

Knorr-Bremse Message Implementation Guideline

INVOIC D07A – Global Invoice (VDA 4938)

Subject:	EDI Message Implementation Guideline – INVOIC D07A	02
		Version
Valid for:	External Suppliers of Knorr-Bremse	10.02.2021
	Divisions	Valid from
Created by:	Knorr-Bremse EDI Team	I / DIB4

Change History

Version	Author	Changes
01 – 08.05.2019	KB	Initial Release
02 – 10.02.2021	PR	UNB 0102 (0002) – Use syntax version 4 DTM+137 segment – 2379 should be “102” MOA+77 segments – added

INVOIC

 Invoice message

HEADER

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	M	1	10	UNB	Interchange header
Must Use	M	1	20	UNH	Message header
Must Use	M	1	30	BGM	380 = COMMERCIAL INVOICE
Must Use	M	1	40	DTM	137 = TRANSMISSION DATE / TIME
Recomm.	M	1	50	DTM	13 = DOCUMENT DUE DATE
LOOP ID - SG2_BY MAX: 1					
Must Use	M	1	70	NAD	BY = Sold-to
LOOP ID - SG3 MAX: 5					
Must Use	C	1	90	RFF	VA = VAT number
LOOP ID - SG2_SE MAX: 1					
Must Use	M	1	110	NAD	SE = Seller details
LOOP ID - SG3_RFF MAX: 1					
Must Use	C	1	130	RFF	VA = VAT Number
LOOP ID - SG3_RFF MAX: 1					
Must Use	C	1	150	RFF	ADE = IBAN number
LOOP ID - SG2_ST MAX: 1					
Must Use	M	1	170	NAD	ST = Ship-to details
LOOP ID - SG7_CUX_DTM MAX: 1					
Must Use	C	1	190	CUX	CURRENCIES
Recomm.	C	1	200	DTM	134 = DATE OF CURRENCY EXCHANGE RATE
LOOP ID - SG8_PYT_FII MAX: 1					
Recomm.	C	1	220	PYT	PAYMENT TERMS
Recomm.	C	1	230	FII	FINANCIAL INSTITUTION INFORMATION

ITEMS

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
LOOP ID - SG26 MAX: 999					
Must Use	C	1	250	LIN	LINE ITEM IDENTIFIER
Recomm.	C	1	260	PIA	1 = ADDITIONAL PRODUCT ID
Recomm.	C	1	270	IMD	ITEM DESCRIPTION
Must Use	C	1	280	QTY	47 = INVOICED QUANTITY
LOOP ID - SG27 MAX: 1					
Must Use	C	1	300	MOA	38 = INVOICE ITEM AMOUNT

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	C	1	320	LOOP ID - SG29_PRICE DETAILS MAX: 1	
				PRI	AAB = GROSS PRICE
Must Use	C	1	340	LOOP ID - SG30_DELIVERY NOTE DETAILS MAX: 1	
				RFF	AAU = DELIVERY NOTE NUMBER
Must Use	C	1	350	DTM	171 = DELIVERY DATE
Must Use	C	1	370	LOOP ID - SG30_PURCHASING DOC. DETAILS MAX: 1	
				RFF	ON = PURCHASING DOCUMENT REFERENCE
Must Use	C	1	380	DTM	171 = PURCHASING DOCUMENT DATE
Recomm.	C	1	400	LOOP ID - SG34_VAT RATE DETAILS MAX: 1	
				TAX	7 = VAT RATE
Recomm.	C	1	420	LOOP ID - SG35_UNLOADING POINT DETAILS MAX: 1	
				NAD	ST = SHIP-TO DETAILS ON ITEM LEVEL
Not Rec.	C	1	430	LOC	LOC = LOCATION: KNORR-BREMSE PLANT CODE

SUMMARY

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	M	1	440	UNS	S = SUMMARY
Must Use	C	1	450	CNT	2 = # LINE ITEMS
Must Use	M	1	470	LOOP ID - SG50_GROSS AMOUNT 1 MAX: 1	
				MOA	77 = GROSS AMOUNT 1
Must Use	M	1	490	LOOP ID - SG50_NET AMOUNT 1 MAX: 1	
				MOA	125 = TAXABLE AMOUNT 1
Must Use	M	1	510	LOOP ID - SG50_TAX AMOUNT 1 MAX: 1	
				MOA	176 = TAX AMOUNT 1
Recomm.	M	1	530	LOOP ID - SG50_GROSS AMOUNT 2 MAX: 1	
				MOA	77 = GROSS AMOUNT 2
Recomm.	M	1	550	LOOP ID - SG50_NET AMOUNT 2 MAX: 1	
				MOA	125 = TAXABLE AMOUNT 2
Recomm.	M	1	570	LOOP ID - SG50_TAX AMOUNT 2 MAX: 1	
				MOA	176 = TAX AMOUNT 2
Must Use	C	1	590	LOOP ID - SG52 MAX: 1	
				TAX	7 = VAT RATE
				MOA	124 = TAX AMOUNT
Must Use	C	1	600	MOA	125 = TAXABLE AMOUNT
Must Use	M	1	620	UNT	Message trailer
Must Use	M	1	630	UNZ	Interchange trailer

UNB**UNB ° Interchange header**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0010
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		S001	Syntax identifier			
	M	UNB0101	S001/0001	Syntax identifier	A	4	4
				UNOC UN/ECE level C			
	M	UNB0102	S001/0002	Syntax version number	AN	1	1
				4 Version 4			
	M	UNB02	S002	Interchange sender			
	M	UNB0201	S002/0004	Interchange sender identification	AN	1	35
				Level 1 Note: SFID of the sender. If other protocol than OFTP2 is used, the code to be agreed with Knorr-Bremse EDI team			
	M	UNB03	S003	Interchange recipient			
	M	UNB0301	S003/0010	Recipient identification	AN	1	35
				Level 1 Note: SFID of Knorr-Bremse location - to be defined by Knorr-Bremse EDI Team			
	M	UNB04	S004	Date and time of preparation			
	M	UNB0401	S004/0017	Date	N	8	8
				Level 1 Note: Date in CCYYMMDD of the EDI transmission			
	M	UNB0402	S004/0019	Time	N	4	4
				Level 1 Note: Time in HHMM of the EDI transmission			
	M	UNB05	0020	Interchange control reference	AN	1	14
				Level 1 Note: Unique reference of the interchange. This value should be repeated in UNZ 02 0020			

Set Note: UNB+UNOC:4+SUPPLIERS_ID+O0031330KNORBGER+20180926:0730+1'

UNH**UNH ° Message header**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0020
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	UNH01	0062	Message reference number	AN	1	14
Level 1 Note: To be repeated in UNT 02 0062							
	M	UNH02	S009	Message identifier			
	M	UNH0201	S009/0065	Message type identifier	AN	1	6
				INVOIC Invoice message			
	M	UNH0202	S009/0052	Message version number	AN	1	3
				D Draft version/UN/EDIFACT Directory			
	M	UNH0203	S009/0054	Message release number	AN	1	3
				07A Release 2007 - A			
	M	UNH0204	S009/0051	Controlling agency	AN	1	3
				UN UN/CEFACT			

Set Note: UNH+1+INVOIC:D:07A:UN'

BGM**BGM ° 380 = COMMERCIAL INVOICE**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0030
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C		C002	Document/message name			
	C	BGM0101	C002/1001	Document/message name, coded	AN	1	3
				380 Commercial invoice			
	C	BGM0102	C002/1131	Code list qualifier	AN	1	17
	C	BGM0103	C002/3055	Code list responsible agency, coded	AN	1	3
				272 Joint Automotive Industry agency			
	C	BGM0104	C002/1000	Document/message name	AN	1	35
				Level 1 Note: "INVOIC"			
	C	BGM02	C106	Document/message identification			
	C	BGM0201	C106/1004	Document/message number	AN	1	35
				Level 1 Note: Invoice number to be sent in this element			
	C	BGM03	1225	Message function, coded	AN	1	3
				9 Original			

Set Note: BGM+380::272:INVOIC+81454518+9'

DTM**DTM ° 137 = TRANSMISSION DATE / TIME**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0040
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C507	Date/time/period			
	M	DTM0101	C507/2005	Date/time/period qualifier	AN	1	3
			Level 1 Note: 137 - Transmission Date / Time				
			137	Document/message date/time			
	C	DTM0102	C507/2380	Date/time/period	AN	1	35
			Level 1 Note: Transmission date and time as CCYYMMDD to be sent in this element				
	C	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
			Level 1 Note: Use code "102" in this element				
			102	CCYYMMDD			

Set Note: DTM+137:20180925:102'

DTM**DTM ° 13 = DOCUMENT DUE DATE**

User Req: RECOMMENDED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0050
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C507	Date/time/period			
	M	DTM0101	C507/2005	Date/time/period qualifier	AN	1	3
			Level 1 Note: 13 - Invoice Due Date				
			13	Terms net due date			
	C	DTM0102	C507/2380	Date/time/period	AN	1	35
			Level 1 Note: Invoice due date as CCYYMMDD to be sent here				
	C	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
			Level 1 Note: Use code "102" in this element				
			102	CCYYMMDD			

Set Note: DTM+13:20181124:102'

NAD**NAD ° BY = Sold-to**

User Req: MUST USE
Table/Area: 1
Loop: SG2_BY
Loop Section: NAD
Position: 0070
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	NAD01	3035	Party qualifier	AN	1	3
				BY	NAD+BY = Sold-to details		
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
				Level 1 Note: The ID of Knorr-Bremse assigned by supplier			
	C	NAD0203	C082/3055	Code list responsible agency, coded	AN	1	3
				Level 1 Note: 91 = code assigned by supplier			
				91	Assigned by seller or seller's agent		
	C	NAD03	C058	Name and address			
	M	NAD0301	C058/3124	Name and address line	AN	1	35
	C	NAD0302	C058/3124	Name and address line	AN	1	35
	C	NAD04	C080	Party name			
	M	NAD0401	C080/3036	Party name	AN	1	35
	C	NAD0402	C080/3036	Party name	AN	1	35
	C	NAD05	C059	Street			
	M	NAD0501	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0502	C059/3042	Street and number/p.o. box	AN	1	35
Must Use	C	NAD06	3164	City name	AN	1	35
Must Use	C	NAD07	3251	Postcode identification	AN	1	17
Must Use	C	NAD08	3207	Country, coded	AN	1	3
				Level 1 Note: ISO country code			

Level 1 Note: NAD+BY+11430::91++Knorr-Bremse Systeme für:Nutzfahrzeuge GmbH+Knorrstrasse 1+Aldersbach++94501+DE'

RFF**RFF ° VA = VAT number**

User Req: MUST USE
Table/Area: 1
Loop: SG3
Loop Section: NAD;RFF
Position: 0090
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C506	Reference			
	M	RFF0101	C506/1153	Reference qualifier	AN	1	3
			Level 1 Note: VA = VAT ID				
			VA	VAT registration number			
	C	RFF0102	C506/1154	Reference number	AN	1	70
			Level 1 Note: VAT ID of the respective Knorr-Bremse entity to be provided in this field				

Set Note: RFF+VA:DE157691980'

NAD**NAD ° SE = Seller details**

User Req: MUST USE
Table/Area: 1
Loop: SG2_SE
Loop Section: NAD
Position: 0110
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	NAD01	3035	Party qualifier	AN	1	3
				SE	NAD+SE = Seller (Supplier) details		
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
				Level 1 Note: Supplier number: SAP number assigned by Knorr-Bremse to supplier			
	C	NAD0203	C082/3055	Code list responsible agency, coded	AN	1	3
				92	Assigned by buyer or buyer's agent		
	C	NAD03	C058	Name and address			
	M	NAD0301	C058/3124	Name and address line	AN	1	35
	C	NAD0302	C058/3124	Name and address line	AN	1	35
	C	NAD04	C080	Party name			
	M	NAD0401	C080/3036	Party name	AN	1	35
	C	NAD0402	C080/3036	Party name	AN	1	35
	C	NAD05	C059	Street			
	M	NAD0501	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0502	C059/3042	Street and number/p.o. box	AN	1	35
Must Use	C	NAD06	3164	City name	AN	1	35
Must Use	C	NAD07	3251	Postcode identification	AN	1	17
Must Use	C	NAD08	3207	Country, coded	AN	1	3

Set Note: NAD+SE+999999::92++Supplier Name+Supplier Street 1+Supplier City++ZIP+DE'

RFF**RFF ° VA = VAT Number**

User Req: MUST USE
Table/Area: 1
Loop: SG3_RFF
Loop Section: NAD;RFF
Position: 0130
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C506	Reference			
	M	RFF0101	C506/1153	Reference qualifier	AN	1	3
			Level 1 Note: VA = VAT ID of the supplier				
			VA	VAT registration number			
	C	RFF0102	C506/1154	Reference number	AN	1	70
			Level 1 Note: The VAT registration number of the supplier to be provided in this field				

Set Note: RFF+VA:HU11111111'

RFF**RFF ° ADE = IBAN number**

User Req: MUST USE
Table/Area: 1
Loop: SG3_RFF
Loop Section: NAD;RFF
Position: 0150
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C506	Reference			
	M	RFF0101	C506/1153	Reference qualifier	AN	1	3
			Level 1 Note: ADE = bank account number				
			ADE	Account number			
	C	RFF0102	C506/1154	Reference number	AN	1	70
			Level 1 Note: IBAN code of the supplier to be provided in this field to which the payment should go to				

Set Note: RFF+ADE:DE3260070070xxxxxxxxxx'

NAD**NAD ° ST = Ship-to details**

User Req: MUST USE
Table/Area: 1
Loop: SG2_ST
Loop Section: NAD
Position: 0170
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	NAD01	3035	Party qualifier	AN	1	3
				ST	NAD+ST = Ship-to details		
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
				Level 1 Note: Code given by supplier to Knorr-Bremse ship-to location			
	C	NAD0203	C082/3055	Code list responsible agency, coded	AN	1	3
				91	Assigned by seller or seller's agent		
	C	NAD03	C058	Name and address			
	M	NAD0301	C058/3124	Name and address line	AN	1	35
	C	NAD0302	C058/3124	Name and address line	AN	1	35
	C	NAD04	C080	Party name			
	M	NAD0401	C080/3036	Party name	AN	1	35
	C	NAD0402	C080/3036	Party name	AN	1	35
	C	NAD05	C059	Street			
	M	NAD0501	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0502	C059/3042	Street and number/p.o. box	AN	1	35
Must Use	C	NAD06	3164	City name	AN	1	35
				Level 1 Note: City name of ship-to			
Must Use	C	NAD07	3251	Postcode identification	AN	1	17
				Level 1 Note: ZIP code of ship-to			
Must Use	C	NAD08	3207	Country, coded	AN	1	3
				Level 1 Note: ISO country code of ship-to			

Set Note: NAD+ST+777777::91++Knorr-Bremse Systeme für:Nutzfahrzeuge GmbH+Knorrstrasse 1+Aldersbach++94501+DE'

CUX**CUX ° CURRENCIES**

User Req: MUST USE
Table/Area: 1
Loop: SG7_CUX_DTM
Loop Section: CUX
Position: 0190
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C		C504	Currency details			
	M	CUX0101	C504/6347	Currency details qualifier	AN	1	3
			Level 1 Note: 1 = Charge payment currency				
			1	Charge payment currency			
	C	CUX0102	C504/6345	Currency, coded	AN	1	3
			Level 1 Note: Provide the currency ID as ISO code, e.g. EUR, USD				
	C	CUX0103	C504/6343	Currency qualifier	AN	1	3
			Level 1 Note: 4 = Invoicing currency				
			4	Invoicing currency			
	C	CUX02	C504	Currency details			
	M	CUX0201	C504/6347	Currency details qualifier	AN	1	3
			Level 1 Note: 6 = Information currency				
			6	Information Currency			
	C	CUX0202	C504/6345	Currency, coded	AN	1	3
			Level 1 Note: Provide the currency ID as ISO code, e.g. EUR, USD				
	C	CUX0203	C504/6343	Currency qualifier	AN	1	3
			Level 1 Note: 3 = Home currency				
			3	Home currency			

Set Note: CUX+1:EUR:4+6:HUF:3'

DTM**DTM ° 134 = DATE OF CURRENCY EXCHANGE RATE**

User Req: RECOMMENDED
Table/Area: 1
Loop: SG7_CUX_DTM
Loop Section: CUX
Position: 0200
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C507	Date/time/period			
	M	DTM0101	C507/2005	Date/time/period qualifier	AN	1	3
			Level 1 Note: 134 = Date of rate exchange				
			134	Rate of exchange date/time			
	C	DTM0102	C507/2380	Date/time/period	AN	1	35
			Level 1 Note: The date of calculation from home currency into invoice currency can be provided in this field				
	C	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
			Level 1 Note: 102 = Date format CCYYMMDD				
			102	CCYYMMDD			

Set Note: DTM+134:20180925:102'

PYT**PYT ° PAYMENT TERMS**

User Req: RECOMMENDED
Table/Area: 1
Loop: SG8_PYT_FII
Loop Section: PYT
Position: 0220
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	PYT01	4279	Payment terms type qualifier	AN	1	3
				Level 1 Note: 1 = Payment conditions normally applied			
				1	Basic		
	C	PYT03	2475	Payment time reference, coded	AN	1	3
				Level 1 Note: 5 = Payment time reference is date of invoice			
				5	Date of invoice		
	C	PYT04	2009	Time relation, coded	AN	1	3
				Level 1 Note: 3 = Payment terms related to time after reference date			
				3	After reference		
	C	PYT05	2151	Type of period, coded	AN	1	3
				D	Day		
	C	PYT06	2152	Number of periods	N	1	3
				Level 1 Note: Number of periods chosen in the element 2151 to be provided here. If 2151 has a value "D" and 2152 has a value "60", combination of these two elements will read as "60 days"			

Set Note: PYT+1++5+3+D+60'

FII**FII ° FINANCIAL INSTITUTION INFORMATION**

User Req: RECOMMENDED
Table/Area: 1
Loop: SG8_PYT_FII
Loop Section: PYT
Position: 0230
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	FII01	3035	Party qualifier	AN	1	3
				RH	RH = Seller's bank details, extended		
	C	FII02	C078	Account holder identification			
	C	FII0201	C078/3194	Account holder identifier	AN	1	35
				Level 1 Note:	IBAN code of the payment receiver		
	C	FII0202	C078/3192	Account holder name	AN	1	35
				Level 1 Note:	Name of the payment receiver		
	C	FII03	C088	Institution identification			
	C	FII0301	C088/3433	Institution name identification	AN	1	11
				Level 1 Note:	BIC - Bank identification code within SWIFT		
	C	FII0307	C088/3432	Institution name	AN	1	70
				Level 1 Note:	Bank name		
	C	FII0308	C088/3436	Institution branch place	AN	1	70
				Level 1 Note:	Bank location - city name		

Set Note: FII+RH+DE3260070070xxxxxxxx:Account holder name+60070070:DEUTSCHE BANK AG:STUTTGART'

LIN**LIN** ◦ **LINE ITEM IDENTIFIER**

User Req: MUST USE
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 0250
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	LIN01	1082	Line item number	AN	1	6
				Level 1 Note: Line item counter within one message. Start with "1", increment by 1 for each new Line Item Group (SG26)			
	C	LIN03	C212	Item number identification			
	C	LIN0301	C212/7140	Item number	AN	1	35
				Level 1 Note: The item number allocated by the buyer (Knorr-Bremse)			
	C	LIN0302	C212/7143	Item number type, coded	AN	1	3
				IN	Buyer's item number		

Set Note: LIN+1+++0486106135N04:IN'

PIA**PIA ° 1 = ADDITIONAL PRODUCT ID**

User Req: RECOMMENDED
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 0260
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	PIA01	4347	Product id. function qualifier	AN	1	3
				1 Additional identification			
	M	PIA02	C212	Item number identification			
	C	PIA0201	C212/7140	Item number	AN	1	35
				Level 1 Note: Number assigned to an article by the supplier of that article			
	C	PIA0202	C212/7143	Item number type, coded	AN	1	3
				SA Supplier's article number			

Set Note: PIA+1+0123456789KG:SA'

IMD**IMD ° ITEM DESCRIPTION**

User Req: RECOMMENDED
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 0270
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C		C273	Item description			
	C	IMD0304	C273/7008	Item description	AN	1	256
				Level 1 Note: ARTICLE DESCRIPTION AS AN ADDITIONAL ITEM IDENTIFICATION			

Set Note: IMD+++:::EL-Steuergerät;SG LK51 MA'

QTY**QTY ° 47 = INVOICED QUANTITY**

User Req: MUST USE
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 0280
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C186	Quantity details			
	M	QTY0101	C186/6063	Quantity qualifier	AN	1	3
				47	Invoiced quantity		
	M	QTY0102	C186/6060	Quantity	AN	1	35
				Level 1 Note: Quantity of the article specified under LIN which was delivered and is to be paid			
	C	QTY0103	C186/6411	Measure unit qualifier	AN	1	8
				Level 1 Note: Use ISO Units (eg: PCE). Check with Knorr-Bremse if unit is not PCE.			

Set Note: QTY+47:288:PCE'

MOA**MOA ° 38 = INVOICE ITEM AMOUNT**

User Req: MUST USE
Table/Area: 2
Loop: SG27
Loop Section: LIN;MOA
Position: 0300
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
			Level 1 Note: Total sum charged in respect of a single Invoice item				
			38	Invoice item amount			
	C	MOA0102	C516/5004	Monetary amount	N	1	35
			Level 1 Note: Two decimal positions allowed. Use dot "." as a decimal separator				
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
			Level 1 Note: Invoice currency, ISO code (EUR, USD etc.)				

Set Note: MOA+38:11131.20:EUR'

PRI**PRI ° AAB = GROSS PRICE**

User Req: MUST USE
Table/Area: 2
Loop: SG29_PRICE DETAILS
Loop Section: LIN;PRI
Position: 0320
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C		C509	Price information			
	M	PRI0101	C509/5125	Price qualifier	AN	1	3
				AAB Calculation gross			
	C	PRI0102	C509/5118	Price	N	1	15
				Level 1 Note: The price stated is the gross price to which allowances/ charges must be applied			
	C	PRI0105	C509/5284	Unit price basis	N	1	9
				Level 1 Note: Specify unit price BASIS - for exmple "1" - price is true for 1 piece; "100" - price is true for 100 pieces			

Set Note: PRI+AAB:3865.00:::100'

RFF**RFF ° AAU = DELIVERY NOTE NUMBER**

User Req: MUST USE
Table/Area: 2
Loop: SG30_DELIVERY NOTE
Loop Section: LIN;RFF
Position: 0340
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C506	Reference			
	M	RFF0101	C506/1153	Reference qualifier	AN	1	3
	C	RFF0102	C506/1154	Reference number	AN	1	70
				Level 1 Note: Delivery note number associated with the invoice item. Should be identical to ASN (if you send VDA 4913 ASN, please truncate delivery note reference in the same way if relevant!)			

Set Note: RFF+AAU:8187172'

DTM**DTM ° 171 = DELIVERY DATE**

User Req: MUST USE
Table/Area: 2
Loop: SG30_DELIVERY NOTE
Loop Section: LIN;RFF
Position: 0350
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C507	Date/time/period			
	M	DTM0101	C507/2005	Date/time/period qualifier	AN	1	3
				171 Reference date/time			
	C	DTM0102	C507/2380	Date/time/period	AN	1	35
			Level 1 Note: Delivery date				
	C	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				102 CCYYMMDD			

Set Note: DTM+171:20180925:102'

RFF**RFF ° ON = PURCHASING DOCUMENT REFERENCE**

User Req: MUST USE
Table/Area: 2
Loop: SG30_PURCHASING DOC
Loop Section: LIN;RFF
Position: 0370
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C506	Reference			
	M	RFF0101	C506/1153	Reference qualifier	AN	1	3
				ON	Order number (purchase)		
	C	RFF0102	C506/1154	Reference number	AN	1	70
			Level 1 Note: Scheduling agreement / purchase order number of buyer (Knorr-Bremse) associated with the current LIN group				

Set Note: RFF+ON:5501100162'

DTM**DTM ° 171 = PURCHASING DOCUMENT DATE**

User Req: MUST USE
Table/Area: 2
Loop: SG30_PURCHASING DOC
Loop Section: LIN;RFF
Position: 0380
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C507	Date/time/period			
	M	DTM0101	C507/2005	Date/time/period qualifier	AN	1	3
				171 Reference date/time			
	C	DTM0102	C507/2380	Date/time/period	AN	1	35
				Level 1 Note: Date of scheduling agreement / purchase order creation			
	C	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				Level 1 Note: Use code "102" and provide the date in a format CCYYMMDD			
				102 CCYYMMDD			

Set Note: DTM+171:20150910:102'

TAX**TAX** ◦ **7 = VAT RATE**

User Req: RECOMMENDED
Table/Area: 2
Loop: SG34_VAT RATE DETAILS
Loop Section: LIN;TAX
Position: 0400
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	TAX01	5283	Duty/tax/fee function qualifier	AN	1	3
				7 Tax			
	C	TAX02	C241	Duty/tax/fee type			
	C	TAX0201	C241/5153	Duty/tax/fee type, coded	AN	1	3
				VAT Value added tax			
	C	TAX05	C243	Duty/tax/fee detail			
	C	TAX0504	C243/5278	Duty/tax/fee rate	AN	1	17
				Level 1 Note: VAT rate applied to the current invoice. No percentage character (%) is required. Please confirm number of decimals with Knorr-Bremse.			
	C	TAX06	5305	Duty/tax/fee category, coded	AN	1	3

Set Note: TAX+7+VAT+++:::0+AAC'

NAD**NAD ° ST = SHIP-TO DETAILS ON ITEM LEVEL**

User Req: RECOMMENDED
Table/Area: 2
Loop: SG35_UNLOAD.POINT DETAILS
Loop Section: LIN;NAD
Position: 0420
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	NAD01	3035	Party qualifier	AN	1	3
			Level 1 Note: NAD+ST = Ship-to details				
			ST	Ship to			
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
			Level 1 Note: Code given by supplier to Knorr-Bremse ship-to location				
	C	NAD0202	C082/1131	Code list qualifier	AN	1	17
	C	NAD0203	C082/3055	Code list responsible agency, coded	AN	1	3
			91	Assigned by seller or seller's agent			
	C	NAD03	C058	Name and address			
	M	NAD0301	C058/3124	Name and address line	AN	1	35
			Level 1 Note: Name and address of ship-to - line 1				
	C	NAD0302	C058/3124	Name and address line	AN	1	35
			Level 1 Note: Name and address of ship-to - line 2				
	C	NAD04	C080	Party name			
	M	NAD0401	C080/3036	Party name	AN	1	35
			Level 1 Note: Ship-to name - line 1				
	C	NAD0402	C080/3036	Party name	AN	1	35
			Level 1 Note: Ship-to name - line 2				
	C	NAD05	C059	Street			
	M	NAD0501	C059/3042	Street and number/p.o. box	AN	1	35
			Level 1 Note: Additional address line of ship-to - line 1				
	C	NAD0502	C059/3042	Street and number/p.o. box	AN	1	35
			Level 1 Note: Additional address line of ship-to - line 2				
	C	NAD06	3164	City name	AN	1	35
			Level 1 Note: City name of ship-to				
	C	NAD07	3251	Postcode identification	AN	1	17
			Level 1 Note: ZIP code of ship-to				
	C	NAD08	3207	Country, coded	AN	1	3
			Level 1 Note: ISO country code of ship-to				

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
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Set Note: NAD+ST+751029::91++Knorr-Bremse Systeme für:Nutzfahrzeuge GmbH+Knorrstrasse
1+Aldersbach++94501+DE'

LOC**LOC ° 11 = KNORR-BREMSE PLANT CODE**

User Req: NOT RECOMMENDED
Table/Area: 2
Loop: SG35_UNLOAD.POINT DETAILS
Loop Section: LIN;NAD
Position: 0430
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	LOC01	3227	Place/location qualifier	AN	1	3
				11 Place/port of discharge			
	C	LOC02	C517	Location identification			
	C	LOC0201	C517/3225	Place/location identification	AN	1	35
			Level 1 Note: Please confirm with Knorr-Bremse which values should be used.				

Set Note: LOC+11+1051'

UNS**UNS ° S = SUMMARY**

User Req: MUST USE
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0440
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	UNS01	0081	Section identification	A	1	1
				Level 1 Note: S = Detail / summary section separation			
				S	Detail/summary section separation		

Set Note: UNS+S'

CNT**CNT ° 2 = # LINE ITEMS**

User Req: MUST USE
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0450
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C270	Control			
	M	CNT0101	C270/6069	Control qualifier	AN	1	3
				2	Number of line items in message		
	M	CNT0102	C270/6066	Control value	N	1	18
			Level 1 Note: Total number of line items in the message, represents the count of LIN groups (SG26)				

Set Note: CNT+2:1'

MOA**MOA ° 77 = GROSS AMOUNT 1**

User Req: MUST USE
Table/Area: 3
Loop: SG50_GROSS AMOUNT 1
Loop Section: MOA
Position: 0470
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				77 Invoice amount			
	C	MOA0102	C516/5004	Monetary amount	N	1	35
				Level 1 Note: Total gross amount in invoicing currency - 2 decimal positions, dot "." as a decimal separator			
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
				Level 1 Note: Invoicing currency - same value as in element CUX/C507/6347_1			

Set Note: MOA+77:11131.20:EUR'

MOA**MOA ° 125 = TAXABLE AMOUNT 1**

User Req: MUST USE
Table/Area: 3
Loop: SG50_NET AMOUNT 1
Loop Section: MOA
Position: 0490
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				125 Taxable amount			
	C	MOA0102	C516/5004	Monetary amount	N	1	35
			Level 1 Note: Total taxable amount in invoicing currency - 2 decimal positions, dot "." as a decimal separator				
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
			Level 1 Note: Invoicing currency - same value as in element CUX/C507/6347_1				

Set Note: MOA+125:11131.20:EUR'

MOA**MOA ° 176 = TAX AMOUNT 1**

User Req: MUST USE
Table/Area: 3
Loop: SG50_TAX AMOUNT 1
Loop Section: MOA
Position: 0510
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				176	Message total duty/tax/fee amount		
	C	MOA0102	C516/5004	Monetary amount	N	1	35
				Level 1 Note: Total tax amount in invoicing currency - 2 decimal positions, dot "." as a decimal separator			
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
				Level 1 Note: Invoicing currency - same value as in element CUX/C507/6343_1			

Set Note: MOA+176:0:EUR'

MOA**MOA ° 77 = GROSS AMOUNT 2**

User Req: RECOMMENDED
Table/Area: 3
Loop: SG50_GROSS AMOUNT 2
Loop Section: MOA
Position: 0530
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				77 Invoice amount			
	C	MOA0102	C516/5004	Monetary amount	N	1	35
				Level 1 Note: Total gross amount in home currency - 2 decimal positions, dot "." as a decimal separator			
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
				Level 1 Note: Home currency - same value as in CUX/C504/6347_2			

Set Note: MOA+77:3604282.56:HUF'

MOA**MOA ° 125 = TAXABLE AMOUNT 2**

User Req: RECOMMENDED
Table/Area: 3
Loop: SG50_NET AMOUNT 2
Loop Section: MOA
Position: 0550
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				125 Taxable amount			
	C	MOA0102	C516/5004	Monetary amount	N	1	35
			Level 1 Note: Total taxable amount in home currency - 2 decimal positions, dot "." as a decimal separator				
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
			Level 1 Note: Home currency - same value as in CUX/C504/6347_2				

Set Note: MOA+125:3604282.56:HUF'

MOA**MOA ° 176 = TAX AMOUNT 2**

User Req: RECOMMENDED
Table/Area: 3
Loop: SG50_TAX AMOUNT 2
Loop Section: MOA
Position: 0570
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				176	Message total duty/tax/fee amount		
	C	MOA0102	C516/5004	Monetary amount	N	1	35
				Level 1 Note: Total tax amount in home currency - 2 decimal positions, dot "." as a decimal separator			
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
				Level 1 Note: Home currency - same value as in CUX/C504/6343_2			

Set Note: MOA+176:0.00:HUF'

TAX**TAX** ◦ 7 = VAT RATE

User Req: MUST USE
Table/Area: 3
Loop: SG52
Loop Section: TAX
Position: 0590
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	TAX01	5283	Duty/tax/fee function qualifier	AN	1	3
				7 Tax			
	C	TAX02	C241	Duty/tax/fee type			
	C	TAX0201	C241/5153	Duty/tax/fee type, coded	AN	1	3
				VAT Value added tax			
	C	TAX05	C243	Duty/tax/fee detail			
	C	TAX0504	C243/5278	Duty/tax/fee rate	AN	1	17
	C	TAX06	5305	Duty/tax/fee category, coded	AN	1	3

Level 1 Note: Under EU directive and national law, any exemption from tax has to be declared more detailed. There are several provisions in the directive, which allow exemption. In the European environment it is necessary to state this reason whenever the invoice issuer declares an invoice item or the whole invoice to be VAT exempt. Code specifying a duty or tax or fee category. This code list contains codes referencing to the Sixth EU directive regarding tax exemption and special procedures. It is intended to be harmonised with other European industry organisations and finally the codes shall be added to the UN/ EDIFACT code list 5305 to facilitate a homogeneous implementation of the directive's provisions throughout Europe. The use of any valid EDIFACT code is permitted, the trading partners may limit the codes in accordance with business and legal requirements. (1) Codes created to comply with the European invoicing directive. These codes are not yet part of the official EDIFACT code list.

- AA Lower rate
- AE VAT Reverse Charge
- E Exempt from tax
- H Higher rate
- O Services outside scope of tax
- S Standard rate
- Z Zero rated goods
- AAA Exempt - Article 146, 148 and 151 of Council (1) Directive 2006/112//EC
- AAB Exempt - Article 164 of Council Directive (1) 2006/112//EC
- AAC Exempt - Article 138 of Council Directive (1) 2006/112//EC
- AAD VAT exempt - Article 44 of Council Directive (1) 2006/112//EC
- AAE Reverse Charge - Article 44 of Council (1)

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
				Directive 2006/112/EC AAF Exempt - Article 346 of Council Directive (1) 2006/112//EC AAG Exempt - Article 131, 132 and 135 of Council (1) Directive 2006/112//EC AAH Margin Scheme - Title XII, Chapter 4 of (1) Council Directive 2006/112//EC AAI Margin Scheme - Title XII, Chapter 3 of (1) Council Directive 2006/112//EC AAJ Reverse Charge - Article 198 of Council (1) Directive 2006/112//EC AAL Reverse Charge Exempt - Article 164 of (1) Council Directive 2006/112//EC AAM Exempt New Means of Transport - Article 2, 3 (1) and 4 of Council Directive 2006/112//EC AAN Exempt Triangulation - Article 141 of Council (1) Directive 2006/112//EC AAP VAT exempt/reverse charge, within the (1) construction business, Article 199 1 a-b of Council Directive 2006/112//EC			

Set Note: TAX+7+VAT+++:::0+AAC'

MOA**MOA ° 124 = TAX AMOUNT**

User Req: MUST USE
Table/Area: 3
Loop: SG52
Loop Section: TAX
Position: 0600
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				124 Tax amount			
	C	MOA0102	C516/5004	Monetary amount	N	1	35
				Level 1 Note: Total tax amount in invoicing currency - 2 decimal positions, dot "." as a decimal separator. Including all fees and charges			
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
				Level 1 Note: Invoicing currency - same value as in element CUX/C507/6347_1			

Set Note: MOA+124:0:EUR'

MOA**MOA ° 125 = TAXABLE AMOUNT**

User Req: MUST USE
Table/Area: 3
Loop: SG52
Loop Section: TAX
Position: 0610
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C516	Monetary amount			
	M	MOA0101	C516/5025	Monetary amount type qualifier	AN	1	3
				176	Message total duty/tax/fee amount		
	C	MOA0102	C516/5004	Monetary amount	N	1	35
				Level 1 Note: Total taxable amount in invoicing currency - 2 decimal positions, dot "." as a decimal separator. Including fees and charges			
	C	MOA0103	C516/6345	Currency, coded	AN	1	3
				Level 1 Note: Invoicing currency - same value as in element CUX/C507/6347_1			

Set Note: MOA+125:11131.20:EUR'

UNT**UNT ° Message trailer**

User Req: MUST USE
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0620
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	UNT01	0074	Number of segments in a message	N	1	10
				Level 1 Note: Total number of segments in message including UNH/UNT			
	M	UNT02	0062	Message reference number	AN	1	14
				Level 1 Note: Same as UNH 01 0062			

Set Note: UNT+39+1'

UNZ**UNZ ° Interchange trailer**

User Req: MUST USE
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0630
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	UNZ01	0036	Interchange control count	N	1	6
Level 1 Note: Total number of messages in interchange							
	M	UNZ02	0020	Interchange control reference	AN	1	14
Level 1 Note: Same as UNB 05 0020							

Set Note: UNZ+1+1'

For any question regarding this guideline, please contact Knorr-Bremse's EDI Team:

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KNORR-BREMSE