

3. Description of messages (EDIFACT)

Introduction

EDIFACT (= **E**lectronic **D**ata **I**nterchange for **A**dministration, **C**ommerce and **T**ransport) is an international standard in which all data structures are defined that cover the whole communication area of a company.

EDIFACT is used across industries, is hardware and network independent, flexible and built up according to a modular system.
Which available components are used in which concrete case can only be decided by the partners involved.

To facilitate the practical application, EDIFACT subsets were defined tailored to the needs of the user groups. Subsets have the task to limit the authorized possibility of how a message to be exchanged has to look like so that the clear communication of the partners is guaranteed.

Thus EDI has to be designed as easy as possible, ie few fields and only the most important information.
To achieve advantages at Phoenix Contact as well as the customer it is useful to realize on both sides at least one incoming and outgoing information.

Within the transmission of data in the EDIFACT format we prefer the telebox service X.400 of the German Telekom for safety reasons.

Only in exceptional cases orders via eMail are accepted.

Please only transfer data Phoenix Contact once you have got in touch with us.

General information

Contact person : Dipl.-Inf. Johannes Springst

Address: Phoenix Contact GmbH & Co.
Flachsmarktstraße 8
D - 32825 Blomberg

Telephone: +49 - 5235 / 3-41622

Fax: +49 - 5235 / 3-41919

eMail: jspringst@phoenixcontact.com

X400 address for EDI messages:

C	=	DE
A	=	viaT
S	=	Phoenix Contact
0	=	ABTEILUNG-IO
CN	=	Phoenix Contact
OU1	=	Netze

DUNS: 31-597-0970

International Location Number (ILN): 4017918000004

eMail address for EDI messages: edi@phoenixcontact.com

Used messages:

ORDERS
ORDRSP
INVOIC

Other message types on request.

a) Message type ORDERS

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion instructions	Status M=Must / O=Opt	Format
UNA	Field separator standard	:+?.?		M	an6
Segment status: Must Example: UNA:+.?' The field separator standard indicates how the decimal separator is placed, etc.					
UNB S001	Syntax identifier			M	a3
	Syntax identification code	+UNOC	character set „C“ is valid	M	a4
	Syntax version number	:3		M	n1
S002	Sender of the transmission data file	+	ILN-/DUNS-/customer- Nr/free text	M	an..35
	Sender description	:	14 = given by EAN	O	an..4
	Coding of sender description		1= DUNS-Nr 91= C-Nr at Phoenix Contact		
S003	Receiver of transmission data file	+		M	an..35
	Description of receiver	:	4017918000004	O	an..4
	Coding of receiver description	:	14 = ILN-Nr. Phoenix	O	an..14
S004	Forwarding address	+	eg subsidiaries	M	n6
	Date/Time of creation	:		M	n4
0020	Date of creation	+		M	an..14
0032	Time of creation	+	JJMMTT, eg: 010926	O	an..35
0035	Data exchange reference	+	HHMM, eg: 1200	O	n1
	Exchange agreement		Reference number EANCOM=EANCOM- Subset Test = 1 otherwise 0 or empty		
Segment status: Must Example: UNB+UNOC:3+Sender description:14+4017918000004:14+010926:1200+1+EANCOM+1' The UNB segment mainly serves for communicating the sender, receiver and the creation of the message .					

UNH 0062	Message head segment Message reference number	+1	Message reference number, current No of messages in the data exchange	M M	an..14
S009	Message identification code			M	
	0065 Identification code of message type	+ORDERS	Order	M	an..6
	0052 Version number of message type	:D		M	an..3
	0054 Release number of message type	:96B	= EDIFACT list D.96B	M	an..3
	0051 Organisation in charge coded	:UN	= UNSM (United Nations Standard Messages)	M	an..2
	0057 Organisation in charge, coded	:EAN008	= EAN Version number	O	an..6
Segment status: Must Example: UNH+1+ORDERS:D:96B:UN:EAN008' The UNH segment serves for opening, identifying and specifying a message					
BGM C002	Start of message Name of document/message Type of document, coded	+220	220 = order 221= call-off purchase order	M M	an..3
	1004 Number of document/message	+1234567	Customer order number, clear	M	an..10
Segment status: Must Example: BGM+220+1234567' The BGM segment serves for indicating the type and function of a message and for transmitting the identification number					
DTM C507	Date indication			M	
	2005 Qualifier	+137	137 = order date 2= requested delivery date	1/ 2	an..3
	2380 Date indication	:20011001		M	an..35
	2379 Format of date indication	:102	= Format is JJJJMMTT	M M M	an..3

Segment status: Must
 Example: DTM+137:20011001:102'
 The DTM segment serves for indicating a date and/or time.

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion instructions	Status M=Must / O=Opt	Format
RFF C506	Reference indications			O M M	
1153	Reference indications, coded	+	VC =Skeleton agreement number at Phoenix		an..3
1154	Reference number	:	Skeleton agreement number	M	an..10

Segment status: optional
 Example: RFF+VC:1234567'
 The RFF segment serves for indicating a reference

RFF C506	Reference indications			O M M M	
1153	Reference indications, coded	+	AEP = Project number at Phoenix		an..3
1154	Reference number	:	Project number	M	an..10

Segment status: optional
 Example: RFF+AEP:67
 The RFF segment serves for indicating a reference

FTX 4451	Free text Text allocation, coded	+	MKS = Marking texts, customized	O M	an..3
4453	Processing indication, coded	+		O	an..3
C107	Text reference			M	
4441	Free text, coded	+		O	an..3
C108	Text			M	
4440	Free text	+	Text indication	O1/1	an..70

Segment status: optional
 Example: FTX+MKS+++this is a marking text
 The FTX segment serves for indicating free texts.

NAD 3035	Name and address Involved, Qualifier	+	BY=buyer DP=delivery address SU=supplier	M1/3 M	an..3
C082	Identification				
3039		+	ILN-NR, Customer number a Phoenix (indication delivery address in uncoded text)	O	an..13
1131	Code list, Qualifier	:		O	an..3
3055	Responsible for coding maintenance	:		O	an..3
C058	Name and address in uncoded text		9 = EAN 91= Phoenix Conact is mandatory only with deviating delivery address	O	
3124	recipient participant name	+		M	an..35
C080				O M	
3036		+	Name1	O	an..30
3036		:	Name2	O	an..30
3036		:	Name3	O	an..30
3036		:	Name4	O	an..30
C059	Indication on street			M	
3042	Street	+		O	an..30
3164	City	+			an..30
3229	Part of country/district/county	+			an..9
3251	Postal code	+			an..8
3207	Indication on country code	+			an..3

Segment status: Must
 Example: NAD+BY+ILN Number customer::9'
 or NAD+DP+++Name1:Name2:Name3:Name4+Street+city++PC+Country code'
 The NAD segment serves of indicating the identification of the partner

CTA 3139	Contact information Contact information, coded	+	PD = Purchase department	O O	an..3
C056	Details on the contact partner			O	
3413	Contact partner, coded	+	Department	O	an..35
3412	Name of contact partner	+	Name of person	O	an..3

Segment status: optional
 Example: CTA+PD+Department+Name of person'
 The CTA segment serves for indicating a department or a contact person.

Identifier Identification code	Segment name/Segment group Data element/Group name	content	Conversion instructions	Status M=Must / O=Opt	Format
COM C076 3148 3155	Communication information Indications on communication Contact number Contact number, coded	+ :	Telephone number TE = Telephone number	O M M M	an..24 an..3
Segment status: optional Example: COM+Telephone number:TE' The COM segment serves for indicating communication channels.					
COM C076 3148 3155	Communication information Indication on communication Contact number Contact number, coded	+ :	Telefax number FX = Fax number	O M M M	an..24 an..3
Segment status: optional Example: COM+Telefax number:FX' The COM segment serves for indicating communication channels					
LIN 1082 1229 C212 7140 7143	Position data Position number Message, coded Goods number Product number Product number, type ,coded	+1 + : +1234567 :	current number of position Product number or feature EN =EAN VP= assigned by Phoenix Contact	M 1/999 O O M M O	n..6 an..3 an..35 an..3
Segment status: Must Example: LIN+1++EAN Number::EN' or LIN+1++Phoenix Article number:VP' Das LIN segment serves for indicating a position.					
PIA 4347 C212 7140 7143 1131 3055	Additional product data Additional product data, coded Goods number, identification Product Number Product Number, type ,coded Code list, coded Administration	+1 : +1234567 :BP : :92	1=additional information Customer code number BP=administrated by customer 92= administrated by customer	O M M M O O O	an..3 an..35 an..3 an..3 an..3
Segment status: optional Example: PIA+1+Article number customer:BP::92' The PIA segment serves for indicating additional position indications of the customer					
IMD 7077 7081 C273 7009 1131 3055 7008 7008	Product description Product description, coded Product charateristic, coded Product description Product description, identification Code list, coded Administrative list, coded Product description, text Product description, Text	+F + : + : : : : :	F=free text Article definition1 Article definition2	O O O O O O O O O	an..3 an..3 an..17 an..3 an..3 an..35 an..35
Segment status: optional Example: IMD+F++:::Article description The IMD segment serves for describing the product in free or agreed form					
QTY C186 6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+21 : :	21 = ordered quantity acc to ISO standard PCE=piece MTR=Meter ...	M M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+21+:12:PCE' The QTY segment serves for indicating quantities					

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
DTM C507	Date indication			M 1/2	
2005	Qualifier	+2	2 = requested delivery date	M	an..3
2380	Date indication	:20011001	20011001= Format is JJJJMMTT	M	an..35
2379	Format of date indication	:102		M	an..3
Segment status: optional Example: DTM+2:20011001:102' The DTM segment serves for indicating a date and/or time. It contains the requested delivery date of the customer from the order.					
UNS 0081	Section control segment Section identification code, coded	+S	S=separation of position and total part	M M	a1
Segment status: Must Example: UNS+S' The UNS segment serves for separating the position part from the total part.					
UNT 0074	Message end segment Number of segments in one message	+	12=12 segments in one message	M M	n..6
0062	Message reference number	+	Reference number as in UNH-Seg.	M	an..14
Segment status: Must Example: UNT+1+1' The UNT segment serves for ending a message and checking it for its completeness					
UNZ 0036	User data end segment Data exchange counter	+	Number of messages	M M	n..6
0020	Data exchange reference	+		M	an..14
Segment status: Must Example: UNZ+1+1' The UNZ segment serves for summing up several messages .					

b) Type of message ORDRSP for order confirmation

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion instructions	Status M=Must / O=Opt	Format
UNA	Field separator standard	:+.'?		M	an6
Segment status: Must Example: UNA:+.'? The field separator standard determines how the decimal separator is placed, etc					
UNB S001	Syntax identifier			M	a3
	Syntax identification code	+UNOC	character set „C“ is valid	M	a4
	Syntax version number	:3		M	n1
S002	Sender of transmission data file	+	ILN/DUNS-/Customer Nr/Free text	M	an..35
	Sender definition	:	14 = assigned by EAN 1= DUNS- Nr	O	an..4
	Coding of sender definition		91= Customer Nr at Phoenix Contact		
S003	Receiver of transmission data file	+		M	an..35
	Receiver definition	:	4017918000004	O	an..4
	Coding of receiver definition	:	14 = ILN-Nr. Phoenix	O	an..14
S004	Forwarding address	+	eg subsidiaries	M	n6
	Date/time of creation	:		M	n4
0020	Date of creation	+		M	an..14
0032	Time of creation	+	JJMMTT, eg: 010926	O	an..35
0035	Date exchange reference	+	HHMM, eg: 1200	O	n1
	Exchange agreement		Reference Number EANCOM=EANCOM- Subset Test = 1 otherwise 0 or empty		
Segment status: Must Example: UNB+UNOC:3+sender definition :14+4017918000004:14+010926:1200+1+EANCOM+1' The UNB segment serves mainly for communicating the sender, receiver and the creation of the message					

UNH 0062	Message head segment Message reference number	+1	Message reference number, current Nr of the message in the data exchange	M M	an..14
S009	Message identification code			M	
0065	Identification code of the message type	+ORDRSP	Order confirmation	M	an..6
0052	Version number of the message type	:D		M	an..3
0054	Release number of the message type	:96B	= EDIFACT register D.96B	M	an..3
0051	Organisation in charge type	:UN	= UNSM (United Nations Standard Messages)	M	an..2
0057	Organisation in charge, coded	:EAN008	= EAN Version number	O	an..6
Segment status: Must Example: UNH+1+ORDRSP:D:96B:UN:EAN008' The UNH segment serves for opening, identifying and specifying a message					
BGM C002	Start of message Name of document/message			M M	
1001	Type of document, coded	+220	231 = Order answer	M	an..3
1004	Number of document/message	+1234567	Phoenix order confirmation number	M	an..10
Segment status: Must Example: BGM+221+1234567 The BGM segment serves for indicating the type and function of a message and for transmitting an identification number					
DTM C507	Date indication			M 1/2 M	
2005	Qualifier	+137	137 = order answer date	M	an..3
2380	Date indication	:20011001	= Format is JJJJMMTT	M	an..35
2379	Format of date indication	:102		M	an..3
Segment status: Must Example: DTM+137:20011001:102' The DTM segment serves for indicating a date and/or time					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506	Reference indications			M	
1153	Reference indications, coded	+	ON = order number at customer	M	an..3
1154	Reference number	:	order number at customer	M	an..10
Segment status: Must Example: RFF+ON:1234567' The RFF segment serves for indicating a reference.					
DTM C507	Date indication			M 1/2	
2005	Qualifier	+137	171 = order date	M	an..3
2380	Date indication	:20011001	= Format is JJJJMMTT	M	an..35
2379	Format of date indication	:102		M	an..3
Segment status: Must Example: DTM+171:20011001:102' The DTM segment serves for indicating a date and/or time It refers to the RFF+ON-Segment.					
RFF C506	Reference indications			O	
1153	Reference indications, coded	+	VC = Skeleton agreement number at Phoenix	M	an..3
1154	Reference number	:	Skeleton agreement number	M	an..10
Segment status: optional Example: RFF+VC:1234567' The RFF segment serves for indicating a reference .					
RFF C506	Reference indications			O	
1153	Reference indications, coded	+	AEP = Project number at Phoenix	M	an..3
1154	Reference number	:	Project number	M	an..10
Segment status: optional Example: RFF+AEP:67' The RFF segment serves for indicating a reference.					
FTX 4451	Free text Text allocation, coded	+	MKS = Marking texts, customized	O	an..3
4453	Processing indication, coded	+		O	an..3
C107	Text reference			M	
4441	Free text, coded	+		O	an..3
C108	Text			M	
4440	Free text	+	Text indication	O1/1	an..70
Segment status: optional Example: FTX+MKS+++this is a marking text' The FTX segment serves for indicating free texts.					
NAD 3035	Name and address Involved, qualifier	+	BY=Buyer DP=Delivery address SU=Supplier	M1/3	an..3
C082	Identifications				
3039		+	ILN-NR, Customer number at Phoenix	O	an..13
1131	Code list, Qualifier	:	(Indication delivery address with uncoded text)	O	an..3
3055	Responsibility for code maintenance	:		O	an..3
C058	Name and address in uncoded text		9 = EAN 91= Phoenix Contact Is mandatory only in case of deviating delivery address.	O	
3124	recipient	+		M	an..35
C080	Name of participant			O	
3036		+		M	an..30
3036		:		O	an..30
3036		:	Name1	O	an..30
3036		:	Name2	O	an..30
C059	Indications on street		Name3	O	
3042	Street	+	Name4	M	an..30
3164	City	+		O	an..30
3229	Region/District/County	+			an..9
3251	Postal code	+			an..8
3207	Indications on county code	+			an..3
acc to ISO country code					
Segment status: Must Example: NAD+BY+ILN-Number-customer::9' With delivery address:: NAD+DP+++Name1:Name2:Name3:Name4+Street+City++PC+Country code' The NAD segment serves for indicating the identification of a partner.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
CTA 3139 C056	Contact information Contact information, coded	+	PD = Purchase department	O	an..3
3413	Details on contact partner Contact partner, coded	+	Department	O	an..35
3412	Name of contact partner	+	Name of person	O	an..3
Segment status: optional Example: CTA+PD+Department+Name of person' The CTA segment serves for indicating a department or a contact person.					
COM C076	Communication information Indications on communication			O M	
3148	Contact number	+	Telephone number	M	an..24
3155	Contact number, coded	:	TE = Telephone number	M	an..3
Segment status: optional Example: COM+Telephone number:TE' The COM segment serves for indicating communication channels.					
COM C076	Communication information Indication on communication			O M	
3148	Contact number	+	Telefax number	M	an..24
3155	Contact number, coded	:	FX = Fax number	M	an..3
Segment status: optional Example: COM+Telefax Number:FX' The COM segment serves for indicating communication channels.					
CUX C504	Currency Indications on currency			M M	
6347	Type of currency, coded	+2	2 = Reference currency	M	an..3
6345	Currency	:	DEM = DM EUR = Euro	M	an..3
6343	Currency	:9	9 = Currency of order	M	an..3
Segment status: Must Example: CUX+2:DEM:9' The CUX segment serves for indicating the currency.					
LIN 1082 1229	Position data Position number Message, coded	+1 +	current number of position 3 = changed 5 = Accepted without change	M 1/999 O O	n..6 an..3
C212	Goods number Product number	+1234567 :	Product number EN =EAN	M M	an..35 an..3
7140	Product number, type ,coded	:	VP= assigned by Phoenix Contact	O	an..3
7143					
Segment status: Must Example: LIN+1++EAN number::EN' or LIN+1++Phoenix-Article number:VP' the LIN segment serves for indicating a position.					
PIA 4347 C212	Additional product data Additional product data, coded Goods number, Identification	+1	1=Additional information	O M M	an..3
7140	Product number	+1234567	Customer item number	M	an..35
7143	Product number, type ,coded	:BP	BP=administrated by customer	O	an..3
1131	Code list, coded	:		O	an..3
3055	Administration	:92	92= administrated by customer	O	an..3
Segment status: optional Example: PIA+1+Article number customer:BP::92' The PIA segment serves for indicating additional position indications of the customer.					
IMD 7077 7081 C273	Product description Product description, coded Product charateristic, coded Product description	+F +	F=Free text	O O O	an..3 an..3
7009	Product description, identification	+		O	an..17
1131	Code list, coded	:		O	an..3
3055	Administrative list, coded	:		O	an..3
7008	Product description, Text	:	Article description1	O	an..35
7008	Product description, Text	:	Article description2	O	an..35
Segment status: optional Example: IMD+F+:::Article description' The IMD segment serves for describing the product in free or agreed form					

Identifier Identification code	Segment name/Segment group Data element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
QTY C186 6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+21 : :	21 =ordered quantity acc to ISO standard PCE=piece MTR=Meter ...	M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+21+:12:PCE' The QTY segment serves for indicating quantities.					
QTY C186 6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+ : :	113 = confirmed QUANTITY acc to ISO standard PCE=piece MTR=Meter ...	M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+113+:12:PCE' The QTY-Segment serves for indicating quantities.					
DTM C507 2005 2380 2379	Date indication Qualifier Date indication Format of date indication	+2 : :20011001 :102	2 = requested delivery date 20011001= Format is JJJJMMTT	M 1/2 M M M	an..3 an..35 an..3
Segment status: optional Example: DTM+2:20011001:102' The DTM segment serves for indicating a date and/or time. It contains the requested delivery date of the customer from the order					
DTM C507 2005 2380 2379	Date indication Qualifier Date indication Format of date indication	+69 : :20011001 :102	69 = confirmed delivery date = Format is JJJJMMTT	M 1/2 M M M	an..3 an..35 an..3
Segment status: optional Example: DTM+69:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the RFF+ON segment.					
UNS 0081	Section control segment Section identification code, coded	+S	S=Separation of position and total	M M	a1
Segment status: Must Example: UNS+S' The UNS Segment serves for separating the position from total					
UNT 0074 0062	Message end segment Number of segment in one message Message reference number	+12 : +	12 = 12 Segments in one message Reference number as in the UNH Seg.	M M M	n..6 an..14
Segment status: Must Example: UNT+12+1' The UNT segment serves for ending a message and checking it for its completeness					
UNZ 0036 0020	User data end segment Data exchange counter Data exchange reference	+ : +	Number of messages	M M M	n..6 an..14
Segment status: Must Example: UNZ+1+1' The UNZ segment serves for summarizing several messages.					

c) Type of message INVOIC for invoices

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
UNA	Field separator standard	:+.?'		M	an6
Segment status: Must Example: UNA:+.?' The field separator standard determines how the decimal separator is positioned, etc.					
UNB S001	Syntax identifier	+UNOC	charachter set „C“ is valid	M	a3
	Syntax identification code	:3		M	a4
S002	Syntax version number			M	n1
	Sender of transmission data file	+	ILN/DUNS-/Customer Nr/Free text	M	an..35
	Sender description	:	14 = assigned by EAN, 1= DUNS Nr	O	an..4
	Coding of sender description				
S003	Receiver of transmission data file	+	91= Customer Nr at Phoenix Contact	M	an..35
	Receiver description	:		O	an..4
	Coding of receiver description	:	4017918000004		
	Forwarding address	:	14 = ILN Nr. Phoenix	O	an..14
S004	Date/time of creation	+	eg. subsidiaries	M	n6
	Date of creation	:		M	n4
0020	Time of creation	+	JJMMTT, eg: 010926	M	an..14
0032	Data exchange reference	+	HHMM, eg: 1200	O	an..35
0035	Exchange agreement	+	Reference number EANCOM=EANCOM-Subset Test = 1 otherwise 0 or empty	O	n1
Segment status: Must Example: UNB+UNOC:3+sender description:14+4017918000004:14+010926:1200+1+EANCOM+1' The UNB segment mainly serves for communicating the sender, the receiver and the creation of the message					

UNH 0062	Message head segment Message reference number	+1	Message reference number, current Nr of messages in the data exchange	M M	an..14
S009	Message identification code			M	
	Identification code of the type of message	+INVOIC	Order confirmation	M	an..6
	Version number of the type of message	:D		M	an..3
	Release number of the type of message	:96A	= EDIFACT register D.96B	M	an..3
	Organisation in charge coded	:UN	= UNSM (United Nations Standard Messages)	M	an..2
	Organisation in charge, coded	:EAN008	= EAN Version number	O	an..6

Segment status: Must
 Example: UNH+1+ORDRSP:D:96B:UN:EAN008'
 The UNH segment serves for opening, identifying and specifying a message

BGM C002	Begin of message Name of documents/message Type of document, coded	+380	380 = Invoice 381 = Credit	M M M	an..3
1004	Number of document /message	+1234567	Phoenix invoice number	M	an..10

Segment status: Must
 Example: BGM+380+1234567'
 The BGM segment serves for indicating the type and function of a message and for transmitting the identification number

DTM C507	Date indication			M 1/2 M	
	Qualifier	+137	137 = Date of invoice	M	an..3
	Date indication	:20011001		M	an..35
	Format of the Date indication	:102	102 = Format is JJJJMMTT	M	an..3

Segment status: Must
 Example: DTM+137:20011001:102'
 The DTM segment serves for indicating a date and/or time.

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506	Reference indications			M	
1153	Reference indications, coded	+	ON = Order number at customer	M	an..3
1154	Reference number	:	Order number at customer	M	an..10
Segment status: optional Example: RFF+ON:1234567' The RFF segment serves for indicating a reference.					
DTM C507	Date indication			M	
2005	Qualifier	+137	171 = Order date	M	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of date indication	:102	102 = Format is JJJJMMTT	M	an..3
Segment status: Must Example: DTM+171:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the RFF+ON segment.					
RFF C506	Reference indications			O	
1153	Reference indications, coded	+	DQ = Delivery note number	M	an..3
1154	Reference number	:	Delivery note number	M	an..10
Segment status: optional Example: RFF+DQ:1234567' The RFF segment serves for indicating a reference. It is only filled in when there is only one delivery note for an order.					
DTM C507	Date indication			M 1/2	
2005	Qualifier	+137	171 = delivery note date	M	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of the date indication	:102	102= Format is JJJJMMTT	M	an..3
Segment status: Must Example: DTM+171:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the RFF+DQ segment.					

NAD 3035	Name and address Involved, Qualifier	+	BY = Buyer IV = Receiver of invoice DP = Delivery address SU = Supplier	M1/3 M	an..3
C082	Identification	+		O	an..13
3039					
1131	Code list, Qualifier	:	ILN-NR, Customer Number at Phoenix	O	an..3
3055	Responsible for code maintenance	:	(indication of delivery address in uncoded text)	O	an..3
C058	Name and address in uncoded text			O	
3124	Receiver	+	9 = EAN	M	an..35
C080	Name of participant	+	91= Phoenix Contact Is mandatory only with deviating delivery address.	O	
3036		+		M	an..30
3036		:		O	an..30
3036		:		O	an..30
3036		:		O	an..30
C059	Indications on street		Name1	O	
3042	Street	+	Name2	O	
3164	City	+	Name3	M	an..30
3229	Region/District/County	+	Name4	O	an..30
3251	Postal code	+			an..8
3207	Indications on country code	+			an..3
acc to ISO country code					
Segment status: Must Example: NAD+BY+ILN-Number Customer::9' With delivery address:: NAD+DP+++Name1:Name2:Name3:Name4+Street+City++Postal code+country code' The NAD segment serves for indicating the identification of a partner.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506	Reference indications			O	
1153	Reference indications, coded	+	VA = UST-ID	M	an..3
1154	Reference number	:	Sales tax-ID	M	an..10
Segment status: optional Example: RFF+VA:1234567' The RFF segment serves for indicating a reference. It refers to the NAD segment.					
CUX C504	Currency Indications on currency			M	
6347	Type of currency, coded	+2	2 = Reference currency	M	an..3
6345	Currency	:	DEM = DM EUR = Euro	M	an..3
6343	Currency	: 9	4 = Currency of invoice	M	an..3
Segment status: Must Example: CUX+2:DEM:4' The CUX segment serves for indicating the currency.					
PAT 4279	Payment conditions Payment conditions, coded	+3	3 = Fixed date	O	an..3
Segment status: optional Example: PAT+3' The PAT segment serves for indicating the payment conditions.					
DTM C507	Date indication			M	
2005	Qualifier	+12	12 = Due date for deduction	M	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of date indication	:102	102= Format is JJJJMMTT	M	an..3
Segment status: Must Example: DTM+12:20011001:102' The DTM segment serves for indicating a date and/or time. It refers to the PAT segment and indicates the date until which it is allowed to draw a payment discount .					
PCD C501	Percentage Detailed indications on percentage			M	
5245	Detailed indications, coded	+12	12=deduction	M	an..3
5482	Percentage	:10	10 = 10 % deduction	M	n..10
5249	Percentage, coded	:	13 = on invoice value	K	an..3
Segment status: Must Example: PCD+12:10:13' The PCD segment serves for indicating the percentage deduction; it refers to the PAT-Segment.					
PAT 4279	Payment conditions Payment conditions, coded	+3	3 = Field date	O	an..3
Segment status: optional Example: PAT+3' The PAT segment serves for indicating payment conditions.					
DTM C507	Date indication			M	
2005	Qualifier	+13	13 = Payable without deduction	M	an..3
2380	Date indication	:20011001		M	an..35
2379	Format of date indication	:102	102= Format is JJJJMMTT	M	an..3
Segment status: Must Example: DTM+13:20011001:102'T The DTM segment serves for indicating a date and/or time. It refers to the PAT segment and indicates the date until which the amount must be paid without deduction					
TOD 4055 C100	Delivery and transport conditions, coded Conditions, coded	+6	6 = delivery conditions	O	an..3
4053	Indications on delivery conditions delivery conditions, coded	+CFR	CFR = Cost and freight	M	an..3
4052	delivery conditions	:	Uncoded text	M	an..36
Segment status: optional Example: TOD+6+CFR:Free domicile incl. packing' The TOD segment serves for indicating the delivery and transport conditions.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
ALC 5463 1227 C214 7161	Surcharge/deductions Surcharges, deductions, coded calculation level, coded Special indications Special indications, coded	+A +1 +RAA	A=deduction 1 = first calculation level RAA = final discount	O M O O O	an..3 an..3 an..3
Segment status: optional Example: ALC+A+++1+RAA' The ALC segment serves for indicating surcharges and/or deductions; here deduction					
PCD C501 5254 5482	Percentage indications detailed Percentage indications Percentage indications, coded Percentage indications	+1 :	1=deduction Percentage	O O O O	an..3 n..10
Segment status: Must Example: PCD+1:5' The PCD segment serves for indicating the percentage on the ALC segment.					
MOA C516 5025 5004	Amount indications Indications on amounts Indications on the amount, coded Amount indication	+8 :	8=surcharge/deduction Amount indication of the deductions	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, Deductions, coded Special indications Special indications, coded	+C +PC	C=surcharge PC= package	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++PC' The ALC segment serves for indicating surcharges and/or deductions; here surcharge					
MOA C516 5025 5004	Amount indication Indication on amounts Indications on the amounts, coded Indication on amount	+8 :	8= Surcharge/deduction Amount indication of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, Deductions, coded Special indications Special indications, coded	+C +ADK	C=surcharge ADK = delivery cost	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++ADK' The ALC segment serves for indicating surcharges and/or deductions; here surcharge					
MOA C516 5025 5004	Amount indication Indication on amount Indications on the amounts, coded Indication on amount	+8 :	8= surcharge/deduction Indication on amount of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, deductions, coded Special indications Special indications, coded	+C +FC	C=surcharge FC = Freight costs	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++FC' The ALC segment serves for indicating surcharges and/or deductions; here surcharge					
MOA C516 5025 5004	Indication on amount Indication on amounts Indications on the amounts, coded Indication on amount	+8 :	8= surcharge/deduction Indication on amount of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
ALC 5463 C214 7161	Surcharges/Deductions Surcharges, Deductions, coded Special indications Special indications, coded	+C +MAC	C=surcharge MAC = Processing surcharge	O M O O	an..3 an..3
Segment status: optional Example: ALC+C++++MAC' The ALC segment serves for indicating surcharges, deductions; here surcharge					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
MOA C516 5025 5004	Indication on amount Indication on amounts Indications on amounts, coded Indication on amount	+8 :	8= surcharge/deduction Indication on amount of surcharges	O O O O	an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
LIN 1082 1229 C212 7140 7143	Position data Position number Message, coded Goods number Product number Product number, type ,coded	+1 + +1234567 :	current Number of position 3 = changed Product number or characteristic EN =EAN VP=assigned by Phoenix Contact	M 1/999 O O M M O	n..6 an..3 an..35 an..3
Segment status: Must Example: LIN+1++EAN-Number::EN' or LIN+1++Phoenix-Article Number:VP' The LIN segment serves for indicating a position.					
PIA 4347 C212 7140 7143	Additional product data Additional product data, coded Goods number, identification Product number Product number, type ,coded	+1 +1234567 :BP	1=Additional information Customer reference number BP=administered by customer	O M M M O	an..3 an..35 an..3
Segment status: optional Example: PIA+1+Article number customer:BP::92' The PIA segment serves for indicating additional position indications of the customer.					
PIA 4347 C212 7140 7143	Additional product data Additional product data, coded Goods number, identification Product number Product number, type,coded	+1 +2 :IN	1=Additional information Customer position number IN=Customer position number	O M M M O	an..3 an..35 an..3
Segment status: optional Example: PIA+1+Customer position number:IN' The PIA segment serves for indicating additional position indications of the customer'					
PIA 4347 C212 7140 7143	Additional product data Additional product data, coded Goods number, identification Product number Product number, type ,coded	+5 +100506 :SA	5=Product information Article number SA=Supplier article number	O M M M O	an..3 an..35 an..3
Segment status: optional Example: PIA+5+Supplier item number:SA' The PIA segment serves for indicating the Phoenix article number.					
IMD 7077 C273 7008 7008	Product description Product description, coded Product description Product description, part1 Product description, part2	+F +Text1 :Text2	F=Free text Article description by Phoenix Article description by Phoenix	O M M M O	an..3 an..35 an..35
Segment status: optional Example: IMD+F+Text1:Text2' The IMD segment serves for indicating the article description.					
QTY C186 6063 6060 6411	Quantity indication QUANTITY, Qualifier QUANTITY Measurement unit, Qualifier	+ : :	47 =calculated QUANTITY acc to ISO standard PCE=piece MTR=Meter ...	M M M M M	an..3 n..13 an..3
Segment status: optional Example: QTY+47+:12:PCE' The QTY segment serves for indicating the quantity.					
FTX 4451 C108 4440	Free text Free text, coded Free text indications Free text	+ACB +Text	ACB=additional information Preferences	O M O	an..3 an..17
Segment status: optional Example: FTX+ACB+Text' The FTX segment contains the preferences on the article.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
RFF C506 1153 1154	Reference indications Reference indications, coded Reference number	 + :	 DQ = Delivery note number Delivery note number	 O M M M	 an..3 an..10
Segment status: Kann Example: RFF+DQ:1234567' The RFF segment serves for indicating a reference. The RFF segment is only filled in if there are several delivery notes for an order.					
PRI C509 5125 5118 5284	Price indications Price indication, coded Price Price unit	 +AAB : :	 AAB = Gross price Gross price Gross price unit	 O M O O O	 an..3 n..15 n..9
Segment status: Kann Example: PRI+AAB:2345.23:100' The PRI segment serves for indicating a price. It contains the gross price at position level.					
ALC 5463 1227 C214 7161	Surcharges/Deductions Surcharges, Deductions, coded Calculation level, coded Special indications Special indications, coded	 +A +1 +RAA	 A=deduction RAA = final discount	 O M O O O	 an..3 an..3 an..3
Segment status: Kann Example: ALC+A+++1+RAA' The ALC segment serves for indicating surcharges and/or deductions; here deduction at position level					
PCD C501 5254 5482	Percentage indications detailed percentage indications Percentage indications, coded Percentage indications	 +1 :	 1=deduction Percentage	 O O O O	 an..3 n..10
Segment status: Must Example: PCD+1:5' The PCD segment serves for indicating percentages on the ALC segment.					
MOA C516 5025 5004	Amount indication Indication on amounts Indications amounts, coded Indication on amount	 +8 :	 8=surcharge/deduction Indication on amount of deductions	 O O O O	 an..3 n..10
Segment status: Must Example: MOA+8+12.50' The MOA segment serves for indicating amounts; it refers to the ALC segment.					
UNS 0081	Section control segment Section identification code, coded	+S	S=Separation of position and total identification code	M M	a1
Segment status: Must Example: UNS+S' The UNS segment serves for separating the position part from total.					
MOA C516 5025 5004	Amount indication Indications on amount Indications on amounts, coded Indication on amount	 +79 :	 79=total sum of positions Indication on amount	 M O O O	 an..3 n..10
Segment status: Must Example: MOA+79+1250' The MOA segment serves for indicating amounts; here gross value of positions.					
MOA C516 5025 5004	Indication on amount Indication on amounts Indications on the amounts, coded Indication on amount	 +176 :	 176=VAT of positions Indication on amount	 M O O O	 an..3 n..10
Segment status: Must Example: MOA+176+201' The MOA segment serves for indicating amounts; here VAT of positions.					
MOA C516 5025 5004	Indication on amounts Indication on amount Indications on the amounts, coded Indication on amount	 +86 :	 86=Net value of positions Indication on amount	 M O O O	 an..3 n..10
Segment status: Must Example: MOA+86+1113' The MOA segment serves for indicating amounts; here net value of positions.					

Identifier Identification code	Segment name/Segment group Date element/Group name	Content	Conversion indications	Status M=Must / O=Opt	Format
MOA C516 5025 5004	Indication on amount Indication on amounts Indications on the amounts, coded Indication on the amount	+125 :	125=taxable amount Indication on amount	M O O O	an..3 n..10
Segment status: Must Example: MOA+125+1250' The MOA segment serves for indicating amounts; here taxable amount of positions.					
TAX 5283 C241 5153 C243 5025 5305	Indications on fees and taxes Funcion of indications, coded Type of tax Type of tax, coded Value of tax Tax, coded	+7 +VAT + +S	7 = Tax VAT = Value Added Tax VAT amount S = Standard value	M O O O O O	an..3 an..3 n..17 an..3
Segment status: Must Example: TAX+7+VAT+123+S' The MOA segment serves for indicating amounts; here gross value of positions					
UNT 0074 0062	Message end segment Number of segments in one message Message reference number	+ +	12=12 Segments in one message Reference number as in the UNH- Seg.	M M M	n..6 an..14
Segment status: Must Example: UNT+12+1' The UNT segment serves for ending a message and checking it for completeness					
UNZ 0036 0020	User data end segment Data exchange counter Data exchange reference	+ +	Number of messages	M M M	n..6 an..14
Segment status: Must Example: UNZ+1+1' The UNZ segment serves for summarizing several messages.					

4. Message description (CSV format)

Besides the above mentioned EDIFACT format Phoenix Contact also accepts orders that are first registered in a table calculation software (example Microsoft Excel) and then stored as ASCII data file in the so-called CSV format. Thereby one field always corresponds to one column that exists even if it is not filled in.

The field separator in this case is the semicolon.

Field Nr.	Field name	Content	Status M=Must / O=Opt	Format
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Head data

1	Clear message reference number		M	an..35
2	Identification of sender	DUNS number or customer Nr. at Phoenix Contact	M	an..35
3	Identification of receiver	PHXBL for Phoenix Contact in Blomberg, PHXLUE for Phoenix Feinbau in Lüdenscheidt, PHXBP for Phoenix Electronics in Bad Pyrmont	M	an..35
4	Type of message	ORDERS for orders	M	an..6
5	Order number of customer		O	an..35
6	Ordering date		O	an..35
7	Customer number at Phoenix Contact		M	an..35
8	Company name of customer		O	an..35

Optional address data

9	Country	ISO Codes	O	an..3
10	Company name		O	an..35
11	Name 2		O	an..30
12	Street		O	an..30
13	Postal code		O	an..10
14	City		O	an..30

Optional Order head text

15	Order head text		O	an..255
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Ordering position data

16	Ordering position number of customer		O	an..6
17	Project number		O	an..6
18	Skeleton agreement number		O	an..8
19	Phoenix Contact article number / EAN Code		O	an..30
20	Phoenix Contact Order key		O	an..35
21	Customer article number		O	an..35
22	Article description		O	an..35
23	Order quantity		M	an..15
24	Requested delivery date		O	an..35
25	Order position text		O	an..255