

SLO Sales Order  
Message Implementation Guide  
V0.5.1

**SLO**  
2020-05-29

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## Document history

Date	Version	Responsible	Description
23.01.2020	0.0.1	N. Genz	Version 0.0.1 – First Draft
11.02.2020	0.0.2	N. Genz	Miscellaneous Updates
03.03.2020	0.0.3	N. Genz	Inclusion of "Z01" in SG10/TDT/C220/8067
04.03.2020	0.1	N. Genz	TDT code list update in C220/8067; Editing for release version 0.1
09.04.2020	0.2	N. Genz	Addition of SG29/PIA to accommodate for multiple product codes on line level
22.04.2020	0.3	N. Genz	Revision of the LIN & PIA segment to include a detailed explanation on the expected product qualifiers and prioritization thereof
07.05.2020	0.4	N. Genz	Code list update for next version release; Update example of D.17A ORDERS message (see end of this document)
27.05.2020	0.5	N. Genz	Addition of UoM codes in QTY segment
29.05.2020	0.5.1	N. Genz	NAD+IV marked as "optional"; removed example

## General

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

Order changes are not supported.

SLO will confirm sales orders, and it is expected that SLO can confirm order multiple times with the customer. 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

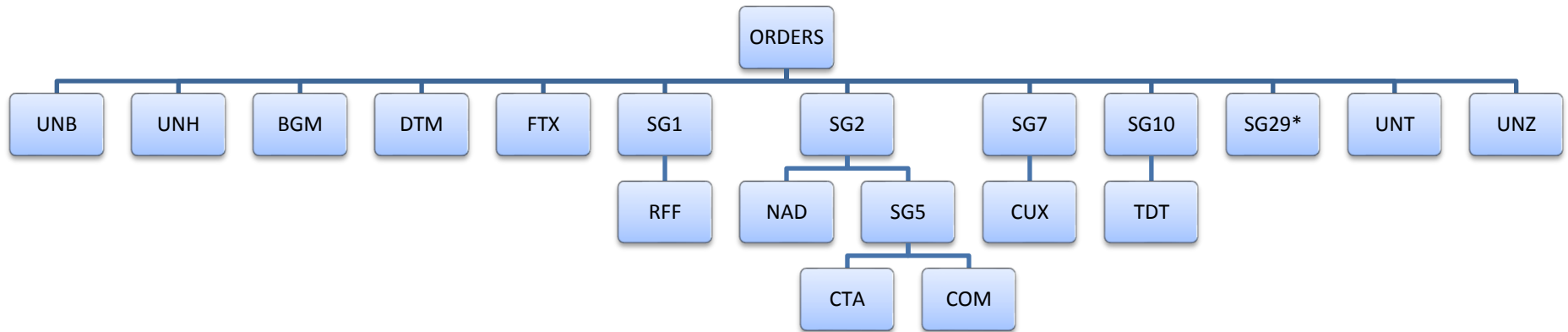
Segment	Edifact identifier of segment
Grp	Owner group if any
Name	Name of the item according to the Edifact standard
Pres	Presence. C = conditional, M = mandatory
Occ	Min occurs..max occurs, 1 means exactly on occurrence
Description	Free form description of the item
Identifier	Edifact identifier of a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

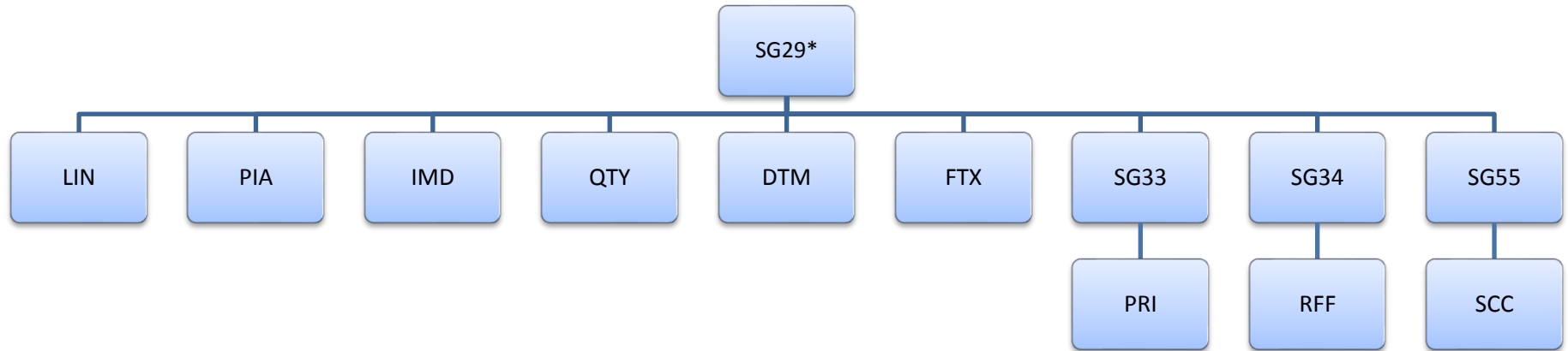
Each used group is presented according to this example:

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+UNOC:3+1234567890123:14+003702137852:30+200210:0931+012345678'



**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	Sequencec 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+1112223334+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	<i>105 = Purchase Order</i>  Document/message issued within an enterprise to initiate the purchase of articles, materials or services required for the production or manufacture of goods to be offered for sale or otherwise supplied to customers.
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	<i>9 = Original</i> Initial transmission related to a given transaction.
<b>4343</b>		RESPONSE TYPE CODE	C	an1..3	

**Example:**  
BGM+105+1112223334+9'

**DTM – Date/time/period**

Segment	Group	Name	Pres	Occ	Description
DTM	-	Date/time/period	M	1..35	To specify date, and/or time, or period.
Identifier	Name		Pres	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>102 = CCYYMMDD</i> Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.Day.

**Example:**

DTM+2:20200321:102'

DTM+4:20200210:102'

**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>DIN = Delivery Instructions</i> [4492] Instructions regarding the delivery of the cargo. <b>Note:</b> Lorry driver instructions for paper waybill.  <i>HAN = Consignment handling instruction</i> Free form description of a set of handling instructions. For example, how specified goods, packages or transport equipment (container) should be handled  <i>GEN = Entire transaction set</i> Note is general in nature, applies to entire transaction segment. <b>Note:</b> SLO does not process information in this field. Text is returned in ORDRSP, DESADV and INVOIC.
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+DIN+1++ Call 1h before delivery 0505682169'

FTX+HAN+1++Cables to reels'

FTX+GEN+1++Bill Accountant: Please call order creator Teemu Suomi (0505682169) when you check this invoice.'

**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 = Customer reference number</i> Reference number assigned by the customer to a transaction.  <i>JB = Job Number</i> Identifies a piece of work.  <i>AEP = Project Number</i> Reference number assigned to a project.  <i>AWE = Cost Centre</i> A number identifying a cost centre.  <i>AAT = Master label number</i> Identifies the master label number of any package type  <i>AAG = Offer Number</i> (1332) Reference number assigned by issuing party to an offer.  <i>CT = Contract Number</i> Reference number of a contract concluded between parties
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+AEP:333444555666:12'

**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 [Mandatory]</i> [3002] Party to which merchandise or services are sold. <i>SE = Seller [Mandatory]</i> [3346] Party selling merchandise or services to a buyer. <i>IV = Invoicee [Optional]</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 ( <i>known as OVT in Finland or EDI ID in general</i> ) or GLN	
1131	Code list identification code	C	an1..17	Code list qualifier  <i>52 = Value added tax identification</i>  <i>100 = Enhanced party identification</i>  <i>167 = Tax Party identification</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	<i>Not used</i>	
3124	Name and address description	C	an1..35		
3124	Name and address description	C	an1..35		
3124	Name and address description	C	an1..35		
3124	Name and address description	C	an1..35		
<b>C080</b>	PARTY NAME	C	-		
3036	Party name	M	an1..70	Party name	
3036	Party name	C	an1..70	Party name2	
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
<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+BY+5790001082253:100++Buyer Test Company Inc+Test Street 123+Test City++01234+FI'

NAD+DP+5790001082253:100++ Delivery Test Company Inc+Test Street 456:**Door number 8**+Test City++01234+FI'

NAD+SE+003702137852:100++SLO Oy:Logistics Center DOORS 24-26+Tuupakantie 23+Vantaa++01740+FI'

**SG5 – CTA-COM**

Grp	Name	Pres	Occ	Content
2	CTA-COM	C	0..5	CTA-COM
<b>Description</b>				
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>IC = Information Contact</i> Department/person to contact for questions regarding transactions.	
<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 at receiver ***Contact person at vendor ***Contact information for the lorry driver to paper waybill (in <b>NAD+DP</b> )	

**Example:**

CTA+IC+8:Risto Recipient'

### COM – Communication Contact

Segment	Grp	Name	Pres	Occ	Description
COM	5	Communication Contact	C	5	A segment to identify a communications type and number for the contact specified in the CTA segment.
Identifier	Name		Pres	Type	Description
<b>C076</b>	COMMUNICATION CONTACT		M	-	
3148	Communication address identifier		M	an1..512	
3155	Communication means type code		M	an1..3	<p>Code specifying the type of communication address.</p> <p><i>EM = Electronic Mail</i> Exchange of mail by electronic means.</p> <p><i>TE = Telephone</i> Voice/data transmission by telephone.</p> <p><b>Note:</b> SLO considers it good practice to provide contact &amp; communication details to lorry driver in the paper waybill. This information pertains to the delivery party (SG2/NAD where 3035 = "DP")</p>

**Example:**

COM+teemu.suomi@customer.fi:EM'

COM+0505682169:TE'

**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	Currencies	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	<i>EUR = Euro</i>
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:EUR: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.				

## TDT – Transport information

Segment	Grp	Name	Pres	Occ	Description
TDT	10	TRANSPORT INFORMATION	M	1	To specify information regarding the transport such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.
Identifier	Name	Pres	Type	Description	
8051	TRANSPORT STAGE CODE QUALIFIER	M	an1..3	Code qualifying a specific stage of transport.  <i>20 = Main-carriage transport</i> The primary stage in the movement of cargo from the point of origin to the intended destination.	
8028	MEANS OF TRANSPORT JOURNEY IDENTIFIER	C	an1..17		
C220	MODE OF TRANSPORT	C			
8067	Transport mode name code	C	an1..3	“Z01” (Wholesale Provider (Primary))  <b>Note:</b> <i>Overnight delivery from logistics center to SLO stores to pick also possible. Store codes from different list.</i>	
8066	Transport mode name	C	an1..17		
C001	TRANSPORT MEANS	C			
8179	Transport means description code	C	an1..8	Code specifying the means of transport.	
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.	
8178	Transport means description	C	an1..17		
C040	CARRIER	C			
3127	Carrier identifier	C	an1..17		
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.	
3126	Carrier name	C	an1..35		
8101	TRANSIT DIRECTION INDICATOR CODE	C	an1..3	Code specifying the direction of transport.	
C401	EXCESS TRANSPORTATION INFORMATION	C			
8457	Excess transportation reason code	M	an1..3	Code specifying the reason for excess transportation.	
8459	Excess transportation responsibility code	M	an1..3	Code specifying the responsibility for excess transportation.	
7130	Customer shipment identifier	C	an1..17		
C222	TRANSPORT IDENTIFICATION	C			
8213	Transport means ID	C	an1..17		
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.	
8212	Transport means identification name	C	an1..70		



8453	Transport means nationality code	C	an1..3	
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**Example:**

TDT+20++5:ZF2++++'

**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.
7143	Item type identification code		C	an1..3	<p>Coded identification of an item type.</p> <p><i>SA = Supplier's Article Number</i> assigned to an article by the supplier of that article (i.e. SLO's SAP primary code).</p> <p><b>Note:</b> While the use of this element is optional in Edifact standards, SLO asks its trading partners to reserve the transmission of item identifier in <b>C212/7140</b> for SLO's supplier code, indicated by the qualifier "SA" in <b>C212/7143</b>.</p> <p>In case trading partner would like to send other item identifiers, such as "EAN", "BP" or "ZZ3", SLO kindly asks the message sender to transmit these values in <b>SG29/PIA</b> segment.</p>
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	

### Example:

LIN+1++100020076:SA'

**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	1 = Additional identification
<b>C212</b>	ITEM NUMBER IDENTIFICATION		M		
7140	Item identifier		C	an1..35	
7143	Item type identification code		C	an1..3	<p>Coded identification of an item type.</p> <p><i>ZZ3 = STK-code (electric number)</i></p> <p><i>EN = International Article Numbering Association (EAN) Number assigned to a manufacturer's product according to the International Article Numbering Association.</i></p> <p><i>BP = Buyer's part number</i> Reference number assigned by the buyer to identify an article.</p> <p><b>Note:</b> SLO expects item codes in <b>SG29/PIA C212/7140</b> other than SLO's supplier code as indicated by the qualifiers above (i.e. "EN", "BP" &amp; "ZZ3"). SLO kindly asks its trading partner to transmit the supplier code in <b>SG29/LIN C212/7140</b> instead and reserve this element for what SLO considers secondary codes. SLO prioritizes the individual product codes in the following order:</p> <ol style="list-style-type: none"> <li>1. Supplier Article Number (SG29/LIN)</li> <li>2. STK-code (SG29/PIA)</li> <li>3. EAN code (SG29/PIA)</li> <li>4. Customer product code (SG29/PIA)</li> </ol>
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	<p><i>91 = Assigned by seller or seller's agent</i> Codes assigned by a seller or seller's agent.</p> <p><i>92 = Assigned by buyer or buyer's agent</i></p>

				Codes assigned by a buyer or buyer's agent.
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**Example:**

PIA+1+1234567:ZZ3::91'

PIA+1+6543218392172:EN::91'

PIA+1+123456:BP::92'

**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	Code specifying the agency responsible for a code list.  <i>91 = Assigned by seller or seller's agent</i> Codes assigned by a seller or seller's agent.  <i>92 = Assigned by buyer or buyer's agent</i> Codes assigned by a buyer or buyer's agent.
<b>C273</b>	ITEM DESCRIPTION		C		
7009	Item description code		C	an1..17	
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
7008	Item Description		C	an1..256	
7008	Item Description 2		C	an1..256	
3453	Language name code		C	an1..3	
7383	SURFACE OR LAYER CODE		C	an1..3	

**Example:**

IMD+F+8::92+4::Test Spare Parts feat. Finnish Sample Data//Suomi'

**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	SLO handles the following unit of measures, in accordance with Recommendation No.20 of UNECE:  <i>BG = Bag</i>  <i>KGM = Kilogram</i>  <i>MTR = Meter</i>  <i>PR = Pair</i>  <i>PK = Pack</i>  <i>RO = Roll</i>  <i>SET = Set</i>  <i>EA = Each</i>

**Example:**

QTY+21:40:MTR'

**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	2 = <i>Delivery date/time, requested</i> (2105) 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	102 = CCYYMMDD Calendar date: C = Century ; Y = Year ; M = Month ; D = Day.

**Example:**

DTM+2:20200321:102'



**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>LIN = Line item</i> Note contains line item information.
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	
4447	FREE TEXT FORMAT CODE		C	an1..3	

**Example:**

FTX+LIN:1++This material is a test free text'

**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 = <i>Calculation net</i> . 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:51.07:::1'

**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	<i>AUA = Place of positioning reference.</i> Identifies the reference pertaining to the place of positioning. To be printed on package label.
1154	Reference Number		C	an1..70	
1156	Line Number		C	an1..6	
1056	Version identifier		C	an1..9	

**Example:**

RFF+AUA:12'

**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	Code specifying a delivery instruction.  <i>BK = Ship partial - balance back order</i> Partial shipping is allowed. The rest of the order should be delivered as soon as possible.
<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+BK'

**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+S'



**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	2 = Number of line items in message Total number of line items in the message.
6066	Control total quantity		M	n1..18	
6411	Measurement unit code		C	an1..8	

**Example:**

CNT+2:1'

**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+32+1112223334'

## 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+774211356'

## Example of the D17A Orders message

UNB+UNOC:3+1234567890123:14+003702137852:30+200210:0931+012345678'  
UNH+1112223334+ORDERS:D:17A:UN+1:F'  
BGM+105+1112223334+9'  
DTM+2:20200321:102'  
DTM+4:20200210:102'  
FTX+DIN+1++ Call 1h before delivery 0505682169'  
FTX+HAN+1++Cables to reels'  
FTX+GEN+1++Bill Accountant: Please call order creator Teemu Suomi (0505682169) when you check this invoice.'  
RFF+AEP:333444555666:12'  
NAD+BY+5790001082253:100++Buyer Test Company Inc+Test Street 123+Test City++01234+FI'  
CTA+IC+8:Teemu Suomi'  
COM+teemu.suomi@test.org:EM'  
NAD+DP+5790001082253:100++ Delivery Test Company Inc+Test Street 456:**Door number 8**+Test City++01234+FI'  
CTA+IC+8:Risto Recipient'  
COM+risto.recipient@customer.fi:EM'  
COM+0505682169:TE'  
NAD+SE+003702137852:100++SLO Oy:Logistics Center DOORS 24-26+Tuupakantie 23+Vantaa++01740+FI'  
CUX+2:EUR:9'  
TDT+20++5:ZF2+++++'  
LIN+1++100020076:SA'  
PIA+1+1234567:ZZ3::91'  
PIA+1+6543218392172:EN::91'  
PIA+1+123456:BP::92'  
IMD+F+8::92+4:::Test Spare Parts feat. Finnish Sample Data//Suomi'  
QTY+21:40:MTR'  
DTM+2:20200321:102'  
FTX+LIN:1++This material is a test free text'  
PRI+AAA:51.07:::1'  
RFF+AUA:12'  
SCC+1+BK'  
UNS+S'  
CNT+2:1'  
UNT+31+1112223334'  
UNZ+1+774211356'