Rexroth
Bosch Group

EDI GUIDE

INVOIC D99B

Who should read this document?

This document is for EDI-administrators who will implement this EDI-guide to be able to receive EDIFACT invoices from Bosch Rexroth AG.

Explanation of usage:

First of all, the usage of each segment has to be considered, so if a segment is mandatory (M), it has to appear in the data file.

It might happen, that a segment itself is optional (O), but the elements wihtin the segment are declared as mandatory. This means, it is not required that the segment is included, but as soon as the segment is in data file, the mandatory fields must be filled.
The same procedure has to be applied to segment groups and segemnts: A segment group can be optional, while the contained segments are mandatory. In this case all mandatory segments of a segment group has to apear in the data file, if you decide to use this segment group.

In case that in a segment describtion is listed more than one segement group, you have to read them from bottom to top. The first segment group is that group which contains the segment. The next segment group above is the segment group which contains the previous segment group.

The request of certain segment groups, segments or fields may differ from the describtion of INVOIC D99B like it is distributed from the UNECE. We have changed the request of some elements from optional to mandatory as they are important for our processes.

If you have questions to this guide, send an e-mail to: **SupportSales.EDI@de.bosch.com**

Segment	Content	M/O	Length	Group3	Group2	Group
UNB	Interchange Header	M	1	(once per transmission)		
UNH	Message header	M	1			
BGM	Beginning of message	M	1			
DTM	Date/time/period	M	35			
PAI	Payment instructions	O	1			
ALI	Additional information	O	5			
IMD	Item description	O	1			
FTX	Free text	O	99			
LOC	Place/location identif	O	10			
GIS	General indicator	O	10			
DGS	Dangerous goods	O	1			
GIR	Related identification	O	10			
	Segment group 1	**O**	**99999**			**1**
RFF	Reference	M	1			**1**
DTM	Date/time/period	O	5			**1**
GIR	Related identification	O	5			**1**
LOC	Place/location identif	O	2			**1**
MEA	Measurements	O	5			**1**
QTY	Quantity	O	2			**1**
FTX	Free text	O	5			**1**
MOA	Monetary amount	O	2			**1**
RTE	Rate details	O	99			**1**
	Segment group 2	O	99			**2**
NAD	Name and address	M	1			**2**
LOC	Place/location identif	O	25			**2**
FII	Financial institution	O	5			**2**
MOA	Monetary amount	O	99			**2**
						2
	Segment group 3	O	9999		**3**	**2**
RFF	Reference	M	1		**3**	**2**
DTM	Date/time/period	O	5		**3**	**2**
						2
	Segment group 4	O	5		**4**	**2**
DOC	Document/message detai	M	1		**4**	**2**
DTM	Date/time/period	O	5		**4**	**2**
						2
	Segment group 5	O	5		**5**	**2**
CTA	Contact information	M	1		**5**	**2**
COM	Communication contact	O	5		**5**	**2**
	Segment group 6	O	5			**6**
TAX	Duty/tax/fee details	M	1			**6**
MOA	Monetary amount	O	1			**6**
LOC	Place/location identif	O	5			**6**
	Segment group 7	O	99			**7**
CUX	Currencies	M	1			**7**
DTM	Date/time/period	O	5			**7**
	Segment group 8	O	10			**8**
PAT	Payment terms basis	M	1			**8**
DTM	Date/time/period	O	5			**8**
PCD	Percentage details	O	1			**8**

MOA	Monetary amount	O	1		8
PAI	Payment instructions	O	1		8
FII	Financial institution	O	1		8
	Segment group 9	O	10		9
TDT	Details of transport	M	1		9
TSR	Transport service requ	O	1		9
					9
	Segment group 10	O	10	**10**	9
LOC	Place/location identif	M	1	**10**	9
DTM	Date/time/period	O	5	**10**	9
					9
	Segment group 11	O	9999	**11**	9
RFF	Reference	M	1	**11**	9
DTM	Date/time/period	O	5	**11**	9
	Segment group 12	O	5		12
TOD	Terms of delivery or t	M	1		12
LOC	Place/location identif	O	2		12
	Segment group 13	O	99		13
EQD	Equipment details	M	1		13
SEL	Seal number	O	9		13
	Segment group 14	O	1000		14
PAC	Package	M	1		14
MEA	Measurements	O	5		14
EQD	Equipment details	O	1		14
	Segment group 15	O	5	**15**	14
PCI	Package identification	M	1	**15**	14
RFF	Reference	O	1	**15**	14
DTM	Date/time/period	O	5	**15**	14
GIN	Goods identity number	O	5	**15**	14
	Segment group 16	O	9999		16
ALC	Allowance or charge	M	1		16
ALI	Additional information	O	5		16
FTX	Free text	O	1		16
	Segment group 17	O	5	**17**	16
RFF	Reference	M	1	**17**	16
DTM	Date/time/period	O	5	**17**	16
	Segment group 18	O	1	**18**	16
QTY	Quantity	M	1	**18**	16
RNG	Range details	O	1	**18**	16
	Segment group 19	O	1	**19**	16
PCD	Percentage details	M	1	**19**	16
RNG	Range details	O	1	**19**	16
	Segment group 20	O	2	**20**	16
MOA	Monetary amount	M	1	**20**	16
RNG	Range details	O	1	**20**	16
CUX	Currencies	O	1	**20**	16
DTM	Date/time/period	O	1	**20**	16
	Segment group 21	O	1	**21**	16
RTE	Rate details	M	1	**21**	16
RNG	Range details	O	1	**21**	16

	Segment group 22	O	5	**22**	**16**
TAX	Duty/tax/fee details	M	1	**22**	**16**
MOA	Monetary amount	O	1	**22**	**16**
	Segment group 23	O	100		**23**
RCS	Requirements and condi	M	1		**23**
RFF	Reference	O	5		**23**
DTM	Date/time/period	O	5		**23**
FTX	Free text	O	5		**23**
	Segment group 24	O	1		**24**
AJT	Adjustment details	M	1		**24**
FTX	Free text	O	5		**24**
	Segment group 25	O	1		**25**
INP	Parties and instructio	M	1		**25**
FTX	Free text	O	5		**25**

DETAIL SECTION

	Segment group 26	O	999999		**26**
LIN	Line item	M	1		**26**
PIA	Additional product id	O	25		**26**
IMD	Item description	O	99		**26**
MEA	Measurements	O	5		**26**
QTY	Quantity	O	5		**26**
PCD	Percentage details	O	1		**26**
ALI	Additional information	O	5		**26**
DTM	Date/time/period	O	35		**26**
GIN	Goods identity number	O	1000		**26**
GIR	Related identification	O	1000		**26**
QVR	Quantity variances	O	1		**26**
EQD	Equipment details	O	1		**26**
FTX	Free text	O	99		**26**
DGS	Dangerous goods	O	1		**26**
	Segment group 27	O	99	**27**	**26**
MOA	Monetary amount	M	1	**27**	**26**
CUX	Currencies	O	1	**27**	**26**
	Segment group 28	O	10	**28**	**26**
PAT	Payment terms basis	M	1	**28**	**26**
DTM	Date/time/period	O	5	**28**	**26**
PCD	Percentage details	O	99	**28**	**26**
MOA	Monetary amount	O	1	**28**	**26**
	Segment group 29	O	25	**29**	**26**
PRI	Price details	M	1	**29**	**26**
CUX	Currencies	O	1	**29**	**26**
APR	Additional price infor	O	1	**29**	**26**
RNG	Range details	O	1	**29**	**26**
DTM	Date/time/period	O	5	**29**	**26**
	Segment group 30	O	10	**30**	**26**
RFF	Reference	M	1	**30**	**26**
DTM	Date/time/period	O	5	**30**	**26**
	Segment group 31	O	10	**31**	**26**
PAC	Package	M	1	**31**	**26**
MEA	Measurements	O	10	**31**	**26**

EQD	Equipment details	O	1		**31**	**26**
	Segment group 32	O	10	**32**	**31**	**26**
PCI	Package identification	M	1	**32**	**31**	**26**
RFF	Reference	O	1	**32**	**31**	**26**
DTM	Date/time/period	O	5	**32**	**31**	**26**
GIN	Goods identity number	O	10	**32**	**31**	**26**
	Segment group 33	O	9999		**33**	**26**
LOC	Place/location identif	M	1		**33**	**26**
QTY	Quantity	O	100		**33**	**26**
DTM	Date/time/period	O	5		**33**	**26**
	Segment group 34	O	99		**34**	**26**
TAX	Duty/tax/fee details	M	1		**34**	**26**
MOA	Monetary amount	O	2		**34**	**26**
LOC	Place/location identif	O	5		**34**	**26**
	Segment group 35	O	99		**35**	**26**
NAD	Name and address	M	1		**35**	**26**
LOC	Place/location identif	O	5		**35**	**26**
FII	Financial institution	O	5		**35**	**26**
	Segment group 36	O	5	**36**	**35**	**26**
RFF	Reference	M	1	**36**	**35**	**26**
DTM	Date/time/period	O	5	**36**	**35**	**26**
	Segment group 37	O	5	**37**	**35**	**26**
DOC	Document/message detai	M	1	**37**	**35**	**26**
DTM	Date/time/period	O	5	**37**	**35**	**26**
	Segment group 38	O	5	**38**	**35**	**26**
CTA	Contact information	M	1	**38**	**35**	**26**
COM	Communication contact	O	5	**38**	**35**	**26**
	Segment group 39	O	30		**39**	**26**
ALC	Allowance or charge	M	1		**39**	**26**
ALI	Additional information	O	5		**39**	**26**
DTM	Date/time/period	O	5		**39**	**26**
FTX	Free text	O	1		**39**	**26**
	Segment group 40	O	1	**40**	**39**	**26**
QTY	Quantity	M	1	**40**	**39**	**26**
RNG	Range details	O	1	**40**	**39**	**26**
	Segment group 41	O	1	**41**	**39**	**26**
PCD	Percentage details	M	1	**41**	**39**	**26**
RNG	Range details	O	1	**41**	**39**	**26**
	Segment group 42	O	2	**42**	**39**	**26**
MOA	Monetary amount	M	1	**42**	**39**	**26**
RNG	Range details	O	1	**42**	**39**	**26**
CUX	Currencies	O	1	**42**	**39**	**26**
DTM	Date/time/period	O	1	**42**	**39**	**26**
	Segment group 43	O	1	**43**	**39**	**26**
RTE	Rate details	M	1	**43**	**39**	**26**
RNG	Range details	O	1	**43**	**39**	**26**
	Segment group 44	O	5	**44**	**39**	**26**
TAX	Duty/tax/fee details	M	1	**44**	**39**	**26**

MOA	Monetary amount	O	2	**44**	**39**	**26**
	Segment group 45	O	10		**45**	**26**
TDT	Details of transport	M	1		**45**	**26**
	Segment group 46	O	10	**46**	**45**	**26**
LOC	Place/location identif	M	1	**46**	**45**	**26**
DTM	Date/time/period	O	5	**46**	**45**	**26**
	Segment group 47	O	5		**47**	**26**
TOD	Terms of delivery or t	M	1		**47**	**26**
LOC	Place/location identif	O	2		**47**	**26**
	Segment group 48	O	100		**48**	**26**
RCS	Requirements and condi	M	1		**48**	**26**
RFF	Reference	O	5		**48**	**26**
DTM	Date/time/period	O	5		**48**	**26**
FTX	Free text	O	5		**48**	**26**
	Segment group 49	O	10		**49**	**26**
GIS	General indicator	M	1		**49**	**26**
RFF	Reference	O	1		**49**	**26**
DTM	Date/time/period	O	5		**49**	**26**
GIR	Related identification	O	5		**49**	**26**
LOC	Place/location identif	O	2		**49**	**26**
MEA	Measurements	O	5		**49**	**26**
QTY	Quantity	O	2		**49**	**26**
FTX	Free text	O	5		**49**	**26**
MOA	Monetary amount	O	2		**49**	**26**
	SUMMARY SECTION					
UNS	Section control	M	1			
CNT	Control total	O	10			
	Segment group 50	M	100			**50**
MOA	Monetary amount	M	1			**50**
	Segment group 51	O	1		**51**	**50**
RFF	Reference	M	1		**51**	**50**
DTM	Date/time/period	O	5		**51**	**50**
	Segment group 52	O	10			**52**
TAX	Duty/tax/fee details	M	1			**52**
MOA	Monetary amount	O	2			**52**
	Segment group 53	O	15			**53**
ALC	Allowance or charge	M	1			**53**
ALI	Additional information	O	1			**53**
MOA	Monetary amount	O	2			**53**
FTX	Free text	O	1			**53**
UNT	Message trailer	M	1			**53**
UNZ	Interchange trailer	M	1	(once per transmission)		

UNB	Interchange Header	M	1		
Function	To start, identify and specify an interchange				
S001	**SYNTAX IDENTIFIER**	**M**	**1**		
0001	Syntax identifier	M		an..4	UNOA
0002	Syntax version number	M		a..1	1
S002	**INTERCHANGE SENDER**	**M**	**1**		
0004	Sender identification	M		an..35	your sender id
0007	Partner identification	M		an..4	your partner id
0008	Adress for reverse routing	O		an..14	
S003	**INTERCHANGE RECIPIENT**	**M**	**1**		
0010	Recipient Identification	M		an..35	ECCREX
0007	Partner identification	M		an..4	ZZ
0014	Routing adress	O		an..14	
S004	**DATE/TIME OF PREPARATION**	**M**	**1**		
0017	Date	M		n..6	YYMMDD
0019	Time	M		n..4	HHMM
0020	INTERCHANGE CONTROL REFERENCE	M	1	**an..14**	unique reference assigned by sender
S005	**RECIPIENTS REFERENCE, PASSWORD**	**O**	**1**		
0022	Recipients reference, password	M		an..14	as specified
0025	Recipients reference, password qualifier	O		an..2	
0026	APPLICATION REFERENCE	O	1	an..14	
0029	PROCESSING PRIORITY CODE	O	1	an..1	
0031	ACKNOWLEDGEMENT REQUEST	O	1	n..1	
0032	COMMUNICATIONS AGREEMENT ID	O	1	an..35	
0035	TEST INDICATOR	O	1	n..1	

Example: UNB+UNOA:1+123456:AB+ECCREX:ZZ+030905:1058+2406+2406'

UNH	Message header	M	1		
Function:	To head, identify and specify a message				
0062	MESSAGE REFERENCE NUMBER	M		an..14	Contains a unique alphanumerical identification of a message
S009	**MESSAGE IDENTIFIER**	**M**	**1**		
0065	Message type	M		an..6	INVOIC
0052	Message version number	M		an..3	D
0054	Message release number	M		an..3	99B
0051	Controlling agency	M		an..2	UN
0057	Association assigned code	O		an..6	
0068	COMMON ACCESS REFERENCE	O		an..35	
S010	**STATUS OF THE TRANSFER**	**O**		**1**	
0070	Sequence of transfers	M		n..2	
0073	First and last transfer	O			

Example: UNH+00002406000001+INVOIC:D:99B:UN'

BGM	Beginn of Message	M	1		
Function:	The segment is used to transfer the invoice number				
C002	**DOCUMENT/MESSAGE NAME**	**O**	**1**		
1001	Document name code	M		an..3	380 = INVOIC
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
1000	Document name	O		an..3	
C106	Document / message identification	**O**	**1**		
1004	Document / message number	M		an..35	invoice number
1056	Version	O		an..9	
1060	Revision number	O		an..6	
1225	MESSAGE FUNCTION CODE	M	1	an..3	9 = original

Example: BGM+380+9000258821+9'

DTM	Date / Time / Period	M	35		
Function:	To specify date, and/or time, or period.				
C507	**DATE/TIME/PERIOD**	**M**	**1**		
2005	Date/time/period function code qualifier	M		an..3	3 = invoice date
2380	Date/time/period value	M		an..35	date according to qualifier
2379	Date/time/period format code	M		an..3	"102" = YYYYMMDD

Example: DTM+3:20031124:102'

Segmentgroup: 1 (O)

FTX	Free text	O	99		
Function:	Free text				
4451	TEXT SUBJECT CODE QUALIFIER	M	1	an..3	AAI = general information
4453	TEXT FUNCTION, CODED	O	1	an..3	
C107	**TEXT REFERENCE**	**O**	**1**		
4441	Free text value code	M		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
C108	**TEXT LITERAL**	**O**	**1**		
4440	Free text value	M		an..512	additonal text
4440	Free text value	O		an..512	additonal text
4440	Free text value	O		an..512	additonal text
4440	Free text value	O		an..512	additonal text
4440	Free text value	O		an..512	additonal text
3453	LANGUAGE NAME CODE	O	1	an..3	DE = German EN = English FR = French
4447	TEXT FORMATTING, CODED	O	1	an..3	

Example: FTX+AAI+++text'

Segment Group 2 (M)

NAD	Name and address	M	99		
Function:	To specify the name/address and their related function				
3035	PARTY FUNCTION CODE QUALIFIER	M	1	an..3	BY = buyer CA = carrier CN = consignee (ship to) PK = contact party PR = payer SU = supplier RE = party to receive invoice II = Issuer of invoice
C082	**PARTY IDENTIFICATION DETAILS**	**O**	**1**		
3039	Party identifier	M		an..35	party identification
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
C058	**NAME AND ADDRESS**	**O**	**1**		
3124	Name and address line	M		an..35	
3124	Name and address line	O		an..35	
3124	Name and address line	O		an..35	
3124	Name and address line	O		an..35	
3124	Name and address line	O		an..35	
C080	**PARTY NAME**	**O**	**1**		
3036	Party name	M		an..35	name1
3036	Party name	O		an..35	name2
3036	Party name	O		an..35	name3
3036	Party name	O		an..35	name4
3036	Party name	O		an..35	
3045	Party name format code	O		an..3	
C059	**STREET**	**O**	**1**		
3042	Street and number/p.o. box	M		an..35	street an number or P.O. box
3042	Street and number/p.o. box	O		an..35	street an number or P.O. box
3042	Street and number/p.o. box	O		an..35	P.O. box
3042	Street and number/p.o. box	O		an..35	
3164	CITY NAME	O	1	an..35	city
C819	**COUNTRY SUB-ENTITY DETAILS**	**O**	**1**		
3229	Country sub-entity name code	O		an..9	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
3228	Country sub-entity name	O		an..35	
3251	POSTAL IDENTIFICATION CODE	O	1	an..17	postcode identification
3207	COUNTRY NAME CODE	M	1	an..3	DE = German EN = English FR = French (other ISO-Codes can be agreed)

Example: NAD+SU+17000001++BRI LOHR:BOSCH REXROTH AG+ZUM EISENGIESSER 1+LOHR++97816+DE'

Segment Group: 2 (O)

LOC	Place/location identification	O	99		
Function:	To identify a place or a location				
3227	LOCATION FUNCTION CODE QUALIFIER	M	1	an..3	7 = Place of delivery
C517	**LOCATION IDENTIFICATION**	**O**	**1**		
3225	Location name code	M		an..25	Place of delivery - identification
C519	**RELATED LOCATION ONE IDENTIFICATION**	**O**	**1**		
3223	Related place/location one identification	O		an..25	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	M		an..3	92 = assigned by buyer
3222	Related place/location one	O		an..70	
C553	**RELATED LOCATION TWO IDENTIFICATION**	**O**	**1**		
3233	Related place/location two identification	O		an..25	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
3232	Related place/location two	O		an..70	
5479	RELATION, CODED	O	1	an..3	

Example: LOC+7+451+::92

Segment Group: 2 (O)

FII	Financial institution information	O	5		
Function: To identify an account and a related financial institution.					
3035	Party qualifier	M	1	an..3	II = Issuer of invoice
C087	**Identification of an account holder**	**M**	**1**		
3194	Account holder number	M		an..35	
3192	Account holder name	M		an..35	
3192	Account holder name	O		an..35	
6345	Currency, coded	O		an..3	
C088	**Identification of a financial institution**	**M**	**1**		
3433	Code identifying an institution	M		an..11	
1131	Code list identification code	O		an..3	
3055	Institution branch number	O		an..3	
3434	Related place/location one	O		an..17	
1131	Code list qualifier	O		an..3	
3055	Code list respondsible agancy, coded	O		an..3	
3432	Institution name	O		an..70	
3436	Institution branch place	O		an..70	DE = German
3207	Country, code	M	1	an..3	

Example: FII+II+1234567:BOSCH REXROTH AG+123456::::::EXAMLPLE BANK:DE'

Segment Group: 2 (O)

Segment Group: 5 (O)

CTA	Contact information	M	1		
Function: To identify a person or a department					
3139	CONTACT FUNCTION CODE	M	1	an..3	IC = Information contact
C056	**DEPARTMENT OR EMPLOYEE DETAILS**	**M**	**1**		
3413	Department or employee identification	M		an..17	name or identification
3412	Department or employee	O		an..35	

Example: CTA+IC+Meier'

Segment Group: 2 (O)

Segment Group: 5 (O)

COM	Communication contact	O	5		
Function: To identify a communication number					
C076	**COMMUNICATION CONTACT**	**M**	**3**		
3148	Communication number	M		an..512	Phone Fax E-Mail
3155	Communication number code qualifier	M		an..3	FX = fax TE = telephone EM = electronic mail

Example: COM+edi.admin@boschrexroth.de:EM'

Segment Group: 6 (M)

TAX	Duty/tax/fee details	M	1		
Function:	To specify relevant duty/tax/fee information.				
5283	Duty/tax/fee function qualifier	M	1	an..3	7 = TAX
C241	**DUTY/TAX/FEE TYPE**	**O**	**1**		
5153	Duty/tax/fee type name code	O		an..3	VAT = Value added tax
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5152	Duty/tax/fee type name	O		an..35	
C533	**DUTY/TAX/FEE ACCOUNT DETAIL**	**O**	**1**		
5289	Duty/tax/fee account identification	M		an..6	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5286	UTY/TAX/FEE ASSESSMENT BASIS	O	1	an..15	
C243	**DUTY/TAX/FEE DETAIL**	**O**	**1**		
5279	Duty/tax/fee rate identification	O		an..7	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5278	Duty/tax/fee rate	O		an..17	tax rate
5273	Duty/tax/fee rate basis identification	O		an..12	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5305	DUTY/TAX/FEE CATEGORY, CODED	O	1	an..3	
3446	PARTY TAX IDENTIFICATION NUMBER	O	1	an..20	
6341	EXCHANGE RATE CURR. MARKET IDENTIFIER	O	1	an..3	

Example: TAX+7+VAT+++:::0'

Segment Group: 7 (O)

CUX	Currencies	M	1		
Function:	To specify currencies used in the transaction				
C504	**CURRENCY DETAILS**	**O**	**1**		
6347	Currency details qualifier	M		an..3	1 = Charge payment currency
6345	Currency identification code	M		an..3	EUR = Euro (all ISO-codes can be used)
6343	Currency qualifier	M		an..3	4 = Invoicing currency
6348	Currency rate base	O		n..4	
C504	**CURRENCY DETAILS**	**O**	**1**		
6347	Currency details qualifier	M		an..3	
6345	Currency identification code	O		an..3	
6343	Currency qualifier	O		an..3	
6348	Currency rate base	O		n..4	
5402	RATE OF EXCHANGE	O	1	n..12	
6341	EXCHANGE RATE CURR. MARKET IDENTIFIER	O	1	an..3	

Example: CUX+1:EUR:4'

Segment Group 9 (M)

TDT	Details of transport	O	1		
Function:	To specify the transport details				
8051	TRANSPORT STAGE CODE QUALIFIER	M	1	an..3	"XX" - fix value
8028	CONVEYANCE REFERENCE NUMBER	O	1	an..17	
C220	**MODE OF TRANSPORT**	**O**	**1**		
8067	Transport mode name code	M		an..3	1 = seafreight 2 = train 3 = truck 4 = airfreight 5 = mail 9 = express
8066	Transport mode name	M		an..17	transport mode - short text
C228	**TRANSPORT MEANS**	**O**	**1**		
8179	Transport means description code	O		an..8	
8178	Transport means description	O		an..17	
C040	**CARRIER**	**O**	**1**		
3127	Carrier identification	O		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
3128	Carrier name	O		an..35	
8101	TRANSIT DIRECTION INDICATOR CODE	O	1	an..3	
C401	**EXCESS TRANSPORTATION INFORMATION**	**O**	**1**		
8457	Excess transportation reason, coded	M		an..3	
8459	Excess transportation responsibility,				
	coded	M		an..3	
7130	Customer authorization number	O		an..17	
C222	**TRANSPORT IDENTIFICATION**	**O**	**1**		
8213	Transport means identification name				
	identifier	O		an..9	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
8212	Transport means identification name	O		an..35	
8453	Nationality of means of transport, coded	O		an..3	

Example: TDT+XX++01:seafreight'

Segment Group: 26 (M)

LIN	Line item	M	9999		
Function:	To identify a line item and configuration				
1082	LINE ITEM NUMBER	M	1	an..6	line item number
1229	ACTION DESCRIPTION CODE	M	1	an..3	1 = new
C212	**ITEM NUMBER IDENTIFICATION**	**O**	**1**		
7140	Item number	M		an..35	customers article number
7143	Item type identification code	M		an..3	BP = buyers part number
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
C829	**SUB-LINE INFORMATION**	**O**	**1**		
5495	Sub-line indicator, coded	O		an..3	
1082	Line item number	O		an..6	
1222	CONFIGURATION LEVEL	O	1	n..2	
7083	CONFIGURATION, CODED	O	1	an..3	

Example: LIN+10+1+R902433711:BP'

Segment Group: 26 (M)

PIA	Additional product id	O	25		
Function:	To specify additional or substitutional item identification codes				
4347	PRODUCT ID. FUNCTION QUALIFIER	M	1	an..3	5 = product identification
C212	**ITEM NUMBER IDENTIFICATION**	**M**	**1**		
7140	Item number	M		an..35	material number (vendor)
7143	Item type identification code	M		an..3	SA = suppliers article CV = Customs article number
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
C212	**ITEM NUMBER IDENTIFICATION**	**O**	**1**		
7140	Item number	O		an..35	
7143	Item type identification code	O		an..3	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
C212	**ITEM NUMBER IDENTIFICATION**	**O**	**1**		
7140	Item number	O		an..35	
7143	Item type identification code	O		an..3	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	

C212	ITEM NUMBER IDENTIFICATION	O	1		
7140	Item number	O		an..35	
7143	Item type identification code	O		an..3	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
C212	ITEM NUMBER IDENTIFICATION	O	1		
7140	Item number	O		an..35	
7143	Item type identification code	O		an..3	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	

Example: PIA+5+02433711:SA'

Segment Group: 26 (M)

IMD	Item description	O	99		
Function: To describe an item					
7077	ITEM DESCRIPTION TYPE, CODED	M	1	an..3	F = free text
C272	**ITEM CHARACTERISTIC**	**M**	**1**		
7081	Item characteristic code	M		an..3	8 = product
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	M		an..3	91 = assigned by seller 92 = assigned by customer
C273	**ITEM DESCRIPTION**	**O**	**1**		
7009	Item description identification	O		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
7008	Item description	O		an..256	material description - short text
7008	Item description	O		an..256	material description - short text
3453	Language name code	O		an..3	
7383	SURFACE/LAYER CODE	O	1	an..3	

Example: IMD+F+8+::91:P A4VSG 71 HS3K /10R-PPB10H029F'

Segment Group: 26 (M)

QTY	Quantity	M	99		
Function: To specify a quantity					
C186	**QUANTITY DETAILS**	**M**	**1**		
6063	Quantity type code qualifier	M		an..3	47 = Invoiced quantity
6060	Quantity	M		an..35	
6411	Measurement unit code	M		an..3	CMT = centimeter GRM = gram LTR = litre MTR = metre MLT = millimetre NMP = package NPL = parcel PCE = piece BAR = plate KGM = kilogram

Example: QTY+47:1:PCE'

Segment Group: 26 (M)

PCD	PERCENTAGE DETAILS	O	1		
Function:	To specify percentage information.				
C501	**PERCENTAGE DETAILS**	**M**	**1**		
5245	Percentage type code qualifier	M		an..3	12 = Discount
5482	Percentage	O		n..10	
5249	Percentage basis identification code	O		an..3	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	

Example: PCD+12:52.66'

Segment Group: 26 (M)

DTM	Date / Time / Period	O	35		
Function: To specify date, and/or time, or period.					
C507	**DATE/TIME/PERIOD**	**M**	**1**		
2005	Date/time/period function code qualifier	M		an..3	3 = invoic date
2380	Date/time/period value	M		an..35	
2379	Date/time/period format code	M		an..3	"102" = YYYYMMDD

Example: DTM+2:20030902:102'

Segment Group: 26 (M)

FTX	Free text	O	99		
Function:	Free text				
4451	TEXT SUBJECT CODE QUALIFIER	M	1	an..3	LIN = line item text
4453	TEXT FUNCTION, CODED	M	1	an..3	1 = Text for subsequent use
C107	**TEXT REFERENCE**	**O**	**1**		
4441	Free text value code	M		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
C108	**TEXT LITERAL**	**O**	**1**		
4440	Free text value	M		an..512	additonal text
4440	Free text value	O		an..512	additonal text
4440	Free text value	O		an..512	additonal text
4440	Free text value	O		an..512	additonal text
4440	Free text value	O		an..512	additonal text
3453	LANGUAGE NAME CODE SAP-Source: E1EDKT1.TSSPRAS_ISO	M	1	an..3	DE = German EN = English FR = French (other ISO-Codes agreeable)
4447	TEXT FORMATTING, CODED	O	1	an..3	

Example: FTX+LIN+1+F01+some line item text+DE'

Segment Group: 26 (M)

Segment Group: 27 (M)

MOA	MONETARY AMOUNT	M	1		
Function: To specify a monetary amount.					
C516	**MONETARY AMOUNT**	**M**	**1**		
5025	Monetary amount type code qualifier	M		an..3	203 = Line item amount
5004	Monetary amount value	O		n..35	
6345	Currency identification code	O		an..3	
6343	Currency qualifier	O		an..3	
4405	Status description code	O		an..3	

Example: MOA+203:123.45'

Segment Group: 26 (M)

Segment Group: 29 (O)

PRI	Price details	O	1		
Function: To specify price information.					
C509	**PRICE INFORMATION**	**M**	**1**		
5125	Price qualifier	M		an..3	AAA = net price
5118	Price	M		n..15	
5375	Price type, coded	O		an..3	
5387	Price specification code	M		an..3	NTP = net unit price
5284	Unit price basis	O		n..9	
6411	Measurement unit code	O		an..3	
5213	SUB-LINE PRICE CHANGE, CODED	O	1	an..3	

Example: PRI+AAA:4342.84::NTP'

Segment Group: 26 (M)

Segment Group: 30 (M)

RFF	Reference	M	10		
Function: To specify a reference.					
C506	**REFERENCE**	**M**	**1**		
1153	Reference function code qualifier	M		an..3	CO = buyers order number DQ = delivery note number VN = order number (vendor)
1154	Reference identifier	M		an..35	offer number, shipment ref., ...
1156	Line number	M		an..6	
4000	Reference version identifier	O		an..35	
1060	Revision number	O		an..6	

Example: RFF+CO:10258:00010'

Segment Group: 26 (M)

Segment Group: 30 (O)

DTM	Date / Time / Period	O	5		
Function: To specify date, and/or time, or period.					
C507	**DATE/TIME/PERIOD**	**M**	**1**		
2005	Date/time/period function code qualifier	M		an..3	137 = document message date
2380	Date/time/period value	M		an..35	
2379	Date/time/period format code	M		an..3	"102" = YYYYMMDD

Example: DTM+137:20030902:102'

Segment Group: 26 (M)

Segment Group: 34 (M)

TAX	Duty/tax/fee details	M	1		
Function:	To specify relevant duty/tax/fee information.				
5283	Duty/tax/fee function qualifier	M	1	an..3	7 = TAX
C241	**DUTY/TAX/FEE TYPE**	**O**	**1**		
5153	Duty/tax/fee type name code	O		an..3	VAT = Value added tax
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5152	Duty/tax/fee type name	O		an..35	
C533	**DUTY/TAX/FEE ACCOUNT DETAIL**	**O**	**1**		
5289	Duty/tax/fee account identification	M		an..6	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5286	UTY/TAX/FEE ASSESSMENT BASIS	O	1	an..15	
C243	**DUTY/TAX/FEE DETAIL**	**O**	**1**		
5279	Duty/tax/fee rate identification	O		an..7	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5278	Duty/tax/fee rate	O		an..17	tax rate
5273	Duty/tax/fee rate basis identification	O		an..12	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
5305	DUTY/TAX/FEE CATEGORY, CODED	O	1	an..3	
3446	PARTY TAX IDENTIFICATION NUMBER	O	1	an..20	TAX IDENTIFICATION NUMBER
6341	EXCHANGE RATE CURR. MARKET IDENTIFIER	O	1	an..3	

Example: TAX+7+VAT+++:::0'

UNS	Section control	M	1		
Function:	Section Control				
0081	Section identification	M	1	1	S = detail/summary separation

Example: UNS+S'

CNT	CONTROL TOTAL	M	1		
Function:	To provide control total.				
C270	**CONTROL**	**M**	**1**		
6069	Control total type code qualifier	M		an..3	2 = Number of line items in message
6066	Control value	M		n..18	
6411	Measurement unit code	C		an..3	

Example: CNT+2:1'

Segment Group: 50 (M)

MOA	Monetary amount	M	99		
Function:	Monetary amount				
C516	**MONETARY AMOUNT**	**M**	**1**		
5025	Monetary amount type code qualifier	M		an..3	39 = document amount 64 = Freight charge 106 = Packing cost 129 = Total amount subject to payment discount 170 = Document amount (net) 124 = Tax amount
5004	Monetary amount value	M		n..35	amount
6345	Currency identification code	O		an..3	
6343	Currency qualifier	O		an..3	
4405	Status description code	O		an..3	

Example: MOA+170:4342.84'

UNT	Message trailer	M	1		
Function:	To end and check the completeness of a message				
0074	NUMBER OF SEGMENTS IN THE MESSAGE	M	1	n..6	number of segments
0062	MESSAGE REFERECNCE NUMBER	M	1	an..14	message reference (like UNH)

Example: UNT+76+00002406000001'

UNZ	Interchange trailer	M	1		
Function:	To end and check the completeness of an interchange				
0036	INTERCHANGE CONTROL COUNT	M	1	n..6	The count of the number of messages
0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14	identical to 0020 in UNB

Example: UNZ+2+2406'