

SLO Sales Order Response
Message Implementation Guide
(Release v1.2.0)

SLO
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Document history

Date	Version	Responsible	Description
04.03.2020	0.0.1	N. Genz	Initial draft
05.03.2020	0.0.2	N. Genz	Further updates
24.04.2020	0.0.3	N. Genz	Further updates throughout the document based on SLO's feedback; Revision of the LIN & PIA segment to include a detailed explanation on the expected product qualifiers
11.05.2020	0.0.3.1	N. Genz	Updates of numerous qualifiers to align with other MIGs
26.05.2020	0.0.4	N. Genz	Addition of the SCC segments and the pertinent QTY & DTM segments for splitting purposes
27.05.2020	1.0.0	N. Genz	Addition of UoM codes in QTY segments; Major Release
19.06.2020	1.0.1	N. Genz	SG32/RFF: Added explanation pertaining to customer vs. supplier line numbers in the ORDRSP
25.06.2020	1.0.2	N. Genz	SG3/NAD: Removing party type invoicee ("IV") from segment & example
08.10.2020	1.1.0	N. Genz	Addition of qualifier <i>GEN</i> in free text segment; SG27/FTX ("Sales Note for Customer")
19.10.2020	1.1.1	N. Genz	Revision of free text qualifiers on header & line level; addition of qualifier AAG in SG27/FTX ("Sales Note for customer") & qualifier XXX ("Sales Note for customer and vendor"), and removal of qualifier <i>GEN</i> on line level
05.11.2020	1.1.2	N. Genz	Sales Note: Swapping the qualifiers for "Sales Note for customer" and "Sales Note for customer and vendor" in the line segment of FTX
01.03.2021	1.1.3	N. Genz	FTX: Harmonization of "sales note for customer" on header and line level;
12.03.2021	1.1.4	N. Genz	Line splitting revision; messages will contain additional quantities & date qualifiers
16.03.2021	1.2.0	N. Genz	Addition of surcharge information on header level: <ul style="list-style-type: none"> - SG19/ALC: Surcharge code - SG22/MOA: Associated monetary amount

General

SLO sales order response message interface is a subset of Edifact D.17A ORDRSP standard. Edifact envelope is used for interchanges.

SLO confirms multiple order confirmation messages. If there are any changes in the ORDERS message, SLO's ERP-system will send a new order confirmation with the updated information.

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	
C507	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	

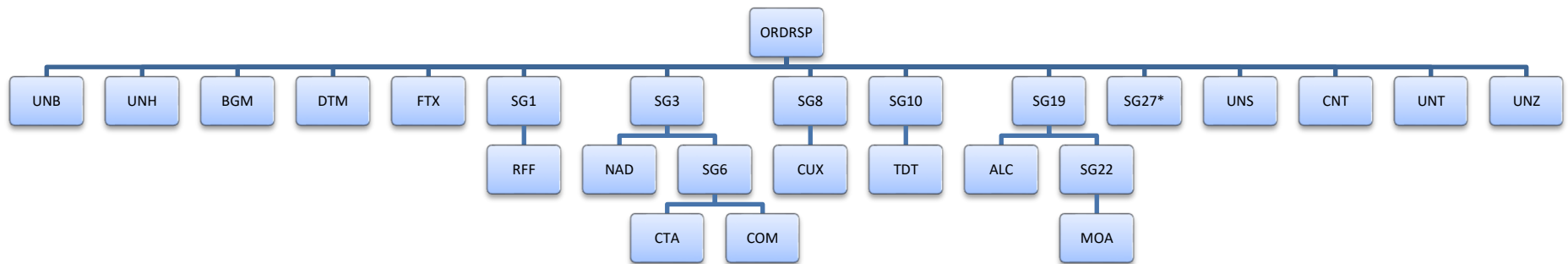
Segment	Edifact identifier of segment
Grp	Owner group if any
Name	Name of the item according to the Edifact standard
Pres	Presence. C = conditional, M = mandatory
Occ	Min occurs..max occurs, 1 means exactly on occurrence
Description	Free form description of the item
Identifier	Edifact identifier of a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

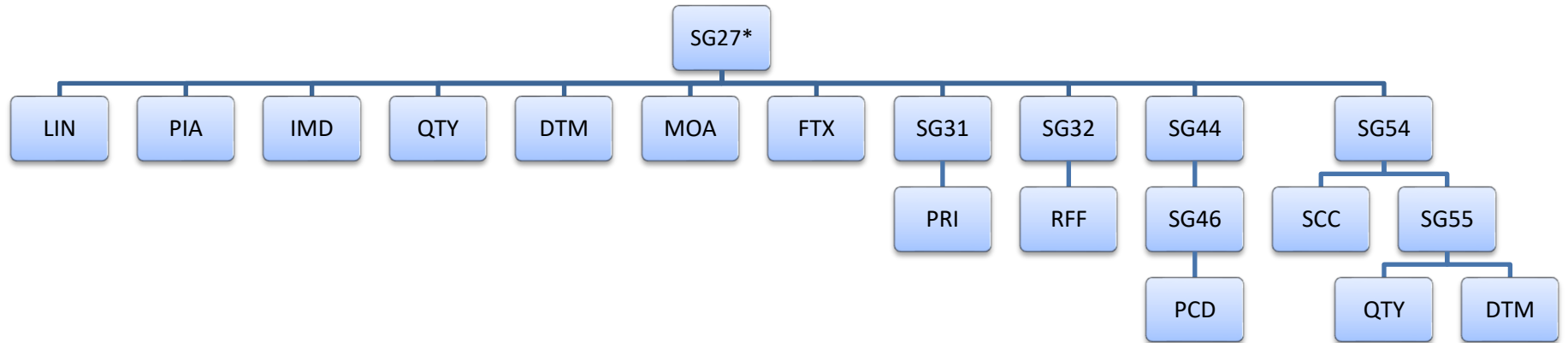
Each used group is presented according to this example:

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
S001		SYNTAX IDENTIFIER	M		
0001		Syntax identifier	M	-	UNOC
0002		Syntax version number	M	a1..1	Version number of the syntax.
S002		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	
S003		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	
S004		DATE AND TIME OF PREPARATION	M		
0017		Date	M	n8..8	Format: <i>YYYYMMDD</i>
0019		Time	M	n4..4	Format: <i>HHMM</i>
0020		INTERCHANGE CONTROL REFERENCE	M	an1..14	
S005		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.
0026		APPLICATION REFERENCE	C	an1..14	
0029		PROCESSING PRIORITY CODE	C	a1..1	Code determined by the sender requesting processing priority for the interchange.
0031		ACKNOWLEDGEMENT REQUEST	C	n1..1	Code requesting acknowledgement for the interchange.
0032		INTERCHANGE AGREEMENT IDENTIFIER	C	an1..35	
0035		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	
S009	MESSAGE IDENTIFIER	M	-		
0065	Message type	M	an1..6	Constant value ORDRSP	
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		
0068	COMMON ACCESS REFERENCE	C	an1..35		
S010	STATUS OF THE TRANSFER	C			
0070	Sequence of transfers	M	n1..2		
0073	First and last transfer	C	a1..1		

Example:

UNH+15751183+ORDRSP:D:17A:UN+:'

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
C002		DOCUMENT/MESSAGE NAME	C		
1001		Document name code	C	an1..3	231= <i>Purchase Order Response</i>
1131		Code list identification code	C	an1..17	
3055		Code list responsible agency code	C	an1..3	
1000		Document name	C	an1..35	
C106		DOCUMENT/MESSAGE IDENTIFICATION	C		
1004		Document identifier	C	an1..70	Order response document number (<i>SLO's Sales Order Number</i>)
1225		MESSAGE FUNCTION CODE	C	an1..3	
4343		RESPONSE TYPE CODE	C	an1..3	

Example:

BGM+231+0000001154'

DTM - Date/time/period

Segment	Grp	Name	Pres	Occ	Description
DTM	-	Date/time/period	M	1..35	To specify date, and/or time, or period.
Identifier	Name		Pres	Type	Description
C507	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>137 = Document issue date time</i> [2007] Date that a document was issued and when appropriate, signed or otherwise authenticated.
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

Example:

DTM+137:20181001:102'

FTX – Free Text

Grp	Name	Pres	Occ	Content
FTX	Free Text	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>GEN = Entire transaction set Sales Note for customer</i>
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.
C107	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	
C108	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+GEN+1++This is a test free text. Insert your header level instructions that you require in WEBSHOP order and return it here'

SG1 – RFF-DTM

Grp	Name	Pres	Occ	Content
1	RFF-DTM	C	0..9999	RFF-DTM
Description				
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
C506		Reference qualifier	M	-	
1153		Reference code qualifier	M	an1..3	<p>Code qualifying a reference.</p> <p><i>CR = Customer reference number</i> Reference number assigned by the customer to a transaction.</p> <p><i>JB = Job Number</i> Identifies a piece of work.</p> <p><i>AEP = Project Number</i> Reference number assigned to a project.</p> <p><i>AWE = Cost Centre</i> A number identifying a cost centre.</p> <p><i>AAT = Master label number</i> Identifies the master label number of any package type</p> <p><i>OP = customer order media</i> Customer Order Media. Provides information with regards to the sales channel on which the order was placed on, such as media, WEBSHOP, APP, PDA, MOB MANUAL and EDI.</p> <p><i>ON = Buyer's Order Number</i> [1022] Identifier assigned by the buyer to an order.</p> <p><i>VN = Vendor's Order Number</i> Reference number assigned by supplier to a buyer's purchase order.</p> <p><i>AAG = Offer number</i> Reference number assigned by issuing party to an offer.</p> <p><i>CT = Contract Number</i> Reference number of a contract concluded between parties.</p>
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+ON:450000001'

Note:

Please note that for orders placed via non-EDI media (e.g. WEBSHOP or APP) it is **important** for the customer to include the customer order number on header level. Also note that SLO's WEBSHOP & APP does not offer the possibility to include a customer line number. This means that these cannot be returned in the ORDRSP message. This concerns all orders which are non-EDI.

There is a possibility to place the mandatory masks in WEBSHOP, APP and PDA. This customer order number field or any other header level reference information field. SLO can put Mode Z=numeric, Z = alphanumeric and ### any other mark. The most common mask is ZZZ####, that means at least three numeric but maximum 8 character long.

SG3 – NAD-LOC-FII-SG4-SG5-SG6

Grp	Name	Pres	Occ	Content
-	NAD-LOC-FII-SG4-SG5-SG6	C	0..99	NAD-LOC-FII-SG4-SG5-SG6
Description				
A group of segments identifying the parties with associated information.				

NAD - Name and address

Segment	Grp	Name	Pres	Occ	Description
NAD	3	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	<p><i>BY = Buyer (mandatory)</i> [3002] Party to which merchandise or services are sold.</p> <p><i>SE = Seller (mandatory)</i> [3006] Party to whom an invoice is issued.</p> <p><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.</p>	
C082	PARTY IDENTIFICATION DETAILS	M	-		
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	<p><i>52 = Value added tax identification</i></p> <p><i>100 = Enhanced party identification (mandatory)</i></p> <p><i>167 = List of taxing authority</i></p>	
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>	
C058	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		
C080	PARTY NAME	M	-		
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.	
C059	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	
3164	CITY NAME	C	an1..35		
C819	COUNTRY SUBDIVISION DETAILS	C	-		

3229	Country subdivision identifier	C	an1..9	
3251	POSTAL IDENTIFICATION CODE	C	an1..17	
3207	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'

SG6 – CTA-COM

Grp	Name	Pres	Occ	Content
3	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	6	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.	
C056	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 NAD+DP)	

Example:

CTA+IC+8:Risto Recipient'

COM – Communication Contact

Segment	Grp	Name	Pres	Occ	Description
COM	6	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
C076	COMMUNICATION CONTACT		M	-	
3148	Communication address identifier		M	an1..512	
3155	Communication means type code		M	an1..3	Code specifying the type of communication address. <i>EM = Electronic Mail</i> Exchange of mail by electronic means. <i>TE = Telephone</i> Voice/data transmission by telephone. Note: SLO considers it good practice to provide contact & communication details to lorry driver in the paper waybill. This information pertains to the delivery party (SG2/NAD where 3035 = "DP")

Example:

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

COM+0505682169:TE'

SG8 – CUX-PCD-DTM

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

CUX – Currencies

Segment	Grp	Name	Pres	Occ	Description
CUX	8	Currencies	M	1	A segment identifying the currencies in the order response, e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.
Identifier		Name	Pres	Type	Description
C504		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	
C504		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	
5402		CURRENCY EXCHANGE RATE	C	n1..12	
6341		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
Description				
A group of segments identifying the mode and means of transport, location and relevant dates and times for transportation, relating to the whole order response.				

TDT – Transport information

Segment	Grp	Name	Pres	Occ	Description
TDT	10	TRANSPORT INFORMATION	M	1	A segment specifying the mode, means and identification of the transport for the goods. If required, the carrier's address should be indicated within the NAD Segment group.
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))
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	

Example:

TDT+20++Z01:ZF2++++'

SG19 – Allowances & Charges

Grp	Name	Pres	Occ	Content
19	ALC-ALI-DTM-SG20-SG21-SG22-SG23-SG24	C	0..99	ALC-ALI-DTM-SG20-SG21-SG22-SG23-SG24
Description				
A group of segments specifying allowances and charges for the whole order response.				

ALC – Allowance or Charge

Segment	Grp	Name	Pres	Occ	Description
ALC	19	Allowance or charge	M	1	A segment identifying the charge or allowance and, where necessary, its calculation sequence
Identifier	Name		Pres	Type	Description
5463	ALLOWANCE OR CHARGE CODE QUALIFIER		M	an1..3	Code qualifying an allowance or charge <i>C = Charge</i> Code specifying a charge
C214	SPECIAL SERVICES IDENTIFICATION		C	-	
7161	Special service description code		C	an1..17	Code specifying a special service <i>SAA = Shipping and handling</i> The service of shipping and handling <i>CAP = Insurance brokerage service</i> Provision of an insurance brokerage service <i>AEL = Small order processing service</i> A service related to the processing of small orders

Example:

ALC+C+++AEL'

SG22 – MOA-RNG

Grp	Name	Pres	Occ	Content
19	MOA-RNG	C	0..2	MOA-RNG
Description				
A group of segments specifying a monetary amount for an allowance or charge				

MOA – Monetary Amount

Segment	Grp	Name	Pres	Occ	Description
MOA	19	Monetary Amount	M	1	A segment identifying monetary amounts for the allowance or charge
Identifier	Name		Pres	Type	Description
C516	MONETARY AMOUNT		M	-	
5025	Monetary amount type code qualifier		M	an1..3	23 = <i>Charge amount</i> [5034] The amount of money charged for the provision of a service or product
5004	Monetary amount		C	an1..35	
6345	Currency identification code		C	an1..3	
6343	Currency type code qualifier		C	an1..3	
4405	Status description code		C	an1..3	

Example:

MOA+23:100.00:9'

SG27 - Lines

Grp	Name	Pres	Occ	Content
	Lines	C	0..200000	LIN-PIA-IMD-MEA-QTY-PCD-ALI-DTM-MOA-GEI-GIN-GIR-QVR-DOC-PAI-MTD-FTX-SG28-SG29-SG30-SG31-SG32-SG33-SG36-SG38-SG39-SG44-SG50-SG52-SG53-SG54-SG56-SG57-SG59
Description				
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	27	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		M	an1..6	Line item number
1229	ACTION CODE		C	an1..3	
C212	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>SA = Supplier's article number</i> Number assigned to an article by the supplier of that article Note: SLO confirms orders, only including the supplier item identifier in SG27/LIN C212/7140 . SLO may transmit additional product codes in SG27/PIA C212/7140 , such as buyer's article number ("BP"), the EAN identifier ("EN") and/or the STK electrical number ("ZZ3").
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
C829	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'

NOTE:

It is possible for the supplier to split quantity for separate delivery dates. The distinct delivery quantities and dates are looped within the scheduling conditions (SG54/SCC) and indicated with the corresponding qualifiers. SLO can therefore make use of multiple delivery dates based on the original order line, so that one order line can be split into several delivery dates *if necessary*.

The example below demonstrates a possible scenario.

Example:

Original **ORDER** message:

LIN+10'
PIA+5+2113526:BP'
QTY+21:2.000:EA'
LIN+20'
PIA+5+2113333:BP'
QTY+21:3.000:EA'

ORDRSP message, including quantity split based on separating delivery dates, indicated within the SCC segment, in bold:

LIN+1++100020076:SA'
PIA+5+2113526:BP'
IMD+F+8::92+4::Test Spare Parts feat. Finnish Sample Data//Suomi'
QTY+21:2.000:EA'
QTY+113:2.000:EA'
DTM+2:20181108:102'
DTM+69:20181108:102'
MOA+389:100:9'
FTX+LIN+++This is a test free text first line item'
PRI+AAA:99.95:::12:+'
RFF+AUA:12'
PCD+1:5'
SCC+4'
QTY+113:2.000:EA'
DTM+2:20181108:102'
DTM+69:20181108:102'

LIN+2++100020077:SA'
PIA+5+2113333:BP'
IMD+F+8::92+4::Test Spare Parts 2 feat. Finnish Sample Data//Suomi'
QTY+21:3.000:EA'
QTY+113:3.000:EA'
DTM+2:20181108:102'
DTM+69:20181120:102'
MOA+389:100:9'
FTX+LIN+++This is a test free text second line item'
PRI+AAA:99.95:::12:+'
RFF+AUA:12'
PCD+1:5'
SCC+4'
QTY+113:2.000:EA'
DTM+2:20181118:102'
DTM+69:20181119:102'
SCC+4'
QTY+113:1.000:EA'
DTM+2:20181118:102'
DTM+69:20181120:102'

PIA – Additional Product ID

Segment	Grp	Name	Pres	Occ	Description
PIA	27	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.
C212	ITEM NUMBER IDENTIFICATION		M	-	
7140	Item number		C	an1..35	
7143	Item number type, coded		M	an1..3	<i>ZZ3 = STK-code (electric number)</i> <i>EN = International Article Numbering Association (EAN)</i> Number assigned to a manufacturer's product according to the International Article Numbering Association. <i>BP = Buyer's part number</i> Reference number assigned by the buyer to identify an article. Note: SLO may transmit the above product codes in SG27/PIA C212/7140 ; however, SLO's main item identifier that SLO confirms is its own product code in SG27/LIN C212/7140 with the qualifier "SA" in SG27/LIN C212/7143 . SLO prioritizes the individual product codes in the following order: 1. Supplier Article Number (SG29/LIN) 2. STK-code (SG29/PIA) 3. EAN code (SG29/PIA) 4. Customer product code (SG29/PIA)
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	

Example:

PIA+5+2113526:BP'

IMD – Item description

Segment	Grp	Name	Pres	Occ	Description
IMD	27	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.
C272	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>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..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	27	QUANTITY	C	0..99	A segment identifying the product quantities e.g. ordered quantity.
Identifier	Name		Pres	Type	Description
C186	QUANTITY DETAILS		M	-	
6063	Quantity type code qualifier		M	an1..3	<p><i>21 = Ordered Quantity</i> [6024] The quantity which has been ordered.</p> <p><i>113 = Quantity to be delivered</i> The quantity to be delivered.</p>
6060	Quantity		M	an1..35	Numeric value of a quantity
6411	Measurement unit code		C	an1..8	<p>SLO handles the following unit of measures, in accordance with Recommendation No.20 of UNECE:</p> <p><i>BG = Bag</i></p> <p><i>KGM = Kilogram</i></p> <p><i>MTR = Meter</i></p> <p><i>PR = Pair</i></p> <p><i>PK = Pack</i></p> <p><i>RO = Roll</i></p> <p><i>SET = Set</i></p> <p><i>EA = Each</i></p>

Example:

QTY+21:100.000:MTR'

DTM - Date/time/period

Segment	Grp	Name	Pres	Occ	Description
DTM	27	Date/time/period	C	0..35	A segment specifying date/time/period details relating to the line item only.
Identifier	Name		Pres	Type	Description
C507	DATE/TIME/PERIOD		M	-	
2005	Date or time or period function code qualifier		M	an1..3	<p>2 = <i>Delivery date/time, requested</i> (2105) Date on which buyer requests goods to be delivered</p> <p>69 = <i>Delivery date time, promised before</i></p> <p>[2139] Date and optionally time by which the merchandise should be delivered to the buyer, as agreed between the seller and the buyer (generic term)</p>
2380	Date or time or period text		C	an1..35	Date
2379	Date or time or period format code		C	an1..3	<p>102 = <i>CCYYMMDD</i></p> <p>Calendar date: C = Century; Y = Year; M = Month; D = Day.</p>

Example:

DTM+69:20181018:102'

MOA – Monetary Amount

Segment	Grp	Name	Pres	Occ	Description
MOA	27	Monetary Amount	C	0..10	A segment specifying any monetary amounts relating to the product, e.g. item amount, insurance value, customs value.
Identifier	Name		Pres	Type	Description
C516	MONETARY AMOUNT		M	-	
5025	Monetary amount type code qualifier		M	an1..3	<i>389 = Amount excluding Value Added Tax (VAT)</i> The monetary amount which excludes the Value Added Tax (VAT).
5004	Monetary amount		C	an1..35	
6345	Currency identification code		C	an1..3	
6343	Currency type code qualifier		C	an1..3	
4405	Status description code		C	an1..3	

Example:

MOA+389:100.00:9'

FTX - Free Text

Segment	Grp	Name	Pres	Occ	Content
FTX	27	FREE TEXT	C	0..99	To provide free form or coded text information.
Identifier	Name		Pres	Type	Description
4451	TEXT SUBJECT CODE QUALIFIER		M	an1..3	<i>LIN = Line item</i> Sales Note for customer <i>AAG = Party Instructions</i> Text for Customer and Vendor
4453	FREE TEXT FUNCTION CODE		C	an1..3	
C107	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	
C108	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+LIN+++This is a test free text. Insert your line level instructions that you require in WEBSHOP order and return it here.'

SG31 – PRI-CUX-APR-RNG-DTM

Grp	Name	Pres	Occ	Content
27	PRI-CUX-APR-RNG-DTM	C	0..25	PRI-CUX-APR-RNG-DTM
Description				
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	31	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
C509	PRICE INFORMATION		C	-	
5125	Price code qualifier		M	an1..3	AAA = Calculation net. The price stated is the net (sales unit) 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:+'

SG32 – RFF-DTM

Grp	Name	Pres	Occ	Content
27	RFF-DTM	C	0.. 9999	RFF-DTM
Description				
A group of segments giving references and where necessary, their dates, relating to the line item.				

RFF – Message reference

Segment	Grp	Name	Pres	Occ	Description
RFF	32	Reference	M	1	To specify a reference.
Identifier		Name	Pres	Type	Description
C506		Reference qualifier	M	-	
1153		Reference code 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. <i>ON = Buyer's Order Number [1022]</i> Identifier assigned by the buyer to an 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+AUA:12'

RFF+ON:580115:1'

Note: The customer original order line number pertinent to a product is transmitted in SG32RFF/C506/1156, whereas SLO's supplier line number is sent in SG27LIN/1082.

SG46 - PCD-RNG

Grp	Name	Pres	Occ	Content
27	PCD-RNG	C	0..1	PCD-RNG
Description				
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
RFF	27	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
C501	PERCENTAGE DETAILS		M	-	
5245	Percentage type code qualifier		M	an1..3	1 = Allowance (5044) Allowance expressed as a percentage.
5482	Percentage		C	an1..10	
5249	Percentage basis identification code		C	an1..3	
1131	Code list identification code		C	an1..17	
3055	Code list responsible agency code		C	an1..3	
4405	STATUS DESCRIPTION CODE		C	an1..3	

Example:

PCD+1:5'

SG54 – SCC-FTX-RFF-SG55

Grp	Name	Pres	Occ	Content
27	SCC-FTX-RFF-SG55	C	0..100	SCC-FTX-RFF-SG55
Description				
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

Segment	Grp	Name	Pres	Occ	Description
SCC	27	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>4 = Planning/Forecast</i> An estimate of future requirements based on trends and actual information.
4493	DELIVERY INSTRUCTION CODE		C	an1..3	
C329	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+4'

SG55 - QTY-DTM

Grp	Name	Pres	Occ	Content
54	QTY-DTM	C	0..10	QTY-DTM
Description				
A group of segments to specify the scheduled quantities, date/time details of the schedule and where required the reference of the schedule.				

QTY - Quantity

Segment	Grp	Name	Pres	Occ	Description
QTY	54	QUANTITY	M	1	A segment to specify pertinent quantities relating to the schedule and pattern established in the SCC segment, e.g. delivery quantity.
Identifier	Name		Pres	Type	Description
C186	QUANTITY DETAILS		M	-	
6063	Quantity type code qualifier		M	an1..3	<i>113 = Quantity to be delivered</i> The quantity to be delivered.
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+113:100.000:MTR'

DTM - Date/time/period

Segment	Grp	Name	Pres	Occ	Description
DTM	54	Date/time/period	C	0..5	A segment indicating the date/time details relating to the quantity and schedule details in the SCC/QTY segments. This segment may be repeated to indicate date/time ranges, e.g. start and end dates for a delivery pattern, or delivery window.
Identifier	Name		Pres	Type	Description
C507	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 69 = <i>Delivery date time, promised before</i> [2139] Date and optionally time by which the merchandise should be delivered to the buyer, as agreed between the seller and the buyer (generic term)
2380	Date or time or period text		C	an1..35	Date
2379	Date or time or period format code		C	an1..3	102 = <i>CCYYMMDD</i> Calendar date: C = Century; Y = Year; M = Month; D = Day.

Example:

DTM+69:20181018:102'

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..1	

Example:

UNS+0081'

CNT – Control total

Segment	Grp	Name	Pres	Occ	Description
CNT	-	Control total	C	0..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+2:447:'

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	The same number as 0062 in UNH

Example:
UNT+16+1'

Example of the D17A Order Response message

UNB++0004+0010+0017:0019'
UNH+15751183+ORDRSP:D:17A:UN+.'
BGM+231+0000001154'
DTM+137:20181001:102'
FTX+GEN+1++This is a test free text. Insert your header level instructions that you require in WEBSHOP order and return it here.'
RFF+ON:450000001'
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'
CTA+IC+8:Risto Recipient'
COM+teemu.suomi@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++Z01:ZF2+++++'
ALC+C+++AEL'
MOA+23:100.00:9'
LIN+1++100020076:SA'
PIA+5+2113526:BP'
IMD+F+8::92+4:::Test Spare Parts feat. Finnish Sample Data//Suomi'
QTY+21:100.000:MTR'
QTY+113:100.000:MTR'
DTM+2:20201018:102'
DTM+69:20181018:102'
MOA+389:100.00:9'
FTX+LIN+++This is a test free text. Insert your line level instructions that you require in WEBSHOP order and return it here.'
PRI+AAA:99.95:::12:+'
RFF+AUA:12'
PCD+1:5'
SCC+4'
QTY+113:100.000:MTR'
DTM+2:20181018:102'
DTM+69:20181018:102'
UNS+0081'
CNT+2:1:'
UNT+26+15751193'