



Implementation Guideline

STARK Deutschland GmbH

ORDERS D96.A based on EANCOM

Message structure for the subsets

UNA **K 1** **Separator Default**

In the UNA Segment the separators, the decimal markers and the release indicator are defined. This segment is only defined once and is thus applicable for the following messages until cancelled. It will therefore not be transmitted any further.

If required, value :“:+.?”

: separates data elements in a data element group

+ separates segment identifier, data element group and data elements

. decimal marker (point)

? release character, gives the original meaning back to the sign following the release character

blank, reserved for applications performed at a later stage

UNB	M	1	User data header
S001	M		SYNTAX IDENTIFIER
0001	M	a4	Syntax Identification <i>Constant value:</i> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <i>„UNOC“ UN/ECE Character set C As defined in ISO 8859-1: Information processing - Part 1: Latin Alphabet No. 1.</i> </div>
0002	M	n1	Syntax-Version number <i>Constant value:</i> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <i>„3“ EDIFACT-Syntax Version 3</i> </div>
S002	M		INTERCHANGE SENDER
0004	M	an..35	Interchange sender identification <i>GLN of the sender of the message.</i>
0007	M	an..4	Participant Identification, Qualifier <i>Data element in which a unique specification of the participants will be given.</i> <i>Constant value:</i> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <i>„14“ EAN-International</i> </div>
S003	M		INTERCHANGE RECIPIENT
0010	M	an..35	Interchange recipient identification <i>GLN of the recipient of the message. (GLN of the SGBDD- head office)</i> <i>Constant value:</i> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <i>„4260007750001“ SGBDD head office</i> </div>
0007	M	an..4	Participant Identification, Qualifier <i>Data element which gives a unique specification for the participants.</i> <i>Constant value:</i> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <i>„14“ EAN-International</i> </div>

S004	M	DATE/TIME OF PREPARATION		
0017	M n6	Date of preparation <i>Local date of preparation of the message by the sender in the format "YYMMDD" (This format is prescribed in accordance with the EDIFACT- Application Guideline for service segments).</i>		
0019	M n4	Time of preparation <i>Format: HHMM</i>		
0020	M AN..14	INTERCHANGE CONTROL REFERENCE <i>Unique reference to identify the interchange; assigned by the sender.</i>		
0026		<i>NOT USED</i>		
0029		<i>NOT USED.</i>		
0031		<i>NOT USED.</i>		
0032		<i>NOT USED.</i>		
0035	K	TEST INDICATOR <i>Constant value:</i> <table border="1" data-bbox="485 1323 1449 1359"> <tr> <td><i>„1“</i></td> <td><i>Test transmission</i></td> </tr> </table>	<i>„1“</i>	<i>Test transmission</i>
<i>„1“</i>	<i>Test transmission</i>			

example:

UNB+UNOC:3+4260007750001:14+1234567890123:14+140122:1613+1962+1

UNH M 1 Message Header

0062 M AN..14 MESSAGE REFERENCE NUMBER

S009 M MESSAGE IDENTIFIER

0065 M an..6 Message Type Identification
constant value:

„ORDERS“ Order

0052 M an..3 Message Type Version Number
constant value:

„D“

0054 M an..3 Message Type Release Number
constant value:

„96A“

0051 M an..2 Controlling agency, coded
constant value:

„UN“

0057 K an..6 Association Assigned Code
constant value:

„EAN008“

Note:

In every interchange each message is consecutively and without interruption numbered in ascending order starting with “1”.

example:

UNH+1+ORDERS:D:96A:UN:EAN008

BGM M 1 Beginning of the message

C002 M DOCUMENT-/MESSAGE NAME

1001 M an..3 Document-/ Message name, coded
constant value:

„220“ Order

1004 M AN..35 DOCUMENT-/MESSAGE NUMBER
Order number allocated by the sender

1225 M AN..3 MESSAGE FUNCTION CODED.
constant value:

„9“ Original

example:

BGM+220+295-00701095-94143+9

DTM M 2 Date/Time-/Period data

C507 M DATE-/TIME-/PERIOD DATA

2005 M an..3 Date-/Time-/Period data, Qualifier
The following codes are available

„2“	<i>requested date of delivery</i>
„64“	<i>earliest date of delivery</i>
„63“	<i>latest date of delivery</i>
„137“	<i>date of order</i>
„200“	<i>date of pick-up</i>

2380 M an..35 Date-/Time-/Period data
Document date or date of delivery.
Date, formatted as indicated in data element 2379.

2379 M an..3 Date-/Time-/Period data, Format, Qualifier
The following codes are available:

„102“	YYYYMMDD
„203“	YYYYMMDDHHMM
„718“	YYYYMMDD-YYYYMMDD
„719“	YYYYMMDDHHMMYYYYMMDDHHMM

Notes:

*If a time is transferred by SGBDD it **has to be** treated by the recipient.*

example:

DTM+137:20140122:102

DTM+2:20140124:102

FTX K 2 Free Text
In this free text form any remittance information that is relevant for the entire invoice is transmitted.

4451 M AN..3 TEXT ALLOCATION, CODED
constant value:

„PUR“	Purchase information
„SUR“	Supplier remarks

4453 NOT USED.

C107 NOT USED.

C108 M TEXT

4440 M an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

4440 K an..70 Free text

note:

In this free text form, a maximum of 350 signs (5 x 70 signs) can be transmitted.

*If at the description field is transferred by SGBDD it **has to be** treated by the recipient.*

*If the “split” flag is handed over from SGBDD in FTX+SUR. The **not** EDI compatible positions of the order will be transferred via e-mail or telefax.*

example:

FTX+PUR++++ stock order: Please send with BST XY NL 643 Frankfurt and BST XY for NL 041 Lohr,;to the store in Frankfurt. Thank you.

FTX+PUR+++Warenannahme?:Montag - Donnerstag:09?:00 - 15?:00 Uhr:Freitag:09?:00 - 12?:00 Uhr '

FTX+SUR+++split

DTM M 2 Date/time/period details

C507 M DATE/TIME/PERIOD DETAILS

2005 M an.. 3 Date/time/period details, Qualifier
The following codes are available:

„137“ date of reference

2380 K an.. 35 Date/time/period details

2379 K an.. 3 Date/time/period details, format, Qualifier
The following codes are available:

„102“ YYYYMMDD

Segment group 1 End

Segmentgroup 2

M 4

NAD M 1 Name and Address
The NAD Segment is used to identify the trading partner involved in the order process.

3035 M an..3 PARTICIPANT, QUALIFIER
The following codes are available:

„BY“	buyer (SGBDD- subsidiary)
„SU“	supplier
„DP“	delivery address differing from buyers address

C082 K PARTICIPANT IDENTIFICATION DETAILS

3039 M an.. 17 Trading partner identification number, coded

Dependant on the qualifier indicated above, the trading partner 1 identification number is indicated here.

GLN = International Location Number

1131 NOT USED

3055 K an.. 3 Responsible organisation, codiert

constant value:

„9“	EAN
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C058 NOT USED

C080 K NAME OF PARTICIPANT

3036 M an.. 35 Name of participant
Name of trading partner in plain language text

3036 K an.. 35 Name of participant
Name of trading partner in plain language text

C059	K		STREET NAME OF THE PARTICIPANT
3042	M	an.. 35	Street and house number/P.O. box <i>Department address or stock address</i> <i>Name and number of the building and Street name or P.O.box</i>
3164	K	an.. 35	TOWN <i>Town/City name, in plain language text</i>
3229			<i>NOT USED</i>
3251	K	an..9	POSTCODE <i>Postcode</i>
3207	K	an..3	LAND, CODED <i>department- or stock address</i>

Notes:

For the buyer (BY), supplier (SU) and the delivery address (DP) the transmission of the GLN is sufficient. If no GLN is available, the data elements 3036 (name), 3042 (street), 3164 (city) and 3251 (postcode) have to be used for the transmission of the entire address.

example:

NAD+BY+4260007752951::9++SGBD DEUTSCHLAND GMBH:STOCK
KERAMUNDO+MAYFARTHSTRAÙE 14+FRANKFURT/MAIN++60314

NAD+SU+1234567890123::9++++++58453+DE

NAD+DP+4260007752951::9

SEGMENTGROUP 3 K 3

RFF M 1 Reference

This segment is used to specify reference numbers relating to the trading parties identified in the previous NAD-segment.

C506 M REFERENCE

1153 M an..3 Reference, Qualifier
constant value:

„IT“	internal customer number (SGBDD customer)
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1154 K an..35 Reference number

Reference number, relating to the qualifier chosen in data element 1153.

Segmentgroup 3 end

example:

RFF+IT:701095

Description:

The RFF+IT would be only used when the order it is a direct delivering.

Supplier can use the unique customer number to create an unambiguous link to his own customer master data.

For example, special conditions can be mapped by assigning the reference.

Segmentgroup 5 K 1

CTA M 1 **Communication partner**
This segment is used to identify a communication contact within the business/company specified in the previous NAD-segment.

3139 K an..3 **Function of the contact person**
constant value:

„PD“	<i>Purchasing contact</i>
„OC“	<i>order contact</i>

C056 K **DEPARTMENT'S OR EMPLOYEE'S DETAILS**

3413 K an.. 17 **Department or employee, Identification**
Name of the employee

3412 K an..35 **Department or employee**
Name of the employee

example:

CTA+PD+:Peter Müller

CTA+OC+:Mustermann, Max (Fax: -834)

COM K 2 Communication contact

C076 M COMMUNICATIONCONTACT

3148 M an..55 Communication number

3155 M an..3 Communication channel/-service, Qualifier

The following codes are available:

„FX“	Telefax
„TE“	Telephone
„EM“	Electronic Mail

Segmentgroup 5 end

Segmentgroup 2 end

example:

COM+06940505-123:TE

COM+069 40505123:FX

COM+Max.Mustermann@saint-gobain.com:EM

Segmentgroup 7 K 1

This segmentgroup contains the CUX-segment for the transmission of a reference currency for the entire receipt.

CUX M 1 Currency details

C504 K CURRENCY DETAILS

6347 M an..3 Currency details , Qualifier
constant value:

„2“	<i>Reference currency</i>
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6345 K an..3 Currency, coded

„EUR“	<i>Euro</i>
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6343 K an..3 Currency, Qualifier
constant value:

„9“	<i>Currency of the order</i>
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Segmentgroup 7 end

example:

CUX+2:EUR:9

Segmentgroup 11 **K 1**

TOD M 1 Terms of delivery
In the TOD-segment the designated terms of delivery for the entire receipt are transmitted.

4055 K an..3 TERMS OF DELIVERY FUNCTION, CODED
The following codes are available:

„4“	Pick-up by the customer
„10E“	supply by deliverer

Segmentgroup 11 **end**

example:

TOD+10E

Segmentgroup 25 **K 9999****LIN** M 1 Line Item

This segment identifies the items ordered. The item detail section of the order by a repeating group of segments, always starting with a LIN segment.

1082 K n..6 LINE ITEM NUMBER

Serial line item assigned by the sender.

1229 *NOT USED***C212** K ITEM NUMBER IDENTIFICATION**7140** K an..35 Item/Service number**7143** K an..3 Item/Service number, coded
constant value:

„EN“ <i>International Article Numbering Association</i>

example:

LIN+1++4260007753851:EN

PIA K 10 Additional product information
In the PIA-segment additional information relation to the article can be transmitted.

4347 M an..3 PRODUCT IDENTIFICATION FUNCTION, CODED
The following codes are available:

„1“ Additional identification

C212 K ITEM-/SERVIVE NUMBER, IDENTIFICATION

7140 K an..35 Item-/Service number

7143 K an..3 Item-/Service number, coded

The following codes are available:

„BP“ Buyers item number
 „NB“ Charge number
 „SA“ Suppliers article number

Notes:

SGBDD provides a GTIN or a producer article number.

If available both numbers are transmitted.

example:

PIA+1+504025122:SA

PIA+1+114422:BP

IMD K 999 Item-/Service description

This segment is used to describe the actual item. The maximum repetition rate of the segment is 10.

7077 K an..3 ITEM-/SERVICE DESCRIPTION TYPE, CODED

constant value:

„F“ Free form

7081 K *not used*

C273 K ITEM-/SERVICE DESCRIPTION

7009 K *not used*

1131 K *not used*

3055 K *not used*

7008 K an..35 Item-/Service description 1
Item description 1 (1-35)

7008 K an..35 Item-/Service description 2
Item description 2 (36-70)

Note:

In the IMD segment the article description sent by SGBDD is illustrated.

example:

IMD+F++:::Testartikel XY-R 12-1,8 8 DF:248x240x238 mm

MEA K 5 Measures and weights

6311 M an..3 DIMENSION DATA, APPLICATIONQUALIFIER

The following codes are available:

„AAI“	Weight of an item
„PD“	Physical dimension

C502 K DIMENSION DATA DETAILS

6313 K an..3 dimension data, coded

The following codes are available:

„AAA“	Net weight
„AAB“	Gross weight
„ABJ“	Volume
„HT“	Height
„ID“	Internal diameter
„LN“	Length
„TH“	Size, Magnitude
„WD“	Width

C174 K DIMENSION VALUE/SCOPE

6411 M an..3 Measurement unit, Qualifier

The following codes are available:

see code list 6411

6314 K an..18 Measurement value

Measurement value to three decimal places.

example:

MEA+AAI+AAB+KGM:241

QTY K 1 Quantity
This segment is used to specify the total volume of the current order item identified in the LIN-segment. SGBDD always delivers the quantity of the current order item.

C186 M QUANTITY DETAILS

6063 M an..3 Quantity, Qualifier
constant value:

„21“ Ordered quantity

6060 M n.. 15 Quantity
Quantity details to three decimal places.

6411 K an..3 Measurement unit, Qualifier
The following codes are available:

see code list 6411

example:

QTY+21:10:SA

MOA M 1 Amount
This segment is used to specify the amount.

C516 M AMOUNT

5025 M an..3 Amount, Qualifier
constant value:

„203“ Item amount

5004 M n..18 Amount
 Amount to **two** decimal places.

example:

MOA+203: 62.25

FTX K 1 Free text
This freetext is used to indicate physical dimensions of the ordered product, as long as it is sold in different lengths or volumes.

4451 M an.. 3 TEXT SUBJECT, CODED
constant value:

„ZZZ“ <i>Mutually defined</i>

4453 *NOT USED.*

C107 *NOT USED.*

C108 M TEXT

4440 M an.. 70 Free text

4440 K an.. 70 Free text

4440 K an.. 70 Free text

4440 K an.. 70 Free text

4440 K an.. 70 Free text

Note:

In freetext a maximum of 350 characters (5 x 70 characters) is transmitted.

The transfer of this segment is individually coordinated with suppliers of non-core products (measurement, cut-to-size, custom-made-product)!

example:

FTX+ZZZ+++text example

Segmentgroup 28 **K 1****PRI** M 1 Price details

This segment contains price information regarding the relevant product identified in the LIN-segment.

C509 K PRICE INFORMATION

5125 M an..3 Price, Qualifier
constant value:

„AAA“ Net price (incl. allowances and deductions, excl. taxes)

5118 K n..15 Price
Price of the article to three decimal places.

5375 *NOT USED*

5387 *NOT USED*

5284 K n..9 Unit price basis
Quantity on which the before mentioned price and the in data element 6411 mentioned measuring unit refer. If the price for example refers on one piece a 1 must be transmitted in this data element and in data element 6411 the code PCE for piece must be transmitted. The price basis has to be indicated as follows:

„1“ = 1 unit
„10“ = 10 units
„33“ = 33 units
„100“ = 100 units
etc.

If the contents is not filled to capacity the price remains independent of the quantity.

6411 K an..3 Measuring unit, qualifier

See code list 6411

Segmentgroup 28 end

example:

PRI+AAA:100.000:::1:MTQ

UNS M 1 Section Control
The UNS-segment is a service segment and designates the break between the part relating to an item and the part relating to the sum total.

0081 M a1 SECTION IDENTIFIER, CODED
constant value:

„S“ <i>Separation between item and sum total</i>
--

MOA K 1 Amount

C516 M AMOUNT

5025 M an..3 Type of amount, qualifier
constant value:

„86“ <i>Entire amount of the message</i>
--

5004 K n..18 Amount

Amount to two decimal places.

example:

UNS+S
 MOA+86:100.00

CNT K 1 Control total
This segment is used to provide the reconciliation sum.

C270 M RECONCILIATION INFORMATION

6069 M an..3 Control qualifier
constant value:

„2“ Number of items in the message
--

6066 M an..18 Control value

UNT M 1 Message trailer

This segment is used to end the message and to check that it is complete.

0074 M n..6 NUMBER OF SEGMENTS IN A MESSAGE

Number of the segments transmitted with this message, incl. the segments UNH and UNT.

0062 M an..14 MESSAGE REFERENCE NUMBER

Here the same reference number as in UNH / 0062 must be inserted.

example:

CNT+2:6

UNT+65+1

- UNZ** M 1 User data trailer
This segment is used to terminate the transmission file and to check that it is complete.
- 0036** M n..6 DATA EXCHANGE COUNTER
Here the number of messages in the framework user data UNB...UNZ is entered.
- 0020** M an..14 DATA EXCHANGE REFERENCE
Here the same reference number as in UNB / 0020 must be entered.

example:

UNZ+1+1962

Attachment – Code lists

Code list 6411:

001	Barrel (205 litres, 45 gallons) (GTIN)	P1	Percent: This code indicates that the measure qualifier is a percentage value, for example the relative humidity is 52% (Code RA in data element 6313).
002	degree days (GTIN)	PCE	Piece
003	giga calories (GTIN)	PGE	Page (GTIN): The indication that the number of pages for the provision of the order is relevant for example the number of fax pages.
004	Mega joule per cubic metre (GTIN)	PND	Pound (GTIN)
ACR	Acre (4840 yd ²)	PPM	Parts per Million (GTIN)
AMT	Amount (GTIN) Amount unit	PTI	Pint UK (0,568262 Liter)
APX	Troy ounce (31,10348 g) (GTIN)	PTN	Portion (GTIN)
ASM	Alcohol content per mass		The indication of the number of portions (doses in the medical sense), in which a product may be divided in for prescriptions for example a package of 6 portions or a medical liquid in 20 doses.
ASV	Alcohol content per volume	QAN	Quarter of a year
BTU	British Thermal unit (1055 kilojoule)	QTI	Quart UK (1,1136523 Liter)
C0	Telephone unit, Measurement for telephone calls	RTO	Ratio (GTIN)
	EANCOM indication: Code value is C0 (C sero)	SEC	Second
CEL	Degrees Celsius	ST	Sheet of paper
CMK	Square centimetre	TNE	Metric Tonne (1000kg)
CMT	centimetre	VLT	Volt
DAY	day, the definition of a day as measuring unit	WHR	Watt hour
DMT	Decimetre	WRD	Word (GTIN): The definition of a word as a unit of measurement for example: 21 words in a Telex.
EA	Every single (one)	WTT	Watt
FAH	degrees Fahrenheit	YRD	Yard (0,9144 m)
FOT	foot (0,3048 m)		
GJO	Giga joule		
GLI	Gallon (4,546092 dm ³)		
GRM	Gram		
GWH	Giga watt-hour (1Million kW/h)		
HLT	Hectolitre		
HUR	Hour		
INH	Inch (25,4 mm)		
JOU	Joule		
KBA	Kilo bar		
KEL	Kelvin		
KGM	Kilogram		
KHZ	Kilo hertz		
KJO	Kilo joule		
KMT	Kilometre		
KVT	Kilo volt		
KWH	Kilo watt hour		
KWT	Kilo watt		
LNE	Number of printed lines (GTIN) indication of the printed lines on a paper receipt (for ex. telegram) for calculation purposes		
LTR	Litre (1 dm ³)		
MAL	1 Million Litre		
MAW	Mega watt		
MGM	Milligram		
MHZ	Mega hertz		
MIN	Minute		
MLT	Millilitre		
MMT	Millimetre		
MTK	Square metre		
MTQ	Cubic metre		
MTR	Metre		
MWH	Megawatt Hour (1000 KWh)		
NAR	Number of articles		
NRL	Number of rolls		
ONZ	Ounce GB, US (28,349523 g)		
OZA	Liquid ounce US (29,5735 cm ³)		
OZI	Liquid ounce UK (28,413 cm ³)		

Code list 6313

A	consolidates weight description follows	DN	Diametre of an article
AAA	Unit net weight	DP	Density
	Weight (Mass) of goods including any packaging used for commercial purposes	DP	Depth
AAB	Unit gross weight	ENE	Nutritional measurement indication (GTIN)
	Weight (Mass) of goods including packaging, but excluding the carrier's equipment	FCT	Specification for the energy value of an article
AAC	Total net weight	FCT	Fat content (GTIN)
	Total weight of goods of all units of an article on the basis of which the amount of the order is supplied	G	Specification for the fat content of a product
AAD	Total gross weight	G	Gross weight
	Weight (Mass) of goods including packaging, but excluding the carrier's equipment	GMC	Weight (mass) of goods including packaging but excluding the carrier's equipment
AAE	Item gross weight	GMC	Gross measurement of the volume (GTIN)
	Gross weight at line of item level	HAT	Gross measurement of the volume of an article
AAF	Net net weight	HAT	Elevation (Height)
	weight (mass) of the goods without packaging	ID	Numerical value of the height
AAO	Humidity	ID	Inside diametre
	Self-explanatory	LAY	Specification of the inner diametre of a roll, tube, pipe or ring
AAP	Voltags	LAY	Number of layers (GTIN)
	Self-explanatory	LAY	Number of layers of one or several articles within a packing piece, container, pallet etc.
AAQ	Power consumption	LN	Length dimension
	Value of energy consumption	LN	Length of pieces or packages stated for transport purposes
AAR	Heat dissipation	NPP	Number of pallet places (GTIN)
	Self-explanatory	NPP	The number of pallet places that is required in purchase order to stock or to transport pallets (possibly piled)
AAU	Operative temperature	OD	Outside diametre
	Temperature identified system or process works according to specifications	OD	Specification of the outside diametre of a roll, tube, pipe or ring
AAW	Gross volume	PMC	Net-specification of the volume (GTIN)
	The volume unadjusted for factors such as temperature or gravity	PMC	Specification of the net volume of a package
AAX	Net volume	RA	Relative humidity
	The volume after adjustment for factors such as temperature or gravity	SPG	Specific gravity (GTIN)
AAZ	Water content	SSZ	Raster size (GTIN)
	Water content of a product	SSZ	Indication of the measurement options of an article produced independent of a purchase order (CSA), e.g. 10 metres wooden planks cut to a size of 2 metres
ABJ	Volume	T	Tare weight
	The amount of air space taken up by the entity identified in data element 6311	TC	Temperature
ADX	Transport container's relevant filling weight	TC	Temperature
	Relevant filling weight of a transport container	TH	Specification related to the temperature
ADY	Transport container's maximum capacity	TH	Size (thickness)
	Maximum capacity of a transport container	UCO	Units per package (GTIN)
ADZ	Declared net weight	UCO	The number of identified units per package
	The declared net weight of a product or products used for invoicing, customs or transport purposes	ULY	Units per layer (GTIN)
AEA	Loading height	ULY	Number of the units of a product or package per layer of a package, a container, a pallet etc.
	Maximum height of products or packages loaded onto a given transportation device or equipment such as a pallet	WD	Width dimension
AEB	Stacking height	WD	Numeric value of width
	Maximum height up to which the same product or package may be vertically stacked for storage purposes	WRM	Weight per running metre (GTIN)
DBX	Degree Öchsle (GTIN)	WRM	A code that indicates the weight per running metre of floor covering for a covered surface
	The sugar concentration	WSM	Weight per squaremetre (GTIN)
DI	Diametre	WSM	A code that indicates the weight per squaremetre of floor covering for a covered surface
		ZWA	Waste content
		ZWA	The measured waste content