Bunzl Continental Europe
Order message description

MESSAGE TYPE   : ORDER
REFERENCE DIRECTORY   : D.01B
EANCOM® SUBSET VERSION   : 010

Introduction:

1.   **Definition**

A message specifying details for goods or services ordered under conditions agreed between the seller and the buyer.

The Purchase Order message is transmitted by Bunzl (as customer) to its supplier to order goods or services and to specify the relevant quantities, prices, dates and locations of delivery.

2.   **Principles**

The message may refer to an earlier Quotation received from the supplier for the ordered goods or services. The message will refer to the location and product codes exchanged. It is intended to be used for the day-to-day ordering transaction with, as a general rule, one Purchase Order per delivery, per location.

The EANCOM® subset of the UNSM Purchase Order is intended to be used in day to day ordering transactions.

Business practice is that one Purchase Order is placed for one delivery in one location at one time.

The Purchase Order message can be used to send blanket orders followed at a later date by a series of call-offs (both message types can be identified precisely in the BGM segment with the appropriate coded identifier). The blanket order specifies a global product quantity per line item to be ordered over a period of time. The subsequent call-offs referring to the blanket order will request a part of the global quantity with specific delivery dates and locations.

The Purchase Order message can also be used to send rush orders i.e. orders requesting the immediate availability of goods, using the appropriate coded identifier in the BGM segment.

3.   **Points for attention**

3.1. ORDER2CASH PROCESS

Regular process is that one order will lead to one order response, one delivery and one invoice.

In case of split delivery due to e.g. different lead times, availability, one order will lead to one order response (with different delivery dates per line item). As result of the partial deliveries, the order response will lead to multiple deliveries and per delivery one invoice will be sent.

3.2. DROP SHIPPING

In case Bunzl sends an order to the supplier with the request to deliver these goods directly to the final consumer/customer, it is a drop shipment order.

In the ORDERS message, you will receive the name and address information and optional the customer code of the delivery point.

3.3. PRICES

In the order the net price is sent or the gross price with cost price relevant discount (allowance) and/or charge.

3.4. ORDER NUMBER

In the order2cash process the order number is the key between the 4 messages and needs to be present in the order response, 3ispatch advice and invoice.

Version management

Version	Date	Author	Description
1.0	April 2016	Arjan Vonk	Initial version
1.1	11 May 2016	Arjan Vonk	Added CUX and MOA
1.2	26 May 2016	Arjan Vonk	Changes to LIN, MOA and NAD segments.
1.3	18 November 2016	Arjan Vonk	Added FTX on header
1.4	21 December 2016	Arjan Vonk	New lay out
1.5	9 January 2017	Arjan Vonk	Added DTM 200
1.6	3 May 2019	Arjan Vonk Marcel Vaessen	Added NAD+SF Added PRI Added ALC Added FTX
1.7	7 August 2019	Marcel Vaessen	Correction segments, adding message structure
1.8	3 September 2019	Marcel Vaessen	Adding example message
1.9	3 April 2020	Marcel Vaessen	Add CUX SG32 and add exchange rate
1.10	9 June 2020	Arjan Vonk	Add RFF+CT on header and item level
1.11	8 September 2020	Marcel Vaessen	PIA-4347 changed 5 into 1
1.12	29 June 2022	Vera Kálóczy	Introduction
1.13	25 April 2024	Marcel Vaessen	Correction BGM codes

Message structure

UNH	R	1	Order message
BGM	R	1	Order number
DTM	R	1	Message (order) date
DTM	D	1	Delivery date
DTM	D	1	Pick up date
FTX	O	1	Purchasing information
FTX	O	1	Supplier remarks
FTX	O	1	Delivery instructions
SG1	N	1	Blanket order reference (future use)
RFF	M	1	Blanket order number
DTM	O	1	Blanket order date
SG1	D	1	Order reference (buyer)
RFF	M	1	Order number (buyer)
DTM	O	1	Order date
SG2	M	1	Buyer information
NAD	M	1	GLN buyer
SG2	M	1	Supplier information
NAD	M	1	GLN supplier
SG2	M	1	Invoicee information
NAD	M	1	GLN invoicee
SG2	O	1	Source location
NAD	M	1	GLN source location
SG7	M	1	Currency
CUX	M	1	Order/invoice currency
SG28	M	200000	order line information
LIN	M	1	GTIN
PIA	O	1	Buyer's item number
PIA	O	1	Supplier's item number
PIA	N	1	Drawing (future use)
IMD	O	1	Item description
IMD	O	1	Is consumer unit
IMD	O	1	Is despatch unit
IMD	O	1	Is returnable container
IMD	O	1	Is service
IMD	O	1	Is traded unit
IMD	O	1	Is variable quantity product
QTY	O	1	Ordered quantity
MOA	O	1	Customs value
MOA	O	1	Line item amount
MOA	O	1	Total amount including Value Added Tax
FTX	O	1	Purchasing information
SG32	D	2	Price details
PRI	D	1	Gross price
PRI	D	1	Net price
CUX	D	1	Currency and exchange rate

SG33	A	5	References
RFF	M	1	Drawing number (future use)
DTM	O	1	Drawing date/time

SG33	O	5	References
RFF	M	1	Blanket order number
DTM	O	1	Blanket order date/time

SG33	A	5	References
RFF	M	1	Order number (buyer)
DTM	O	1	Order date/time

SG33	O	5	References
RFF	M	1	Order number (supplier)
DTM	O	1	Order date/time

SG43	O	4	Allowances & charges
ALC	M	1	Type of allowance or charge

SG45	D	1	Percentage
PCD	M	1	Percentage of allowance or charge

UNS	M	1	Detail / summary section separator
CNT	M	1	Number of line items in message
UNT	M	1	Message trailer

Segment Layout

Segment number
1

UNH	- M	1 - Message header

Function:

A service segment starting and uniquely identifying a message. The message type code for the Purchase order message is ORDERS.

Note:
Purchase order messages conforming to this document must contain the following data in segment UNH, composite S009:

Data element 0065 ORDERS
    0052 D
    0054 01B
    0051 UN

		EDIFACT	GS1	*	Description
0062	Message reference number	M an..14	M		Sender's unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be exactly the same. Sender generated.
S009	MESSAGE IDENTIFIER	M	M		
0065	Message type	M an..6	M	*	ORDERS = Purchase order message
0052	Message version number	M an..3	M	*	D = Draft version/UN/EDIFACT Directory
0054	Message release number	M an..3	M	*	01B = Release 2001 - B
0051	Controlling agency	M an..2	M	*	UN = UN/CEFACT
0057	Association assigned code	C an..6	R	*	EAN010 = GS1 version control number Indicates that the message is the EANCOM version 010 of the UNSM Purchase Order.
0068	Common access reference	C an..35	N		
S010	STATUS OF THE TRANSFER	C	N		
0070	Sequence of transfers	M n..2			
0073	First and last transfer	C a1			

Segment Notes:

This segment is used to head, identify and specify a message.
DE's 0065, 0052, 0054, and 0051: Indicate that the message is an UNSM Purchase Order based on the D.01B directory under the control of the United Nations.

Example:
UNH+ME000001+ORDERS:D:01B:UN:EAN010'

Segment Layout

Segment number
2

BGM	- M	1 - Beginning of message

Function:

A segment by which the sender must uniquely identify the order by means of its name and number and when necessary its function.

		EDIFACT	GS1	*	Description
C002	DOCUMENT/MESSAGE NAME	C	R		
1001	Document name code	C an..3	R	*	220 = Order 221 = Blanket order 224 = Rush order 225 = Call off order 226 = Consignment order
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	D	*	9 = GS1 This data element must only be used if DE 1001 contains an GS1 Code.
1000	Document name	C an..35	O		
C106	DOCUMENT/MESSAGE IDENTIFICATION	C	R		
1004	Document identifier	C an..35	R		Order Number assigned by document sender.
1056	Version identifier	C an..9	N		
1060	Revision identifier	C an..6	O		
1225	Message function code	C an..3	R	*	5 = Replace 9 = Original The message function, coded is a critical data element in this segment. It applies to all data indicated in the message. The following definitions apply for the restricted codes:
4343	Response type code	C an..3	D	*	AB = Message acknowledgement NA = No acknowledgement needed This DE is used if the order issuer wishes to explicitly indicate whether an acknowledgement is required or not.

Segment Notes:

This segment is used to indicate the type and function of a message and to transmit the identifying number.

Example:
BGM+220+128576+9'

Segment Layout

Segment number

3

DTM	- M	35 - Date/time/period

Function:

A segment specifying general dates and, when relevant, times related to the whole message. The segment must be specified at least once to identify the order date.

		EDIFACT	GS1	*	Description
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	2 = Delivery date/time, requested 63 = Delivery date/time, latest 64 = Delivery date/time, earliest 137 = Document/message date/time 200 = Pick up date
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM

Segment Notes:

This segment is used to specify the date of the Order and, where required, requested dates concerning the delivery of the goods.

DE 2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in an EANCOM message.

Example:
DTM+137:20020830:102'
This example dates the message as the 30th of August 2002.

Segment Layout

Segment number
4

FTX	- C	99 - Free text

Function:

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.

		EDIFACT	GS1	*	Description
4451	Text subject code qualifier	M an..3	**M**		PUR = Purchasing information
					SUR = Supplier remarks
					DIN = Delivery instructions
4453	Free text function code	C an..3	**O**		
C107	TEXT REFERENCE	C	**N**		
4441	Free text value code	M an..17	**O**		
1131	Code list identification code	C an..17	**O**		
3055	Code list responsible agency code	C an..3	**O**		
C108	TEXT LITERAL	C	**M**		
4440	Free text value	M an..512	**M**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
4440	Free text value	C an..512	**O**		
3453	Language name code	C an..3	**O**		ISO 639 two alpha code
4447	Free text format code	C an..3	**N**		

Segment Notes:

This segment is used to provide free form information for the entire purchase order.

Example:
FTX+DIN+++Delivery between 8 am and 5 pm'

Segment Layout

Segment number
5

SG1	- C	9999 - RFF-DTM			
RFF	- M	1 - Reference			

Function:

A segment identifying the reference by its number and where appropriate a line number within a document.

		EDIFACT	GS1	*	Description
C506	REFERENCE	M	**M**		
1153	Reference code qualifier	M an..3	**M**		BO = Blanket order number (future use) ON = Order number (buyer) CT = Contract number
1154	Reference identifier	C an..70	**R**		
1156	Document line identifier	C an..6	**O**		
4000	Reference version identifier	C an..35	**N**		
1060	Revision identifier	C an..6	**N**		

Segment Notes:

This segment is used to specify other references which relate to the transmission, for example, order numbers, blanket order numbers, etc. The references given at this point are valid for the whole order unless superseded by references at line level.

Example:
RFF+ON:652744'
RFF+BO:AUG2002'

Segment Layout

Segment number
6

SG1	- C	9999 - RFF-DTM
DTM	- C	5 - Date/time/period

Function:

A segment specifying the date/time related to the reference.

		EDIFACT	GS1	*	Description
C507	DATE/TIME/PERIOD	M	**M**		
2005	Date or time or period function code qualifier	M an..3	**M**	*	171 = Reference date/time
2380	Date or time or period value	C an..35	**R**		
2379	Date or time or period format code	C an..3	**R**		102 = CCYYMMDD

Segment Notes:

This segment is used to specify dates relating to the references given in the preceding RFF segment.

Example:
DTM+171:20020825:102'

Segment Layout
Segment number
7

SG2	- C	99 - NAD				
NAD	- M	1 - Name and address				

Function:

A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the order. Identification of the seller and buyer parties is mandatory for the order message. It is recommended that where possible only the coded form of the party ID should be specified e.g. The Buyer and Seller are known to each other, thus only the coded ID is required, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

		EDIFACT	GS1	*	Description
3035	Party function code qualifier	M an..3	M		BY = Buyer DP = Delivery party IV = Invoicee SU = Supplier SF = Sourcing party
C082	PARTY IDENTIFICATION DETAILS	C	A		
3039	Party identifier	M an..35	M		GLN -Format n13
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	R	*	9 = GS1 92 = Code assigned by Buyer.
C058	NAME AND ADDRESS	C	O		This composite may only be used to fulfill the requirements of directive 2003/58/EC, article 4.
3124	Name and address description	M an..35	M		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
C080	PARTY NAME	C	D		
3036	Party name	M an..35	M		Party Name in clear text.
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3045	Party name format code	C an..3	O		
C059	STREET	C	D		
3042	Street and number or post office box identifier	M an..35	M		Building Name/Number and Street
3042	Street and number or post office box identifier	C an..35	O		Name and/or P.O. Box.
3042	Street and number or post office box identifier	C an..35	O		

Segment Layout

Segment number

3042	Street and number or post office box identifier	C an..35	O		
3164	City name	C an..35	D		City/Town name, clear text

		EDIFACT	GS1	*	Description
C819	COUNTRY SUB-ENTITY DETAILS	C	D		
3229	Country sub-entity name code	C an..9	O		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	O		
3228	Country sub-entity name	C an..70	O		County/State, clear text.
3251	Postal identification code	C an..17	D		Postal Code
3207	Country name code	C an..3	D		ISO 3166 two alpha code

Segment Notes:

This segment is used to identify the trading partners involved in the Order process. Identification of the buyer and supplier of goods and services is mandatory using DE's 3035 and C082. Additionally, the invoicee party will be specified if different to the buyer.
The delivery address given in NAD at header level is the delivery address for all line items.
Addresses sent in the ORDERS messages are expected back in the ORDRSP, DESADV and INVOIC!

Example:
NAD+BY+5412345000013::9'
NAD+SU+4012345500004::9'
NAD+DP+5412345000013::9'
NAD+SF+4012345500011::9'

Dependency Notes:
The following composites and data elements are only used when a coded name and address can not be used or there is a requirement to furnish the full name and address for the trading party. The affected composites and data elements are as follows:
  C080 - C059 - 3164 - C819 - 3251 - 3207

Segment Layout

Segment number
8

SG7	- C	5 - CUX-DTM				
CUX	- M	1 - Currencies				

Function:

A segment identifying the currencies required in the order e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.

		EDIFACT	GS1	*	Description
C504	CURRENCY DETAILS	C	R		
6347	Currency usage code qualifier	M an..3	M	*	2 = Reference currency
6345	Currency identification code	C an..3	R		ISO 4217 three alpha.
6343	Currency type code qualifier	C an..3	R	*	9 = Order currency
6348	Currency rate value	C n..4	N		
C504	CURRENCY DETAILS	C	D		The second occurrence of this composite is only used if a target currency is being specified.
6347	Currency usage code qualifier	M an..3	M		3 = Target currency
6345	Currency identification code	C an..3	R		ISO 4217 three alpha.
6343	Currency type code qualifier	C an..3	R		4 = Invoicing currency
6348	Currency rate value	C n..4	O		
5402	Currency exchange rate	C n..12	D		The rate of exchange is only used if a target currency has been identified in the second occurrence of C504.

Segment Notes:

This segment is used to specify currency information for the complete order.
The CUX segment is mandatory for international exchanges.

Example:
CUX+2:EUR:9+3:USD:4+0.90243'

Segment Layout

Segment number

9

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45			
LIN	- M	1 - Line item			

Function:

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.

		EDIFACT	GS1	*	Description
1082	Line item identifier	C an..6	R		Application generated number of the count of the order lines.
1229	Action request/notification description code	C an..3	N		
C212	ITEM NUMBER IDENTIFICATION	C	D		This composite will only be used for the identification of GS1 codes. If another coding structure is required, e.g. HIBC, then this composite will not be used and the code will be detailed in the PIA segment.
7140	Item identifier	C an..35	R		Format n..14 GTIN - this is the number of the article being ordered.
7143	Item type identification code	C an..3	R	*	SRV = GS1 Global Trade Item Number IN = Buyer's item number
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
C829	SUB-LINE INFORMATION	C	D		
5495	Sub-line indicator code	C an..3	R		
1082	Line item identifier	C an..6	R		
1222	Configuration level number	C n..2	N		
7083	Configuration operation code	C an..3	N		

Segment Notes:

This segment is used to identify the item being ordered.

If Global Trade Item Numbers are available it is mandatory to use GTIN within the LIN segment.

The detail section of the Purchase Order is formed by a repeating group of segments, always starting with the LIN segment.

C829 is not used

Example:
LIN+1++5412345111115:SRV'

Segment Layout

Segment number

10

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45
PIA	- C	25 - Additional product id

Function:

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.

		EDIFACT	GS1	*	Description
4347	Product identifier code qualifier	M an..3	**M**	*	1 - Additional Identification - To provide an additional identity for the product identified in the LIN segment. The additional identification can consist of : A supplemental identification which provides more information complementary to the main trade item number provided in the LIN segment, e.g., a batch number, promotional variant number, product group number, etc. An alternative identification which may be used where no main trade item number has been provided in the LIN segment, e.g., a buyers article number, an HIBC code, etc.
C212	ITEM NUMBER IDENTIFICATION	M	**M**		
7140	Item identifier	C an..35	**R**		
7143	Item type identification code	C an..3	**R**		DW = Drawing (future use) IN = Buyer's item number SA = Supplier's article number
3055	Code list responsible agency code	C an..3	**D**		91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent

Segment Notes:

This segment is used to specify additional or substitutional item identification codes such as a buyer's, or seller's item number.

Examples:

PIA+1+ABC1234:IN'

In this example the PIA segment is used to provide a Buyers item number to identify the item.

Segment Layout

Segment number
11

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45
IMD	- C	99 - Item description

Function:

A segment for describing the product or service being invoiced 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.

		EDIFACT	GS1	*	Description
7077	Description format code	C an..3	O	*	A = Free-form long description B = Code and text C = Code (from industry code list) E = Free-form short description F = Free-form S = Structured (from industry code list)
C272	ITEM CHARACTERISTIC	C	O		
7081	Item characteristic code	C an..3	R		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D	*	9 = GS1 Must be used if DE7081 contains an GS1 code.
C273	ITEM DESCRIPTION	C	A		
7009	Item description code	C an..17	O		CU = Consumer unit (GS1 Permanent Code) DU = Despatch unit (GS1 Permanent Code) RC = Returnable container (GS1 Permanent Code) SER = Service (GS1 Permanent Code) TU = Traded unit (GS1 Permanent Code) VQ = Variable quantity product (GS1 Permanent Code)
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		9 = GS1 91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent
7008	Item description	C an..256	O		
7008	Item description	C an..256	O		
3453	Language name code	C an..3	O		
7383	Surface or layer code	C an..3	N		

Segment Layout
Segment number

Segment Notes:

This segment is used to provide a description for the current line item.

Example:
IMD+F++:::CORN CRUNCHIES:CASE'

Segment Layout

Segment number

12

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45

QTY	- C	99 - Quantity

Function:

A segment identifying the product quantities e.g. ordered quantity.

		EDIFACT	GS1	*	Description
C186	QUANTITY DETAILS	M	**M**		
6063	Quantity type code qualifier	M an..3	**M**	*	21 = Ordered quantity
6060	Quantity	M an..35	**M**		
6411	Measurement unit code	C an..3	**D**		KGM = kilogram PND = Pound This DE is only used if the product ordered is a variable quantity product.

Segment Notes:

This segment is used to specify the total quantity ordered for the current line identified in the LIN segment. If split deliveries are being used, the quantities for the split delivery are specified in segment group 37. The totals for all quantities expressed in the QTY's at segment group level must equal the value in this QTY segment. DE 6063:

Example:
QTY+21:48:KGM'

Segment Layout

Segment number

13

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45

MOA	- O	10 - Monetary amount

Function:

A segment specifying any monetary amounts relating to the product e.g. item amount, insurance value, customs value.

		EDIFACT	GS1	*	Description
C516	MONETARY AMOUNT	M	**M**		
5025	Monetary amount type code qualifier	M an..3	**M**		40 = Customs value 203 = Line item amount 388 = Total amount including Value Added Tax (VAT)
5004	Monetary amount	C n..35	**R**		
6345	Currency identification code	C an..3	**N**		
6343	Currency type code qualifier	C an..3	**N**		
4405	Status description code	C an..3	**N**		

Segment Notes:

This segment is used for two purposes, firstly, when allowances/charges are involved, to indicate net amounts for the line, and secondly, to provide valuation amounts, e.g., customs value. It depends on the contract if this value should be used for invoicing.

Example:
MOA+203:1253.42'

Segment Layout

Segment number

14

SG28		- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45			
FTX		- C	99 - Free text			

Function:

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.

		EDIFACT	GS1	*	Description
4451	Text subject code qualifier	M an..3	M		PUR = Purchasing information
4453	Free text function code	C an..3	O		1 = Text for subsequent use
C107	TEXT REFERENCE	C	N		
4441	Free text value code	M an..17	O		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	O		
C108	TEXT LITERAL	C	M		
4440	Free text value	M an..512	M		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
3453	Language name code	C an..3	O		ISO 639 two alpha code
4447	Free text format code	C an..3	N		

Segment Notes:

This segment is used to provide free form information for the line item, specific in case of adaption of clothing or other goods.

Example:

FTX+PUR+1++LOGO PRINTED AT THE BACK'

Segment Layout

Segment number

15

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45
SG32	- C	25 - PRI - CUX
PRI	- M	1 - Price details

Function:

A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'Price'. Indication of "net price" or "gross price" can be given in 5387 "Price specification code".

		EDIFACT	GS1	*	Description
C509	PRICE INFORMATION	C	**R**		
5125	Price code qualifier	M an..3	**M**		AAA = Calculation net AAB = Calculation gross
5118	Price amount	C n..15	**R**		
5375	Price type code	C an..3	**O**		CA = Catalogue CT = Contract
5387	Price specification code	C an..3	**O**		
5284	Unit price basis value	C n..9	**D**		
6411	Measurement unit code	C an..3	**D**		KGM = kilogram
5213	Sub-line item price change operation code	C an..3	**N**		

Segment Notes:

This segment is used to specify price information for the current line item.

Example:

PRI+AAA:14.50:CA'

Net price of 14.50 (excluding tax) to be used for calculation purposes. This price includes all allowances and charges. The price is a catalogue price.

PRI+AAB:25:CT'

Gross calculation price of 25 (excluding tax) which does not include any allowances or charges.

Segment Layout

Segment number

16

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45
SG32	- C	25 - PRI - CUX
CUX	- M	1 - Currency details

Function:

A segment identifying the currencies required in the order e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.

		EDIFACT	GS1	*	Description
C504	CURRENCY DETAILS	C	R		
6347	Currency usage code qualifier	M an..3	M	*	2 = Reference currency
6345	Currency identification code	C an..3	R		ISO 4217 three alpha.
6343	Currency type code qualifier	C an..3	R	*	9 = Order currency
6348	Currency rate value	C n..4	N		
C504	CURRENCY DETAILS	C	D		The second occurrence of this composite is only used if a target currency is being specified.
6347	Currency usage code qualifier	M an..3	M		3 = Target currency
6345	Currency identification code	C an..3	R		ISO 4217 three alpha.
6343	Currency type code qualifier	C an..3	R		4 = Invoicing currency
6348	Currency rate value	C n..4	O		
5402	Currency exchange rate	C n..12	D		The rate of exchange is only used if a target currency has been identified in the second occurrence of C504.

Segment Notes:

This segment is used to specify currency information for the complete order.
The CUX segment is mandatory for international exchanges.

Example:
CUX+2:EUR:9+3:USD:4+0.90243'

Segment Layout

Segment number
                17

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45
SG33	- C	9999 - RFF-DTM
RFF	- M	1 - Reference

Function:

A segment identifying the reference by its number and where appropriate a line number within a document.

		EDIFACT	GS1	*	Description
C506	REFERENCE	M	**M**		
1153	Reference code qualifier	M an..3	**M**		AAL = Drawing number (future use) BO = Blanket order number ON = Order number (buyer) VN = Order number (supplier) CT = Contract number
1154	Reference identifier	C an..70	**R**		
1156	Document line identifier	C an..6	**O**		
4000	Reference version identifier	C an..35	**N**		
1060	Revision identifier	C an..6	**N**		

Segment Notes:

This segment is used to identify references associated with the line item. This information may override what is specified in the heading section when the same qualifier is used. This segment may also be used to allocate a unique reference number to this line item in this order.

Example:
RFF+PL:AUG93RNG04:7'
Reference to the 7th line item (LIN segment) of PRICAT message 'AUG93RNG04'.

Segment Layout

Segment number

18

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45
SG33	- C	9999 - RFF-DTM
DTM	- C	5 - Date/time/period

Function:

A segment specifying the date/time related to the reference.

		EDIFACT	GS1	*	Description
C507	DATE/TIME/PERIOD	M	**M**		
2005	Date or time or period function code qualifier	M an..3	**M**	*	171 = Reference date/time
2380	Date or time or period value	C an..35	**R**		
2379	Date or time or period format code	C an..3	**R**		102 = CCYYMMDD 203 = CCYYMMDDHHMM

Segment Notes:

This segment is used to specify dates and times associated with the preceding RFF segment.

Example:
DTM+171:20020801:102'

Segment Layout

Segment number

19

SG28	- C	200000 - LIN-PIA-IMD-QTY-MOA-SG32-SG33-SG43-SG45

SG43	- C	30 - ALC-SG45
ALC	- M	1 - Allowance or charge

Function:

A segment identifying the charge or allowance and, where necessary its calculation sequence.

		EDIFACT	GS1	*	Description
5463	Allowance or charge code qualifier	M an..3	**M**		A = Allowance C = Charge
C552	ALLOWANCE/CHARGE INFORMATION	C	**O**		
1230	Allowance or charge identifier	C an..35	**D**		If code '69' is used in DE 5189, the agreement number must be specified in DE 1230.
5189	Allowance or charge identification code	C an..3	**O**		69 = Charge for a customer specific finish
4471	Settlement means code	C an..3	**O**		2 = Off invoice 5 = Charge to be paid by vendor 6 = Charge to be paid by customer
1227	Calculation sequence code	C an..3	**D**		1 = First step of calculation 2 = Second step of calculation etc, etc, etc, 9 = Ninth step of calculation The calculation sequence indicator is used when multiple allowances and/or charges are applicable. If various allowances and/or charges percentages, quantities, monetary amounts, or, rates are applicable to the same base price, then the calculation sequence indicator will always equal one. If the various allowances and/or charges are applied against a fluctuating price (constantly changing because of the application of other allowances and/or charges) then the sequence of calculation is indicated using this data element. If the allowance or charge is not to be applied against a fixed price then the calculation sequence indicator must be included.

Segment Layout

Segment number

C214	SPECIAL SERVICES IDENTIFICATION	C	D	This composite is only included if the buyer knows the type of allowance or charge and is agreed between trading partners in their interchange agreement.
7161	Special service description code	C an..3	R	RAA = Rebate SF = Special Rebate RAE = Resellers discount DI = Discount VOC = Charge Organic Chemicals (Switzerland only)
1131	Code list identification code	C an..17	O	
3055	Code list responsible agency code	C an..3	D	9 = GS1 Code value 9 is used when GS1 codes are used in DE 7161.
7160	Special service description	C an..35	O	
7160	Special service description	C an..35	O	

Segment Notes:

This segment is used to specify any allowances or charges which apply only to the line item being invoiced.

Example:
ALC+A+++1'

Segment Layout

Segment number
20

SG28	- C	9999999 - LIN-QTY-DTM-SG27-SG29-SG30-SG43-SG45
SG43	- C	30 - ALC-SG45
SG45	- M	1 - PCD
PCD	- M	1 -Percentage details

Function:

A segment identifying the percentage and the percentage basis for the calculation of the allowance or charge.

		EDIFACT	GS1	*	Description
C501	PERCENTAGE DETAILS	M	M		
5245	Percentage type code qualifier	M an..3	M		1 = Allowance 2 = Charge
5482	Percentage	C n..10	R		
5249	Percentage basis identification code	C an..3	O		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
4405	Status description code	C an..3	N		

Segment Notes:

This segment is used to specify percentage discounts or charges for the line item being invoiced. Should be used if a charge or discount is based on a percentage.

Example:
PCD+1:0.75'

Segment Layout

Segment number

21

UNS	- M	1 - Section control				
Function:						
A service segment placed at the start of the summary section to avoid segment collision.						
			EDIFACT	GS1	*	Description
0081	Section identification		M a1	**M**	*	S = Detail/summary section separation
Segment Notes:						
This segment is used to separate the detail and summary sections of the message. Example: UNS+S'						

Segment Layout

Segment number
22

CNT	- C	10 - Control total			
Function:					
A segment by which control totals may be provided by the sender for checking by the receiver.					
	EDIFACT	GS1	*	Description	
C270CONTROL	M	**M**			
6069 Control total type code qualifier	M an..3	**M**	*	2 = Number of line items in message	
6066 Control total value	M n..18	**M**			
6411 Measurement unit code	C an..3	**O**			
Segment Notes:					
This segment is used to provide message control totals. Example: CNT+2:4' There are four LIN segments in the current message.					

Segment Layout

Segment number
23

UNT	- M	1 - Message trailer			
Function:					
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.					
		EDIFACT	GS1	*	Description
0074	Number of segments in the message	M n..6	**M**		The total number of segments in the message is detailed here.
0062	Message reference number	M an..14	**M**		The message reference number detailed here should equal the one specified in the UNH segment.
Segment Notes:					
This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message. Example: UNT+112+ME000001'					

Example

```
UNA:+.? '
UNB+UNOC:3+1111111111116:14+2222222222222:14+190902:1234+1++ORDERS'
UNH+1+ORDERS:D:01B:UN:EAN010'
BGM+220+PO0000001+9+AC'
DTM+137:20190902:102'
DTM+2:20190905:102'
RFF+ON:PO0000001'
DTM+171:20190902:102'
NAD+BY+1111111111116::9'
NAD+SU+2222222222222::9'
NAD+DP+1111111111116::9'
CUX+2:EUR:9+3:USD:4+0.90243'
LIN+1++1000000000009:SRV'
PIA+5+000001:SA::91'
QTY+21:1.00'
MOA+203:57.06'
PRI+AAB:126.8'
CUX+2:EUR:9+3:USD:4+0.90243'
ALC+A++++DI'
PCD+1:55'
LIN+2++1000000000016:SRV'
PIA+5+000002:SA::91'
QTY+21:40.00'
MOA+203:431.2'
PRI+AAB:19.6'
CUX+2:EUR:9+3:USD:4+0.90243'
ALC+A++++DI'
PCD+1:45'
LIN+3++1000000000023:SRV'
PIA+5+000003:SA::91'
QTY+21:1.00'
MOA+203:35.00'
PRI+AAA:35.00'
CUX+2:EUR:9+3:USD:4+0.90243'
UNS+S'
CNT+2:3'
UNT+35+1'
UNZ+1+1'
```