

Knorr-Bremse Message Implementation Guideline

ORDCHG D96A – Purchase Order Change Request Message

Subject:	EDI Message Implementation Guideline – ORDCHG D96A	02
		Version
Valid for:	External Suppliers of Knorr-Bremse	10.02.2020
	Divisions	Valid from
Created by:	Knorr-Bremse EDI Team	I / APM 3.2

Change History

Version	Author	Changes
01 – 31.01.2020	PR	Initial Release based on ORDERS D96A guideline
02 – 10.02.2020	PR	Corrected typo in UNB example (syntax version 4 is used)

ORDCHG

Purchase order change request message

HEADER

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
	M	1	10	UNB	Interchange header
	M	1	20	UNH	Message header
	M	1	30	BGM	Beginning of message
	M	35	40	DTM	Date/time/period
LOOP ID - SG3_BUYER MAX: 99					
	C	1	160	NAD	Name and address
LOOP ID - SG6 MAX: 5					
	C	1	260	CTA	Contact information
	C	5	270	COM	Communication contact
LOOP ID - SG3_SUPPLIER MAX: 99					
	C	1	290	NAD	Name and address
LOOP ID - SG6 MAX: 5					
	C	1	390	CTA	Contact information
	C	5	400	COM	Communication contact
LOOP ID - SG3_DELIVERY MAX: 99					
	C	1	420	NAD	Name and address
LOOP ID - SG8 MAX: 5					
	C	1	590	CUX	Currencies
LOOP ID - SG9 MAX: 10					
	C	1	630	PAT	Payment terms basis
	C	1	650	PCD	Percentage details
LOOP ID - SG12 MAX: 5					
	C	1	730	TOD	Terms of delivery or transport

ITEMS

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
LOOP ID - SG26 MAX: 200000					
	C	1	1240	LIN	Line item
	C	25	1250	PIA	Additional product id
	C	99	1260	IMD	Item description
	C	10	1280	QTY	Quantity
	C	35	1310	DTM	Date/time/period
LOOP ID - SG30 MAX: 25					
	C	1	1520	PRI	Price details

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
C	1	1740		LOOP ID - SG35	MAX: 9999
				LOC	Place/location identification

SUMMARY

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	1	2420		UNS	Section control
C	12	2430		MOA	Monetary amount
M	1	2490		UNT	Message trailer
M	1	2500		UNZ	Interchange trailer

UNB**UNB ° Interchange header**

User Req: USED
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	N	1	1
				4 Version 4			
	M	UNB02	S002	Interchange sender			
	M	UNB0201	S002/0004	Interchange sender identification	AN	1	35
			Level 1 Note: Sender Identification. 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: Receiver Identification. To be agreed with Knorr-Bremse EDI Team				
	M	UNB04	S004	Date and time of preparation			
	M	UNB0401	S004/0017	Date	N	6	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+KNORRBREMSE+SUPPLIER+20200107:1023+1'

UNH**UNH ° Message header**

User Req: USED
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: EDI message number.				
	M	UNH02	S009	Message identifier			
	M	UNH0201	S009/0065	Message type identifier	AN	1	6
				ORDCHG Purchase order change request 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
				96A Release 1996 - A			
	M	UNH0204	S009/0051	Controlling agency	AN	1	2
				UN UN/CEFACT			

Set Note: UNH+1+ORDCHG:D:96A:UN'

BGM**BGM ° Beginning of message**

User Req: USED
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
				230 Purchase order change request			
	C	BGM02	1004	Document/message number	AN	1	35
			Level 1 Note: Purchase order number. To be sent back as is in ORDRSP.				
	C	BGM03	1225	Message function, coded	AN	1	3
				4 Change			

Set Note: BGM+230+4500126806+4'

DTM ° Date/time/period

DTM

User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0040
Max Use: 35

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
				137 Document/message date/time			
	C	DTM0102	C507/2380	Date/time/period	AN	1	35
			Level 1 Note: Date of the Purchase Order				
	C	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				102 CCYYMMDD			

Set Note: DTM+137:20200107:102'

NAD ° Name and address



User Req: USED
Table/Area: 1
Loop: SG3_BUYER
Loop Section: NAD
Position: 0160
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
				DP	Delivery party		
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
			Level 1 Note: Customer number at supplier.				
	C	NAD0203	C082/3055	Code list responsible agency, coded	AN	1	3
				91	Assigned by seller or seller's agent		

Set Note: NAD+BY+12345::91'

CTA ° Contact information



User Req: USED
Table/Area: 1
Loop: SG6
Loop Section: NAD;CTA
Position: 0260
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	CTA01	3139	Contact function, coded	AN	1	3
				IC	Information contact		
	C	CTA02	C056	Department or employee details			
	C	CTA0201	C056/3413	Department or employee identification	AN	1	17
	C	CTA0202	C056/3412	Department or employee	AN	1	35

Set Note: CTA+IC+Mr. Mueller'

COM ° Communication contact



User Req: USED
Table/Area: 1
Loop: SG6
Loop Section: NAD;CTA
Position: 0270
Max Use: 5

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C076	Communication contact			
	M	COM0101	C076/3148	Communication number	AN	1	512
	M	COM0102	C076/3155	Communication channel qualifier	AN	1	3
				TE	Telephone		

Set Note: COM+089/22471862:TE'

NAD ° Name and address



User Req: USED
Table/Area: 1
Loop: SG3_SUPPLIER
Loop Section: NAD
Position: 0290
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 Buyer			
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
	C	NAD0203	C082/3055	Code list responsible agency, coded	AN	1	3
				92 Assigned by buyer or buyer's agent			

Set Note: NAD+SU+2345443::92'

CTA ° Contact information



User Req: USED
Table/Area: 1
Loop: SG6
Loop Section: NAD;CTA
Position: 0390
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	CTA01	3139	Contact function, coded	AN	1	3
				IC	Information contact		
	C	CTA02	C056	Department or employee details			
	C	CTA0201	C056/3413	Department or employee identification	AN	1	17
	C	CTA0202	C056/3412	Department or employee	AN	1	35

Set Note: CTA+IC+Mr. Mueller'

COM ° Communication contact



User Req: USED
Table/Area: 1
Loop: SG6
Loop Section: NAD;CTA
Position: 0400
Max Use: 5

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C076	Communication contact			
	M	COM0101	C076/3148	Communication number	AN	1	512
	M	COM0102	C076/3155	Communication channel qualifier	AN	1	3
				TE	Telephone		

Set Note: COM+089/22471862:TE'

NAD**NAD ° Name and address**

User Req: USED
Table/Area: 1
Loop: SG3_DELIVERY
Loop Section: 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
				SU Supplier			
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
	C	NAD0203	C082/3055	Code list responsible agency, coded	AN	1	3
				92 Assigned by buyer or buyer's agent			
	C	NAD04	C080	Party name			
	M	NAD0401	C080/3036	Party name	AN	1	35
	C	NAD0402	C080/3036	Party name	AN	1	35
	C	NAD0403	C080/3036	Party name	AN	1	35
	C	NAD0404	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
	C	NAD06	3164	City name	AN	1	35
	C	NAD08	3251	Postcode identification	AN	1	9
	C	NAD09	3207	Country, coded	AN	1	3

Set Note: NAD+DP+SDHU::92+KNORR-BREMSE+Ortsteil Seubtendor+Tanna++DE'

CUX ° Currencies



User Req: USED
Table/Area: 1
Loop: SG8
Loop Section: CUX
Position: 0590
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
				2Reference currency			
	C	CUX0102	C504/6345	Currency, coded	AN	1	3
	C	CUX0103	C504/6343	Currency qualifier	AN	1	3
				9Order currency			

Set Note: CUX+2:EUR:9'

PAT ° Payment terms basis**PAT**

User Req: USED
Table/Area: 1
Loop: SG9
Loop Section: PAT
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	PAT 01	4279	Payment terms type qualifier	AN	1	3
				1 Basic			
				22 Discount			
	C	PAT 03	C112	Terms/time information			
	M	PAT 0301	C112/2475	Payment time reference, coded	AN	1	3
				5 Date of invoice			
	C	PAT 0303	C112/2151	Type of period, coded	AN	1	3
				D Day			
	C	PAT 0304	C112/2152	Number of periods	N	1	3

Set Note: PAT+1++5::D:90'

PCD ° Percentage details

PCD

User Req: USED
Table/Area: 1
Loop: SG9
Loop Section: PAT
Position: 0650
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M		C501	Percentage details			
	M	PCD0101	C501/5245	Percentage qualifier	AN	1	3
				12 Discount			
	C	PCD0102	C501/5482	Percentage	N	1	10
			Level 1 Note: Percentage of early payment discount (if applicable).				

Set Note: PCD+12:5'

TOD ° Terms of delivery or transport

TOD

User Req: USED
Table/Area: 1
Loop: SG12
Loop Section: TOD
Position: 0730
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	TOD01	4055	Terms of delivery or transport function, coded	AN	1	3
				Level 1 Note: Indication whether the terms relate to e.g. price conditions, delivery conditions, transport conditions, or a combination of these.			
				6	Delivery condition		
	C	TOD03	C100	Terms of delivery or transport			
	C	TOD0301	C100/4053	Terms of delivery or transport, coded	AN	1	3
				Level 1 Note: CFR Cost & Freight DDP Delivered duty paid to destination EXW Ex works			
	C	TOD0304	C100/4052	Terms of delivery or transport	AN	1	70

Set Note: TOD+6++EXW'

LIN ° Line item

LIN

User Req: USED
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 1240
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	N	1	6
			Level 1 Note: Unique line item number within an order. To be sent back as is in ORDRSP.				
	C	LIN02	1229	Action request/notification, coded	AN	1	3
				2 Deleted			
				3 Changed			
	C	LIN03	C212	Item number identification			
	C	LIN0301	C212/7140	Item number	AN	1	35
			Level 1 Note: Article number				
	C	LIN0302	C212/7143	Item number type, coded	AN	1	3
				BP Buyer's part number			

Set Note: LIN+00010+2+567456123:BP'

PIA ° Additional product id



User Req: USED
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 1250
Max Use: 25

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
				5Product identification			
	M	PIA02	C212	Item number identification			
	C	PIA0201	C212/7140	Item number	AN	1	35
			Level 1 Note:Article number				
	C	PIA0202	C212/7143	Item number type, coded	AN	1	3
				SASupplier's article number			

Set Note: PIA+5+332465:SA'

IMD ° Item description

IMD

User Req: USED
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 1260
Max Use: 99

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	IMD01	7077	Item description type, coded	AN	1	3
				FFree-form			
	C	IMD03	C273	Item description			
	C	IMD0304	C273/7008	Item description	AN	1	35
	C	IMD0305	C273/7008	Item description	AN	1	35

Set Note: IMD+F++:::VERSCHLUSSSCHRAUBE'

QTY ° Quantity



User Req: USED
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 1280
Max Use: 10

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
				21Ordered quantity			
	M	QTY0102	C186/6060	Quantity	N	1	15
	C	QTY0103	C186/6411	Measure unit qualifier	AN	1	3

Set Note: QTY+21:35:PCE'

DTM ° Date/time/period

DTM

User Req: USED
Table/Area: 2
Loop: SG26
Loop Section: LIN
Position: 1310
Max Use: 35

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
				2 Delivery date/time, requested			
	C	DTM0102	C507/2380	Date/time/period	AN	1	35
	C	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				102 CCYYMMDD			

Set Note: DTM+2:20200223:102'

PRI ° Price details



User Req: USED
Table/Area: 2
Loop: SG30
Loop Section: LIN;PRI
Position: 1520
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
				AAA Calculation net			
	C	PRI0102	C509/5118	Price	N	1	15
	C	PRI0105	C509/5284	Unit price basis	N	1	9
	C	PRI0106	C509/6411	Measure unit qualifier	AN	1	3

Set Note: PRI+AAA:341.52:::1:PCE'

LOC ° Place/location identification

LOC

User Req: USED
Table/Area: 2
Loop: SG35
Loop Section: LIN;LOC
Position: 1740
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
				159 ZZZ	Additional internal destination Mutually defined		
	C	LOC02	C517	Location identification			
	C	LOC0201	C517/3225	Place/location identification	AN	1	25

Set Note: LOC+159+0650'

UNS ° Section control



User Req: USED
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 2420
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
				S	Detail/summary section separation		

Set Note: UNS+S'

MOA ° Monetary amount

MOA

User Req: USED
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 2430
Max Use: 12

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
				86 Message total monetary amount			
	C	MOA0102	C516/5004	Monetary amount	N	1	18
	C	MOA0103	C516/6345	Currency, coded	AN	1	3

Set Note: MOA+86:341.52:EUR'

UNT

UNT ° Message trailer

User Req: USED
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 2490
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	6
			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+24+1'

UNZ ° Interchange trailer



User Req: USED
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 2500
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 Group