

Specification

Lemvigh Müller purchase orders

1 Document information

1.1 Purpose of document

This document describes how purchase orders from Lemvigh-Müller A/S is generated, based on the Danish EDIFACT Guideline EANCOM/HANCOM version 97 to create a common basis electronic exchange of data (EDI) between Lemvigh-Müller A/S and suppliers

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1.2 Document history

Version no.	Date	Description	Initials
1.0	2010.01.04	Translated to english	JHEC
1.1	2016.06.29	Lemvigh Müller GLN numbers updated	BRHO

2 LM ORDERS (Purchase)

This section describes each segment used in the Purchase Order message.

UNA Service string advis			
To define the characters selected for use as delimiters and indicators in the rest of the Interchange			
Number	Text		Description
	Component data element separator	M an..1	Constant = : (colon)
	Data element separator	M an..1	Constant = + (plus sign)
	Decimal notation	M an..1	Constant = . (period)
	Release indicator	M an..1	Constant = ? (question mark)
	Reserved	M an..1	Blank / Space
	Segment terminator	M an..1	Constant = ` (apostrophe)
Example: UNA:+.? `			

UNB Interchange header (envelope)			
To identify and specify the sender and receiver of a message.			
Number	Text		Description
S001	Syntax identifier	M	
0001	Syntax identifier	M a..4	UNOC
0002	Syntax version number	M n..1	3
S002	Interchange sender	M	
0004	Sender identification	M an..35	5790000428403(PROD) or 5790002195853(Test)
0007	Partner identification code qualifier	C an..4	14 = EAN number (GLN number)
0008	Address for reverse routing	C an..14	Not used
S003	Interchange recipient	M	
0010	Recipient identification	M an..35	Recipient EAN13 location number (GLN number)
0007	Partner identification code qualifier	C an..4	14 = EAN number (GLN number)
0014	Routing address	C an..14	Not used
S004	Date/time of preparation	M	
0017	Date	M n..6	YYMMDD
0019	Time	M n..4	HHMM
0020	Interchange control reference	M an..14	Unique reference assigned by sender
S005	Recipient's reference password	C	
0022	Recipient's reference / password	M an..14	Not used
0025	Recipient's reference / password qualifier	C an..2	Not used
0026	Application reference		Not used
0029	Processing priority code		Not used
0031	Acknowledgement request		Not used
0032	Communications agreement		EANCOM
0035	Test indicator		1 = test, blank = production.
Example:			
UNB+UNOC:3+5790000428403:14+5790000000001:14+160701:0945+1179191++++EANCOM+1'			

UNH Service string advis			
To define the characters selected for use as delimiters and indicators in the rest of the Interchange			
Number	Text		Description
0062	MESSAGE REFERENCE NUMBER	M an..14	Sender's unique message reference. Sequence number of the message in the interchange.
S009	MESSAGE IDENTIFIER	M	
0065	Message type	M an..6	ORDERS = Purchase order message
0052	Message version number	M an..3	D = Draft directory
0054	Message release number	M an..3	96A = Version 96 A
0051	Controlling agency	M an..2	UN=UN/ECE/TRADE/WP.4, Unite Nations Standard Messages (UNSM)
0057	Association assigned code	C an..6	EAN008
0068	COMMON ACCESS REFERENCE	C an..35	Not used
S010	STATUS OF THE TRANSFER	C	
0070	Sequence of transfers	M n..2	Not used
0073	First and last transfer		Not used
Example: UNH+1381305+ORDERS:D:96A:UN:EAN008'			

BGM Beginning of message			
To indicate the type and function of a message and to transmit the identifying number.			
Number	Text		Description
C002	DOCUMENT/MESSAGE NAME	C	
1001	Document/message name, coded	C an..3	220 – Inventory 224 – Special 226 – Direct
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
1000	Document/message name	C an..35	Not used
1004	DOCUMENT/MESSAGE NUMBER	C an..35	Order number assigned by document sender.
1225	MESSAGE FUNCTION, CODED	C an..3	Not used
4343	RESPONSE TYPE, CODED	C an..3	Not used
Example: BGM+220+4500036400'			

DTM Date/time/period			
To specify date, and/or time, or period.			
Number	Text		Description
C507	DATE/TIME/PERIOD	M	
2005	Date/time/period qualifier	M an..3	137 - Documentdate 2 - Delivery date/time, requested
2380	Date/time/period	C an..35	Date
2379	Date/time/period format qualifier	C an..3	102=CCYYMMDD
Example: DTM+2:20160705:102'			

FTX Free text			
To provide free form or coded text information.			
Number	Text		Description
4451	TEXT SUBJECT QUALIFIER	M an..3	AAI - General information
4453	TEXT FUNCTION, CODED	C an..3	Not used
C107	TEXT REFERENCE	C	
4441	Free text, coded	M an..3	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
C108	TEXT LITERAL	C	
4440	Free text	M an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
3453	LANGUAGE, CODED	C an..3	Not used
Example: FTX+AAI++ +First line:Second line'			

RFF Reference			
To specify a reference			
Number	Text		Description
C506	REFERENCE	M	
1153	Reference qualifier	M an..3	ON - Lemvigh Müller`s Order number CO - Our End Customer`s Order number
1154	Reference number	C an..35	ON - Lemvigh Müller`s Order number CO - Our End Customer`s Order number
1156	Line number	C an..6	Not used
4000	Reference version number	C an..35	Not used
Example: RFF+ON:4500036400' RFF+CO:4902052207'			

NAD Name and address			
To specify the name and address and their related functions.			
Number	Text		Description
3035	PARTY QUALIFIER	M an..3	BY = Buyer DP = Delevery party SU = Supplier IV = Invoice
C082	PARTY IDENTIFICATION DETAILS	C	
3039	Party id. identification	M an..35	BY: Lemvigh Müller EAN(GLN) number or as aggred DP: Delivery code SU: Supplier code IV: Invoice GLN number
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	9=EAN number
C058	NAME AND ADDRESS	C	
3124	Name and address line	M an..35	Not used
3124	Name and address line	C an..35	Not used
3124	Name and address line	C an..35	Not used
3124	Name and address line	C an..35	Not used
3124	Name and address line	C an..35	Not used
C080	PARTY NAME	C	
3036	Party name	M an..35	Company name - line 1
3036	Party name	C an..35	Company name - line 2
3036	Party name	C an..35	Not used
3036	Party name	C an..35	Not used
3036	Party name	C an..35	Not used
3045	Party name format, coded	C an..3	Not used
C059	STREET	C	
3042	Street and number/p.o. box	M an..35	Street and number
3042	Street and number/p.o. box	C an..35	Not used
3042	Street and number/p.o. box	C an..35	Not used
3042	Street and number/p.o. box	C an..35	Not used
3164	CITY NAME	C an..35	City name
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9	Not used
3251	POSTCODE IDENTIFICATION	C an..9	Zipcode
3207	COUNTRY, CODED	C an..3	Country code
Example: NAD+BY+5790000428403' NAD+DP+++Lemvigh-Müller A/S+Nordager 1+Kolding++6000+DK' NAD+SU+5700000000001:9'			

CTA Contact information			
To identify a person or a department to whom communication should be directed.			
Number	Text		Description
3139	CONTACT FUNCTION, CODED	C an..3	PD - Purchasing contact OC - Order contact
C056	DEPARTMENT OR EMPLOYEE DETAILS	C	
3413	Department or employee identification	C an..17	Not used
3412	Department or employee	C an..35	Contact name
Example: CTA+PD+:Jørn Heideman'			

COM Communication contact			
To identify a communication number of a department or a person to whom communication should be directed.			
Number	Text		Description
C076	COMMUNICATION CONTACT	M	
3148	Communication number	M an..512	Phone number or email address
3155	Communication channel qualifier	M an..3	TE - phone EM - email
Example: COM+3695 5269:TE' COM+supplier-edi@lemu.dk:EM'			

LIN Line item			
To identify a line item and configuration			
Number	Text		Description
1082	LINE ITEM NUMBER	C n..6	Line number
1229	ACTION REQUEST/NOTIFICATION, CODED	C an..3	Not used
C212	ITEM NUMBER IDENTIFICATION	C	
7140	Item number	C an..35	EAN number if provided
7143	Item number type, coded	C an..3	EN – International Article Numbering Association
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
C829	SUB-LINE INFORMATION	C	
5495	Sub-line indicator, coded	C an..3	Not used
1082	Line item number	C n..6	Not used
1222	CONFIGURATION LEVEL	C n..2	Not used
7083	CONFIGURATION, CODED	C an..3	Not used
Example: LIN+1++5702233000233:EN'			

PIA Additional product id			
To specify additional or substitutrial item identification codes.			
Number	Text		Description
4347	PRODUCT ID. FUNCTION QUALIFIER	M an..3	1 - Additional identification
C212	ITEM NUMBER IDENTIFICATION	M	
7140	Item number	C an..35	Productnumber
7143	Item number type, coded	C an..3	SA - Supplier's article number IN - Buyer's item number
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
C212	ITEM NUMBER IDENTIFICATION	M	
7140	Item number	C an..35	Not used
7143	Item number type, coded	C an..3	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
C212	ITEM NUMBER IDENTIFICATION	M	
7140	Item number	C an..35	Not used
7143	Item number type, coded	C an..3	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
C212	ITEM NUMBER IDENTIFICATION	M	
7140	Item number	C an..35	Not used
7143	Item number type, coded	C an..3	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
C212	ITEM NUMBER IDENTIFICATION	M	
7140	Item number	C an..35	Not used
7143	Item number type, coded	C an..3	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
Example: PIA+1+KTH3048315000S:SA'			
PIA+1+3048315000S:IN'			

IMD Item description			
To describe an item in either an industry or free format.			
Number	Text		Description
7077	ITEM DESCRIPTION TYPE, CODED	C an..3	F - Free-form
7081	ITEM CHARACTERISTIC, CODED	C an..3	Not used
C273	ITEM DESCRIPTION	C	
7009	Item description identification	C an..17	TU – Trade unit
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
7008	Item description	C an..35	Item description 1
7008	Item description	C an..35	Item description 2
3453	Language, coded	C an..3	Not used
7383	SURFACE/LAYER INDICATOR, CODED	C an..3	Not used
Example: IMD+F++TU::Toolbox 33'			

QTY Quantity			
To specify a pertinent quantity			
Number	Text		Description
C186	QUANTITY DETAILS	M	
6063	Quantity qualifier	M an..3	21 - Ordered quantity
6060	Quantity	M n..15	Quantity
6411	Measure unit qualifier	C an..3	Common code from UN/CEFACT Recommendation 20
Example: QTY+21:5.00:PCE'			

DTM DATE/TIME/PERIOD			
To specify date, and/or time, or period.			
Only specified if requested delivery time is different from the one specified in order header.			
Number	Text		Description
C507	DATE/TIME/PERIOD	M	
2005	Date/time/period qualifier	M an..3	2 - Delivery date/time, requested
2380	Date/time/period	C an..35	Date
2379	Date/time/period format qualifier	C an..3	102 - CCYMMDD
Example: DTM+2:20160705:102'			

FTX Free text			
To provide free form or coded text information.			
Number	Text		Description
4451	TEXT SUBJECT QUALIFIER	M an..3	AAI - General information
4453	TEXT FUNCTION, CODED	C an..3	Not used
C107	TEXT REFERENCE	C	
4441	Free text, coded	M an..3	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
C108	TEXT LITERAL	C	
4440	Free text	M an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
4440	Free text	C an..70	Important orderheader information
3453	LANGUAGE, CODED	C an..3	Not used
Example: FTX+AAI+++Must be 113-0322'			

RFF Reference			
To specify a reference.			
Number	Text		Description
C506	REFERENCE	M	
1153	Reference qualifier	M an..3	LI - Line item reference number
1154	Reference number	C an..35	Not used
1156	Line number	C an..6	Line item referrece number value
4000	Reference version number	C an..35	Not used
Example: RFF+LI:00010'			

UNS Section control			
To separate Header, Detail and Summary sections of a message			
Number	Text		Description
0081	SECTION IDENTIFICATION	M a1	S – separate
Example: UNS+S'			

CNT Reference			
A segment by which control totals may be provided by the sender for checking by the receiver.			
Number	Text		Description
C270	REFERENCE	M	
6069	Control qualifier	M an..3	2 - Number of line items in message
6066	Control value	M n..18	Numbers of line items in message value
6411	Measure unit qualifier	C an..3	Not used
Example: CNT+2:1'			

UNT Message trailer			
To end and check completeness of a message.			
Number	Text		Description
0074	NUMBER OF SEGMENTS IN THE MESSAGE	M n..6	The total number of segments in the message is detailed here.
0062	MESSAGE REFERENCE NUMBER	M an..14	The message reference number detailed here should equal the one specified in the UNH segment.
Example: UNT+26+1381305'			

UNZ Interchange trailer			
To separate header, detail and summerysections of a message.			
Number	Text		Description
0036	Interchange control count	M n..6	The count of the number of messages.
0020	Interchange control reference	M an..14	Shall be identical to 0020 in UNB segment.

Example: UNZ+1+1179191'

3 Example

This section gives an example of an Purchase Order message:

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UNA:+.?'
UNB+UNOC:3+5790000428403:14+5790000000001:14+160701:0945+1179191+++++EANCOM'
UNH+1381305+ORDERS:D:96A:UN:EAN008'
BGM+220+4500036400'
DTM+2:20160705:102'
DTM+137:20160701:102'
RFF+ON:4500036400'
RFF+CO:4902052207'
NAD+BY+5790000428403::9'
CTA+PD+:Winnie Christensen'
COM+3695 5269:TE'
COM+supplier-edi@lemu.dk:EM'
NAD+DP+DKLP6603::9++Lemvigh-Müller A/S:Varemodtagelse 3+Blangstedgaardsvej 11+Odense SØ++5220+DK'
NAD+SU+5700000000001::9'
CTA+OC+:Hans Hansen'
COM+44123456:TE'
COM+mail@SupplierToLM.com:EM'
NAD+IV+5790000428403::9'
LIN+1++5702233000233:EN'
PIA+1+KTH3048315000S:SA'
PIA+1+3048315000S:IN'
IMD+F++TU:::Toolbox 33'
QTY+21:5.00:PCE'
DTM+2:20160705:102'
RFF+LI:00010'
UNS+S'
CNT+2:1'
UNT+26+1381305'
UNZ+1+1179191'
```