

Specification

Lemvigh-Müller Invoice (purchase)

1 Document information

1.1 Purpose of document

This document describes how invoices to Lemvigh-Müller A/S should be generated. It is 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

If in doubt, please contact Lemvigh-Müller A/S. Main contacts:

e-Connect Team
Email: edi@lemu.dk
Phone: +45 36 95 52 69

1.2 Document history

Version no.	Date	Description	Initials
1.0	2008.18.09	Created	NIGB
1.1	2009.12.15	Updated because of SAP implementation	JHEC/HESV
1.2	2012.04.27	Added TAX+7, Line Tax information	NIGR

2 Lemvigh-Müller A/S Invoice (Purchase)

This section describes each segment used in the Invoice 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 = , (comma) or . (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	Vendor EAN
0007	Partner identification code qualifier	C an..4	14 = EAN number
0008	Address for reverse routing	C an..14	Not used
S003	Interchange recipient	M	
0010	Recipient identification	M an..35	Lemvigh-Müller A/S EAN
0007	Partner identification code qualifier	C an..4	14 = EAN 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. Must be identical with reference in UNZ segment.
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	C	Not used
0029	Processing priority code	C	Not used
0031	Acknowledgement request	C	Not used
0032	Communications agreement	C	EANCOM
0035	Test indicator	C	1 = test, blank = production.
Example: UNB+UNOC:3+579000000001:14+5790000001132:14+060315:0945+1179191++++EANCOM			

Note: Lemvigh-Müller A/S do not use test indicators on in-/outgoing messages without prior agreement with other party.

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	INVOIC = Invoice 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+INVOIC: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	380 = Invoice 381 = Credit note
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	Invoice 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+380+7893083'			

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	35 = Delivery Date 137 = Document Date 138 = Payment Date
2380	Date/time/period	C an..35	Date
2379	Date/time/period format qualifier	C an..3	102=CCYYMMDD
Example: DTM+137:20060315:102'			

FTX Free text			
To provide free form or coded text information.			
Number	Text		Description
4451	TEXT SUBJECT QUALIFIER	M an..3	AAI - General information ZZZ - Mutually defined
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 invoice header information
4440	Free text	C an..70	Important invoice header information
4440	Free text	C an..70	Important invoice header information
4440	Free text	C an..70	Important invoice header information
4440	Free text	C an..70	Important invoice header 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 - Customer Order Number VN - Supplier reference number AAU - Suppliers dispatch number
1154	Reference number	M an..35	Reference
1156	Line number	C an..6	Not used
4000	Reference version number	C an..35	Not used
Example: RFF+ON:4500035878'			

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 = Delivery party SU = Seller/Vendor IV = Invoice recipient
C082	PARTY IDENTIFICATION DETAILS	C	
3039	Party id. identification	M an..35	BY: Lemvigh-Müller A/S EAN number DP: Adress of delivery SU: Seller/Vendor EAN number IV: Not used
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	DP: Company name – line 1
3036	Party name	C an..35	DP: 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	DP: Street and number
3042	Street and number/p.o. box	C an..35	DP: 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
3164	CITY NAME	M an..35	DP: City name
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9	Not used
3251	POSTCODE IDENTIFICATION	M an..9	DP: Zipcode
3207	COUNTRY, CODED	C an..3	DP: Country Code
Example: NAD+BY+ 5790000001132'			
NAD+DP+++Lemvigh-Müller A/S+Nordager 1+Kolding++6000+DK'			

RFF Reference			
To specify a reference			
Number	Text		Description
C506	REFERENCE	M	
1153	Reference qualifier	M an..3	VA - VAT-nr
1154	Reference number	M an..35	Reference
1156	Line number	C an..6	Not used
4000	Reference version number	C an..35	Not used
Example: RFF+VA:16608949'			

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	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+OC+:Jørn Heideman'			

Note: Is used with NAD+BY

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	C	
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+edi@lemu.dk:EM'			

CUX Currencies			
To specify currencies used in the transaction and relevant details for the rate of exchange. Is only used if currency is different from DKK.			
Number	Text		Description
C504	CURRENCY DETAILS	C	
6347	Currency details qualifier	M an..3	2 - Reference currency
6345	Currency, coded	C an..3	ISO 4217 Code
6343	Currency qualifier	C an..3	Not used
6348	Currency rate base	C n..4	Not used
C504	CURRENCY DETAILS	C	
6347	Currency details qualifier	M an..3	Not used
6345	Currency, coded	C an..3	Not used
6343	Currency qualifier	C an..3	Not used
6348	Currency rate base	C n..4	Not used
5402	RATE OF EXCHANGE	C n..12	Not used
6341	CURRENCY MARKET EXCHANGE, CODED	C an..3	Not used
Example: CUX+2:DKK'			

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 5 - Product ID (if not provided in LIN)
C212	ITEM NUMBER IDENTIFICATION	M	
7140	Item number	C an..35	Productnumber
7143	Item number type, coded	C an..3	EN – EAN code SA – Supplier article number IN – Buyer article 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+KTH3048315000:SA'			
PIA+1+3048315000: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	Not used
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+++::Toolbox 33'			

QTY Quantity			
To specify a pertinent quantity			
Number	Text		Description
C186	QUANTITY DETAILS	M	
6063	Quantity qualifier	M an..3	47 – Invoiced quantity
6060	Quantity	M n..15	Quantity
6411	Measure unit qualifier	C an..3	Common code from UN/CEFACT Recommendation 20
Example: QTY+47:5:PCE'			

FTX Free text			
To provide free form or coded text information in segment group LIN.			
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 invoice line information
4440	Free text	C an..70	Important invoice line information
4440	Free text	C an..70	Important invoice line information
4440	Free text	C an..70	Important invoice line information
4440	Free text	C an..70	Important invoice line information
3453	LANGUAGE, CODED	C an..3	Not used
Example: FTX+AAI+++First line:Second line'			

MOA Monetary amount			
To specify a monetary amount.			
Number	Text		Description
C516	MONETARY AMOUNT	M	
2025	Monetary amount type qualifier	M an..3	203 - Line item amount
5004	Monetary amount	C n..18	Amount
6345	Currency, coded	C an..3	ISO 4217 three alpha code
6343	Currency qualifier	C an..3	Not used
4405	Status, coded	C an..3	Not used
Example: MOA+203:1855:DKK'			

PRI Price details

PRI Price details			
To specify price details			
Number	Text		Description
C509	Price Information	C	
5125	Price qualifier	M an..3	AAA = Unit netprice - no tax
5118	Price	C n..15	Unit price
5375	Price type, coded	C an..3	Not used
5387	Price type, qualifier	C an..3	Not used
5284	Base for unit price	C n..9	Not used
6411	UOM, coded	C an..3	Not used
5213		C an..3	Not used
Example: PRI+AAA:43,00'			

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	Reference
1156	Line number	C an..6	Not used
4000	Reference version number	C an..35	Not used
Example: RFF+LI:00010'			

TAX Taxes/Fees			
To specify taxes and fees for product.			
Number	Text		Description
5283	DUTY/TAX/FEE FUNCTION QUALIFIER	M an..3	7 = Tax
C241	DUTY/TAX/FEE TYPE	C	
5153	Duty/tax/fee type, coded	C an..3	ENV = Environmental tax EXC = Consumption tax / excise duty
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
5152	Duty/tax/fee type	C an..35	Not used
C533	DUTY/TAX/FEE ACCOUNT DETAIL	C	
5289	Duty/tax/fee account identification	C an..6	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
5286	DUTY/TAX/FEE ASSESSMENT BASIS	C an..15	Not used
C243	DUTY/TAX/FEE DETAIL	C	
5279	Duty/tax/fee rate identification	C an..7	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
5278	Duty/tax/fee rate	C an..17	Not used
5273	Duty/tax/fee rate basis identification	C an..12	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
5305	DUTY/TAX/FEE CATEGORY, CODED	C an..3	Not used
3446	PARTY TAX IDENTIFICATION NUMBER	C an..20	Not used
Example: TAX+7+ENV'			

ALC Allowance or charge			
To specify charges and/or allowances.			
Number	Text		Description
C552	Allowance/Charge	M	
5463	Allowance or Charge qualifier	M an..3	A - Allowance C - Charge
1230	Allowance or Charge number	C an..35	Not used
5189	Charge/allowance description, coded	C an..3	Not used
1131	Code list qualifier	C an..3	Not used
7161	Special services, coded	C an..3	See note below
Example: ALC+A++++ASS'			

Note: All lines with qualifier = A is regarded as Line item discount
 All lines with qualifier = C is regarded as Line item charge

MOA Monetary amount			
To specify a monetary amount.			
Number	Text		Description
C516	MONETARY AMOUNT	M	
5025	Monetary amount type qualifier	M an..3	8 - Allowance or charge amount 124 - Tax or Fee amount
5004	Monetary amount	C n..18	Amount
6345	Currency, coded	C an..3	ISO 4217 three alpha code
6343	Currency qualifier	C an..3	Not used
4405	Status, coded	C an..3	Not used
Example: MOA+8:105:DKK'			

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'			

MOA Monetary amount			
To specify a monetary amount.			
Number	Text		Description
C516	MONETARY AMOUNT	M	
5025	Monetary amount type qualifier	M an..3	125 - Taxable amount 86 - Message total monetary amount (including vat/taxes)
5004	Monetary amount	C n..18	Amount
6345	Currency, coded	C an..3	ISO 4217 three alpha code
6343	Currency qualifier	C an..3	Not used
4405	Status, coded	C an..3	Not used
Example: MOA+86:1855:DKK'			

TAX Taxes			
To specify taxes			
Number	Text		Description
5283	DUTY/TAX/FEE QUALIFIER	FUNCTION M an..3	7 = Moms
C241	DUTY/TAX/FEE TYPE	C	
5153	Duty/tax/fee type, coded	C an..3	VAT = moms
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	9 = EAN
5152	Duty/tax/fee type	C an..35	Not used
C533	DUTY/TAX/FEE ACCOUNT DETAIL	C	
5289	Duty/tax/fee account identification	C an..6	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
5286	DUTY/TAX/FEE BASIS	ASSESSMENT C an..15	Not used
C243	DUTY/TAX/FEE DETAIL	C	
5279	Duty/tax/fee rate identification	C an..7	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
5278	Duty/tax/fee rate	C an..17	VAT = 25
5273	Duty/tax/fee rate basis identification	C an..12	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
5305	DUTY/TAX/FEE CATEGORY, CODED	C an..3	S = Standard
3446	PARTY TAX IDENTIFICATION NUMBER	C an..20	Not used
Example: TAX+7+VAT::9++++::25+S'			

MOA Monetary amount			
To specify a monetary amount.			
Number	Text		Description
C516	MONETARY AMOUNT	M	
5025	Monetary amount type qualifier	M an..3	124 - Tax amount
5004	Monetary amount	C n..18	Amount
6345	Currency, coded	C an..3	ISO 4217 three alpha code
6343	Currency qualifier	C an..3	Not used
4405	Status, coded	C an..3	Not used
Example: MOA+124:463:DKK'			

ALC Allowance or charge			
To specify charges and/or allowances.			
Number	Text		Description
C552	Allowance/Charge	M	
5463	Allowance or Charge qualifier	M an..3	A - Allowance C - Charge
1230	Allowance or Charge number	C an..35	Not used
5189	Charge/allowance description, coded	C an..3	Not used
1131	Code list qualifier	C an..3	Not used
7161	Special services, coded	C an..3	FC - Freight charge PC - Packing HD - Handling ADR - Other services
Example: ALC+C++++FC'			

Note: All segments with qualifier = A is regarded as invoice discount

Allowed codes:

FC = Freight charge

Amount to be paid for moving goods, by whatever means, from one place to another, inclusive discounts, allowances, rebates, adjustment factors and additional cost relating to freight costs

PC = Packing

Charge for packing.

HD = Handling

Charge for handling of the item.

ADR = Other services

A code indicating that other non-specific services are in operation.

MOA Monetary amount			
To specify a monetary amount.			
Number	Text		Description
C516	MONETARY AMOUNT	M	
5025	Monetary amount type qualifier	M an..3	131 - Total charges/allowances
5004	Monetary amount	C n..18	Amount
6345	Currency, coded	C an..3	ISO 4217 three alpha code
6343	Currency qualifier	C an..3	Not used
4405	Status, coded	C an..3	Not used
Example: MOA+131:15:DKK'			

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 numbred detailed here should equal the one specified in the UNH segment.
Example: UNT+22+10'			

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 Invoice message:

```
UNA:+.?  
UNB+UNOC:3+579000000001:14+5790000001132:14+060315:0945+1179191+++++EANCOM  
UNH+1381305+INVOIC:D:96A:UN:EAN008  
BGM+380+5600399788  
DTM+137:20080918:102  
RFF+VN:4355663  
RFF+CR:2398682  
NAD+BY+5790000001132  
NAD+IV+5790000001132++Lemvigh-Müller A/S:206+Nordager 1+Kolding++6000+DK  
NAD+SE+5790000010639  
RFF+VA:DK19342735  
NAD+DP+++Lemvigh-Müller A/S+Industrivej 25+Viborg++8800+DK  
LIN+1++5700000000000:EN  
PIA+1+5741083967:SA  
PIA+1+411114711:IN  
IMD+F++TU:::TEST ITEM  
QTY+47:1.000:PCE  
MOA+203:1101.70  
PRI+AAA:1101.70  
RFF+LI:00010  
ALC+A+++QD  
MOA+8:50  
UNS+S  
MOA+86:1502.13  
MOA+79:1201.70  
TAX+7+VAT  
MOA+124:300.43  
ALC+C+++HD  
MOA+131:100  
UNT+29+182005543  
UNZ+1+00000057065484
```