

Knorr-Bremse Message Implementation Guideline

DESADV D07A – Despatch Advice

Subject:	EDI Message Implementation Guideline – DESADV D07A	03
		Version
Valid for:	External Suppliers of Knorr-Bremse	11.10.2022
	Divisions	Valid from
Created by:	Knorr-Bremse EDI Team	I/DIB4

Change History

Version	Author	Changes
01 – 22.12.2020	MK	Initial Release
02 – 27.07.2022	MK	LIN Segment updated, PIA qualifier NB, LOC qualifier 159 added
03 – 11.10.2022	MK	RFF+BM(CRN) segment, Level 2 Note for BGM,CPS, PAC added

DESADV Despatch advice message

TABLE 1

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
	M	1	10	UNH	Message header
	M	1	20	BGM	Beginning of message
	M	10	30	DTM	Date/time/period
	M	10	30	DTM	Date/time/period
	M	10	30	DTM	Date/time/period
	M	5	50	MEA	Measurements
	M	5	50	MEA	Measurements
				LOOP ID - SG1	MAX: 99
	C	1	90	RFF	Reference
				LOOP ID - SG2 BUYER	MAX: 99
	M	1	120	NAD	Name and address
				LOOP ID - SG2 SUPPLIER	MAX: 99
	M	1	120	NAD	Name and address
				LOOP ID - SG2 SHIPTO	MAX: 99
	M	1	120	NAD	Name and address
				LOOP ID - SG2 FORWARDER	MAX: 99
	M	1	120	NAD	Name and address
				LOOP ID - SG5	MAX: 10
	C	1	210	TOD	Terms of delivery or transport
				LOOP ID - SG6	MAX: 10
	C	1	250	TDT	Transport information
				LOOP ID - SG10	MAX: 9999
	M	1	400	CPS	Consignment packing sequence
				LOOP ID - SG11	MAX: 9999
	M	1	440	PAC	Package
	C	10	450	MEA	Measurements
	C	10	460	QTY	Quantity
				LOOP ID - SG13	MAX: 1000
	M	1	510	PCI	Package identification
				LOOP ID - SG15	MAX: 99
	M	1	580	GIN	Goods identity number
				LOOP ID - SG17	MAX: 9999
	M	1	660	LIN	Line item
	M	10	670	PIA	Additional product id
	C	10	670	PIA	Additional product id

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
	C	10	670	PIA	Additional product id
	C	99	680	IMD	Item description
	M	10	700	QTY	Quantity
	M	10	710	ALI	Additional information
LOOP ID - SG18 DELIVERY NOTE NUMBER MAX: 99					
	M	1	840	RFF	Reference
	M	1	870	DTM	Date/time/period
LOOP ID - SG18 PURCHASE ORDER REFERENCE MAX: 99					
	M	1	840	RFF	Reference
LOOP ID - SG20 MAX: 100					
	M	1	930	LOC	Place/location identification
LOOP ID - SG20 MAX: 100					
	C	1	930	LOC	Place/location identification
	M	1	1160	UNT	Message trailer

UNH**UNH ° Message 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	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
				DESADV Despatch advice 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			
	C	UNH0205	S009/0057	Association assigned code	AN	1	6
	C	UNH0206	S009/0110	Code List Directory Version Number	AN	1	6
	C	UNH0207	S009/0113	Message Type Sub Function Identification	AN	1	6

Level 1 Note: UNH+1+DESADV:D:07A:UN'

BGM**BGM ° Beginning of message**

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.
	C		C002	Document/message name			
Must Use	M	BGM0101	C002/1001	Document/message name, coded	AN	1	3
				351 Despatch advice			
	C	BGM0102	C002/1131	Code list qualifier	AN	1	17
	C	BGM0103	C002/3055	Code list responsible agency, coded	AN	1	3
	C	BGM02	C106	Document/message identification			
Must Use	M	BGM0201	C106/1004	Document/message number	N	1	35
			Level 1 Note: Despatch advice number				
	C	BGM0202	C106/1056	Version	AN	1	9
	C	BGM0203	C106/1060	Revision number	AN	1	6
	C	BGM03	1225	Message function, coded	AN	1	3
				9 Original			
	C	BGM04	4343	Response type, coded	AN	1	3

Level 1 Note: BGM+351+1234567890+9'

Level 2 Note: Only one delivery note is allowed. In case of multiple delivery notes generate new DESADV.

DTM ° Date/time/period



User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0030
Max Use: 10

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			
	M	DTM0102	C507/2380	Date/time/period	AN	1	35
			Level 1 Note: Creation Date of the DESADV				
	M	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				102 CCYYMMDD			

Level 1 Note: DTM+137:20201014:102'

DTM ° Date/time/period



User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0030
Max Use: 10

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			
	M	DTM0102	C507/2380	Date/time/period	AN	1	35
	M	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				102 CCYYMMDD			

Level 1 Note: DTM+2:20200731:102'

DTM ° Date/time/period



User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0030
Max Use: 10

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
				11 Despatch date and or time			
	M	DTM0102	C507/2380	Date/time/period	AN	1	35
	M	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				102 CCYYMMDD			

Level 1 Note: DTM+11:20200729:102'

MEA**MEA ° Measurements**

User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0050
Max Use: 5

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	MEA01	6311	Measurement purpose qualifier	AN	1	3
				AAX Consignment measurement			
	C	MEA02	C502	Measurement details			
	M	MEA0201	C502/6313	Property measured, coded	AN	1	3
				AAD Total gross weight			
	C	MEA0202	C502/6321	Measurement significance, coded	AN	1	3
	C	MEA0203	C502/6155	Measurement attribute identification	AN	1	17
	C	MEA0204	C502/6154	Measurement attribute	AN	1	70
	C	MEA03	C174	Value/range			
	M	MEA0301	C174/6411	Measure unit qualifier	AN	1	8
				KGM			
	M	MEA0302	C174/6314	Measurement value	AN	1	18
			Level 1 Note: Gross weight				
	C	MEA0303	C174/6162	Range minimum	N	1	18
	C	MEA0304	C174/6152	Range maximum	N	1	18
	C	MEA0305	C174/6432	Significant digits	N	1	2
	C	MEA04	7383	Surface/layer indicator, coded	AN	1	3

Level 1 Note: MEA+AAX+AAD+KGM:457.000'

MEA**MEA ° Measurements**

User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0050
Max Use: 5

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	MEA01	6311	Measurement purpose qualifier	AN	1	3
				AAE Measurement			
	C	MEA02	C502	Measurement details			
	C	MEA0201	C502/6313	Property measured, coded	AN	1	3
	C	MEA0202	C502/6321	Measurement significance, coded	AN	1	3
	C	MEA0203	C502/6155	Measurement attribute identification	AN	1	17
	C	MEA0204	C502/6154	Measurement attribute	AN	1	70
	C	MEA03	C174	Value/range			
	M	MEA0301	C174/6411	Measure unit qualifier	AN	1	8
				PCE			
	C	MEA0302	C174/6314	Measurement value	AN	1	18
			Level 1 Note: Actual number of loading units				
	C	MEA0303	C174/6162	Range minimum	N	1	18
	C	MEA0304	C174/6152	Range maximum	N	1	18
	C	MEA0305	C174/6432	Significant digits	N	1	2
	C	MEA04	7383	Surface/layer indicator, coded	AN	1	3

Level 1 Note: MEA+AAE++PCE:2'

RFF ° Reference

RFF

User Req: USED
Table/Area: 1
Loop: SG1
Loop Section: 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	RFF01	C506	Reference			
	M	RFF0101	C506/1153	Reference qualifier	AN	1	3
				BM	Bill of lading number		
				CRN	Transport means journey identifier		
	C	RFF0102	C506/1154	Reference number	N	1	70
			Level 1 Note: If shipment and delivery note references are different add shipment reference here				
	C	RFF0103	C506/1156	Line number	AN	1	6
	C	RFF0104	C506/1056	Version	AN	1	9
	C	RFF0105	C506/1060	Revision number	AN	1	6

Level 1 Note: RFF+BM:1234567'



NAD**NAD ° Name and address**

User Req: USED
Table/Area: 1
Loop: SG2 BUYER
Loop Section: NAD
Position: 0120
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
			Level 1 Note: If known: KB account at supplier. Else: KB purchasing organization code.				
	C	NAD0202	C082/1131	Code list qualifier	AN	1	17
	M	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	NAD0303	C058/3124	Name and address line	AN	1	35
	C	NAD0304	C058/3124	Name and address line	AN	1	35
	C	NAD0305	C058/3124	Name and address line	AN	1	35
	C	NAD04	C080	Party name			
	M	NAD0401	C080/3036	Party name	AN	1	35
			Level 1 Note: KB purchasing organization description.				
	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	NAD0405	C080/3036	Party name	AN	1	35
	C	NAD0406	C080/3045	Party name format, coded	AN	1	3
	C	NAD05	C059	Street			
	M	NAD0501	C059/3042	Street and number/p.o. box	AN	1	35
			Level 1 Note: Part of address identifying the street and location of the building				

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	NAD0502	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0503	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0504	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD06	3164	City name	AN	1	35
			Level 1 Note: The name of the city				
	C	NAD07	C819	Country sub-entity details			
	C	NAD0701	C819/3229	Country sub-entity identification	AN	1	9
	C	NAD0702	C819/1131	Code list qualifier	AN	1	17
	C	NAD0703	C819/3055	Code list responsible agency, coded	AN	1	3
	C	NAD0704	C819/3228	Country sub-entity	AN	1	70
	C	NAD08	3251	Postcode identification	AN	1	17
			Level 1 Note: Postcode				
	C	NAD09	3207	Country, coded	AN	1	3
			Level 1 Note: Country coded according to ISO 3166-1				

Level 1 Note: NAD+BY+12345::91+BE4+KB - Budapest'

NAD**NAD ° Name and address**

User Req: USED
Table/Area: 1
Loop: SG2 SUPPLIER
Loop Section: NAD
Position: 0120
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
			Level 1 Note: Supplier number at KB.				
	C	NAD0202	C082/1131	Code list qualifier	AN	1	17
	M	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	NAD0303	C058/3124	Name and address line	AN	1	35
	C	NAD0304	C058/3124	Name and address line	AN	1	35
	C	NAD0305	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	NAD0403	C080/3036	Party name	AN	1	35
	C	NAD0404	C080/3036	Party name	AN	1	35
	C	NAD0405	C080/3036	Party name	AN	1	35
	C	NAD0406	C080/3045	Party name format, coded	AN	1	3
	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	NAD0503	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0504	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD06	3164	City name	AN	1	35
	C	NAD07	C819	Country sub-entity details			

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	NAD0701	C819/3229	Country sub-entity identification	AN	1	9
	C	NAD0702	C819/1131	Code list qualifier	AN	1	17
	C	NAD0703	C819/3055	Code list responsible agency, coded	AN	1	3
	C	NAD0704	C819/3228	Country sub-entity	AN	1	70
	C	NAD08	3251	Postcode identification	AN	1	17
	C	NAD09	3207	Country, coded	AN	1	3

Level 1 Note: NAD+SU+0000012345::92++SUPPLIER NAME:NAME2:NAME3:NAME4+STREET
NAME123+CITY++1024+HU'



NAD**NAD ° Name and address**

User Req: USED
Table/Area: 1
Loop: SG2 SHIPTO
Loop Section: NAD
Position: 0120
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 Ship to			
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
			Level 1 Note: KB Plant Code				
	C	NAD0202	C082/1131	Code list qualifier	AN	1	17
	M	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	NAD0303	C058/3124	Name and address line	AN	1	35
	C	NAD0304	C058/3124	Name and address line	AN	1	35
	C	NAD0305	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	NAD0403	C080/3036	Party name	AN	1	35
	C	NAD0404	C080/3036	Party name	AN	1	35
	C	NAD0405	C080/3036	Party name	AN	1	35
	C	NAD0406	C080/3045	Party name format, coded	AN	1	3
	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	NAD0503	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0504	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD06	3164	City name	AN	1	35
	C	NAD07	C819	Country sub-entity details			

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	NAD0701	C819/3229	Country sub-entity identification	AN	1	9
	C	NAD0702	C819/1131	Code list qualifier	AN	1	17
	C	NAD0703	C819/3055	Code list responsible agency, coded	AN	1	3
	C	NAD0704	C819/3228	Country sub-entity	AN	1	70
	C	NAD08	3251	Postcode identification	AN	1	17
	C	NAD09	3207	Country, coded	AN	1	3

NAD**NAD ° Name and address**

User Req: USED
Table/Area: 1
Loop: SG2 FORWARDER
Loop Section: NAD
Position: 0120
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
				FW Freight forwarder			
	C	NAD02	C082	Party identification details			
	M	NAD0201	C082/3039	Party identification	AN	1	35
			Level 1 Note: KB Freight Forwarder Code				
	C	NAD0202	C082/1131	Code list qualifier	AN	1	17
	M	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	NAD0303	C058/3124	Name and address line	AN	1	35
	C	NAD0304	C058/3124	Name and address line	AN	1	35
	C	NAD0305	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	NAD0403	C080/3036	Party name	AN	1	35
	C	NAD0404	C080/3036	Party name	AN	1	35
	C	NAD0405	C080/3036	Party name	AN	1	35
	C	NAD0406	C080/3045	Party name format, coded	AN	1	3
	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	NAD0503	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD0504	C059/3042	Street and number/p.o. box	AN	1	35
	C	NAD06	3164	City name	AN	1	35
	C	NAD07	C819	Country sub-entity details			

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	NAD0701	C819/3229	Country sub-entity identification	AN	1	9
	C	NAD0702	C819/1131	Code list qualifier	AN	1	17
	C	NAD0703	C819/3055	Code list responsible agency, coded	AN	1	3
	C	NAD0704	C819/3228	Country sub-entity	AN	1	70
	C	NAD08	3251	Postcode identification	AN	1	17
	C	NAD09	3207	Country, coded	AN	1	3

TOD**TOD ° Terms of delivery or transport**

User Req: USED
Table/Area: 1
Loop: SG5
Loop Section: TOD
Position: 0210
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
				6 Delivery condition			
	C	TOD02	4215	Transport charges method of payment, coded	AN	1	3
	C	TOD03	C100	Terms of delivery or transport			
	C	TOD0301	C100/4053	Terms of delivery or transport, coded	AN	1	3
			Level 1 Note: Incoterms				
	C	TOD0302	C100/1131	Code list qualifier	AN	1	17
	C	TOD0303	C100/3055	Code list responsible agency, coded	AN	1	3
	C	TOD0304	C100/4052	Terms of delivery or transport	AN	1	70
	C	TOD0305	C100/4052	Terms of delivery or transport	AN	1	70

Level 1 Note: TOD+6++EXW'

TDT**TDT ° Transport information**

User Req: USED
Table/Area: 1
Loop: SG6
Loop Section: TDT
Position: 0250
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	TDT01	8051	Transport stage qualifier	AN	1	3
				12 At departure			
	C	TDT02	8028	Conveyance reference number	AN	1	17
	C	TDT03	C220	Mode of transport			
	C	TDT0301	C220/8067	Mode of transport, coded	AN	1	3
			Level 1 Note: 10 Maritime Transport 20 Rail Transport 30 Road Transport 40 Air Transport				
	C	TDT0302	C220/8066	Mode of transport	AN	1	17
	C	TDT04	C001	Transport means			
	C	TDT0401	C001/8179	Type of means of transport identification	AN	1	8
	C	TDT0402	C001/1131	Code list qualifier	AN	1	17
	C	TDT0403	C001/3055	Code list responsible agency, coded	AN	1	3
	C	TDT0404	C001/8178	Type of means of transport	AN	1	17
	C	TDT05	C040	Carrier			
	C	TDT0501	C040/3127	Carrier identification	AN	1	17
	C	TDT0502	C040/1131	Code list qualifier	AN	1	17
	C	TDT0503	C040/3055	Code list responsible agency, coded	AN	1	3
	C	TDT0504	C040/3126		AN	1	35
	C	TDT06	8101	Transit direction, coded	AN	1	3
	C	TDT07	C401	Excess transportation information			
	M	TDT0701	C401/8457	Excess transportation reason, coded	AN	1	3
	M	TDT0702	C401/8459	Excess transportation responsibility, coded	AN	1	3
	C	TDT0703	C401/7130	Customer authorization number	AN	1	17
	C	TDT08	C222	Transport identification			
	C	TDT0801	C222/8213	Id. of means of transport identification	AN	1	35
			Level 1 Note: Licence plate number if unknown use "not available"				
	C	TDT0802	C222/1131	Code list qualifier	AN	1	17
	C	TDT0803	C222/3055	Code list responsible agency, coded	AN	1	3

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	TDT0804	C222/8212	Id. of the means of transport	AN	1	70
	C	TDT0805	C222/8453	Nationality of means of transport, coded	AN	1	3
	C	TDT09	8281	Transport ownership, coded	AN	1	3

Level 1 Note: TDT+12++30+++++not available'

CPS ° Consignment packing sequence



User Req: USED
Table/Area: 1
Loop: SG10
Loop Section: CPS
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	CPS01	7164	Hierarchical id. number	AN	1	35
			Level 1 Note: Packing material group counter				
	C	CPS02	7166	Hierarchical parent id.	AN	1	35
	C	CPS03	7075	Packaging level, coded	AN	1	3
				1	Inner		
				3	Outer		
				4	No packaging hierarchy		

Level 1 Note: CPS+1++4'
Level 2 Note: if more than one position is packed into the same handling unit, whole CPS group should be repeated, with same handling unit.

PAC**PAC ° Package**

User Req: USED
Table/Area: 1
Loop: SG11
Loop Section: CPS;PAC
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	PAC01	7224	Number of packages	N	1	8
	C	PAC02	C531	Packaging details			
	C	PAC0201	C531/7075	Packaging level, coded	AN	1	3
	M	PAC0202	C531/7233	Packaging related information, coded	AN	1	3
			Level 1 Note: 35 Main packing material 37 Auxiliary packing material				
	M	PAC0203	C531/7073	Packaging terms and conditions, coded	AN	1	3
			Level 1 Note: AAA One way packing supplier pays AAB One way packing customer pays AAC Customer's returnable package item AAD Supplier's returnable package item				
	C	PAC03	C202	Package type			
	M	PAC0301	C202/7065	Type of packages identification	AN	1	17
			Level 1 Note: Packaging material code customer				
	C	PAC0302	C202/1131	Code list qualifier	AN	1	17
	M	PAC0303	C202/3055	Code list responsible agency, coded	AN	1	3
			92	Assigned by buyer or buyer's agent			
	C	PAC0304	C202/7064	Type of packages	AN	1	35
	C	PAC04	C402	Package type identification			
	M	PAC0401	C402/7077	Item description type, coded	AN	1	3
	M	PAC0402	C402/7064	Type of packages	AN	1	35
	C	PAC0403	C402/7143	Item number type, coded	AN	1	3
	C	PAC0404	C402/7064	Type of packages	AN	1	35
	C	PAC0405	C402/7143	Item number type, coded	AN	1	3
	C	PAC05	C532	Returnable package details			
	C	PAC0501	C532/8395	Returnable package freight payment responsibility, coded	AN	1	3
	C	PAC0502	C532/8393	Returnable package load contents, coded	AN	1	3

Level 1 Note: PAC+1+:35:AAD+12345::92'

Level 2 Note: In case of different quantities per handling unit (QTY+52) repeat PAC group for each different QTY+52.

MEA**MEA ° Measurements**

User Req: USED
Table/Area: 1
Loop: SG11
Loop Section: CPS;PAC
Position: 0450
Max Use: 10

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	MEA01	6311	Measurement purpose qualifier	AN	1	3
	C	MEA02	C502	Measurement details			
	C	MEA0201	C502/6313	Property measured, coded	AN	1	3
	C	MEA0202	C502/6321	Measurement significance, coded	AN	1	3
	C	MEA0203	C502/6155	Measurement attribute identification	AN	1	17
	C	MEA0204	C502/6154	Measurement attribute	AN	1	70
	C	MEA03	C174	Value/range			
	M	MEA0301	C174/6411	Measure unit qualifier	AN	1	8
	C	MEA0302	C174/6314	Measurement value	AN	1	18
	C	MEA0303	C174/6162	Range minimum	N	1	18
	C	MEA0304	C174/6152	Range maximum	N	1	18
	C	MEA0305	C174/6432	Significant digits	N	1	2
	C	MEA04	7383	Surface/layer indicator, coded	AN	1	3

QTY ° Quantity

QTY

User Req: USED
Table/Area: 1
Loop: SG11
Loop Section: CPS;PAC
Position: 0460
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
				52Quantity per pack			
	M	QTY0102	C186/6060	Quantity	AN	1	35
			Level 1 Note:Quantity per packing unit				
	M	QTY0103	C186/6411	Measure unit qualifier	AN	1	8
				PCE			

Level 1 Note: QTY+52:24.000:PCE'

PCI**PCI ° Package identification**

User Req: USED
Table/Area: 1
Loop: SG13
Loop Section: CPS;PAC;PCI
Position: 0510
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	PCI01	4233	Marking instructions, coded	AN	1	3
				17 Seller's instructions			
	C	PCI02	C210	Marks .labels			
	M	PCI0201	C210/7102	Shipping marks	AN	1	35
	C	PCI0202	C210/7102	Shipping marks	AN	1	35
	C	PCI0203	C210/7102	Shipping marks	AN	1	35
	C	PCI0204	C210/7102	Shipping marks	AN	1	35
	C	PCI0205	C210/7102	Shipping marks	AN	1	35
	C	PCI0206	C210/7102	Shipping marks	AN	1	35
	C	PCI0207	C210/7102	Shipping marks	AN	1	35
	C	PCI0208	C210/7102	Shipping marks	AN	1	35
	C	PCI0209	C210/7102	Shipping marks	AN	1	35
	C	PCI0210	C210/7102	Shipping marks	AN	1	35
	C	PCI03	8169	Full/empty indicator, coded	AN	1	3
	C	PCI04	C827	Type of marking			
	M	PCI0401	C827/7511	Type of marking, coded	AN	1	3
			Level 1 Note: 1J single label 5J mixed load label 6J master label				
	C	PCI0402	C827/1131	Code list qualifier	AN	1	17
	M	PCI0403	C827/3055	Code list responsible agency, coded	AN	1	3
				5 ISO (International Organization for Standardization)			

Level 1 Note: PCI+17+++1J::5'

GIN ° Goods identity number



User Req: USED
Table/Area: 1
Loop: SG15
Loop Section: CPS;PAC;PCI;GIN
Position: 0580
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	GIN01	7405	Identity number qualifier	AN	1	3
				ML	Marking/label number		
				AW	Serial shipping container code		
	M	GIN02	C208	Identity number range			
	M	GIN0201	C208/7402	Identity number	N	1	35
			Level 1 Note: Use only numeric values				

Level 1 Note: GIN+ML+026755385'

LIN ° Line item



User Req: USED
Table/Area: 1
Loop: SG17
Loop Section: CPS;LIN
Position: 0660
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	LIN01	1082	Line item number	AN	1	6
			Level 1 Note:Line item number must be unique per DESADV				
	C	LIN02	1229	Action request/notification, coded	AN	1	3
	C	LIN03	C212	Item number identification			
	M	LIN0301	C212/7140	Item number	AN	1	35
			Level 1 Note:Customer material number				
	M	LIN0302	C212/7143	Item number type, coded	AN	1	3
				BP	Buyer's part number		
	C	LIN0303	C212/1131	Code list qualifier	AN	1	17
	C	LIN0304	C212/3055	Code list responsible agency, coded	AN	1	3
	C	LIN04	C829	Sub-line information			
	C	LIN0401	C829/5495	Sub-line indicator, coded	AN	1	3
	C	LIN0402	C829/1082	Line item number	AN	1	6
	C	LIN05	1222	Configuration level	N	1	2

Level 1 Note: LIN+1000++K123456/ABC:BP'



PIA**PIA ° Additional product id**

User Req: USED
Table/Area: 1
Loop: SG17
Loop Section: CPS;LIN
Position: 0670
Max Use: 10

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
				5 Product identification			
	M	PIA02	C212	Item number identification			
	M	PIA0201	C212/7140	Item number	AN	1	35
			Level 1 Note: Supplier material number				
	M	PIA0202	C212/7143	Item number type, coded	AN	1	3
				SA Supplier's article number			
	C	PIA0203	C212/1131	Code list qualifier	AN	1	17
	C	PIA0204	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA03	C212	Item number identification			
	C	PIA0301	C212/7140	Item number	AN	1	35
	C	PIA0302	C212/7143	Item number type, coded	AN	1	3
	C	PIA0303	C212/1131	Code list qualifier	AN	1	17
	C	PIA0304	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA04	C212	Item number identification			
	C	PIA0401	C212/7140	Item number	AN	1	35
	C	PIA0402	C212/7143	Item number type, coded	AN	1	3
	C	PIA0403	C212/1131	Code list qualifier	AN	1	17
	C	PIA0404	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA05	C212	Item number identification			
	C	PIA0501	C212/7140	Item number	AN	1	35
	C	PIA0502	C212/7143	Item number type, coded	AN	1	3
	C	PIA0503	C212/1131	Code list qualifier	AN	1	17
	C	PIA0504	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA06	C212	Item number identification			
	C	PIA0601	C212/7140	Item number	AN	1	35
	C	PIA0602	C212/7143	Item number type, coded	AN	1	3
	C	PIA0603	C212/1131	Code list qualifier	AN	1	17

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	PIA0604	C212/3055	Code list responsible agency, coded	AN	1	3

Level 1 Note: PIA+5+123456A:SA'

PIA**PIA ° Additional product id**

User Req: USED
Table/Area: 1
Loop: SG17
Loop Section: CPS;LIN
Position: 0670
Max Use: 10

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: Drawing number, if available.				
	C	PIA0202	C212/7143	Item number type, coded	AN	1	3
				DW Drawing			
	C	PIA0203	C212/1131	Code list qualifier	AN	1	17
	C	PIA0204	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA03	C212	Item number identification			
	C	PIA0301	C212/7140	Item number	AN	1	35
			Level 1 Note: Drawing index, if available.				
	C	PIA0302	C212/7143	Item number type, coded	AN	1	3
				DR Drawing revision number			
	C	PIA0303	C212/1131	Code list qualifier	AN	1	17
	C	PIA0304	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA04	C212	Item number identification			
	C	PIA0401	C212/7140	Item number	AN	1	35
	C	PIA0402	C212/7143	Item number type, coded	AN	1	3
	C	PIA0403	C212/1131	Code list qualifier	AN	1	17
	C	PIA0404	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA05	C212	Item number identification			
	C	PIA0501	C212/7140	Item number	AN	1	35
	C	PIA0502	C212/7143	Item number type, coded	AN	1	3
	C	PIA0503	C212/1131	Code list qualifier	AN	1	17
	C	PIA0504	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA06	C212	Item number identification			
	C	PIA0601	C212/7140	Item number	AN	1	35
	C	PIA0602	C212/7143	Item number type, coded	AN	1	3

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	PIA0603	C212/1131	Code list qualifier	AN	1	17
	C	PIA0604	C212/3055	Code list responsible agency, coded	AN	1	3

Level 1 Note: PIA+1+K123456:DW+001:DR'

PIA**PIA ° Additional product id**

User Req: USED
Table/Area: 1
Loop: SG17
Loop Section: CPS;LIN
Position: 0670
Max Use: 10

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: Batch number, if available.				
	C	PIA0202	C212/7143	Item number type, coded	AN	1	3
				NB Batch number			
	C	PIA0203	C212/1131	Code list qualifier	AN	1	17
	C	PIA0204	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA03	C212	Item number identification			
	C	PIA0301	C212/7140	Item number	AN	1	35
	C	PIA0302	C212/7143	Item number type, coded	AN	1	3
	C	PIA0303	C212/1131	Code list qualifier	AN	1	17
	C	PIA0304	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA04	C212	Item number identification			
	C	PIA0401	C212/7140	Item number	AN	1	35
	C	PIA0402	C212/7143	Item number type, coded	AN	1	3
	C	PIA0403	C212/1131	Code list qualifier	AN	1	17
	C	PIA0404	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA05	C212	Item number identification			
	C	PIA0501	C212/7140	Item number	AN	1	35
	C	PIA0502	C212/7143	Item number type, coded	AN	1	3
	C	PIA0503	C212/1131	Code list qualifier	AN	1	17
	C	PIA0504	C212/3055	Code list responsible agency, coded	AN	1	3
	C	PIA06	C212	Item number identification			
	C	PIA0601	C212/7140	Item number	AN	1	35
	C	PIA0602	C212/7143	Item number type, coded	AN	1	3

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	C	PIA0603	C212/1131	Code list qualifier	AN	1	17
	C	PIA0604	C212/3055	Code list responsible agency, coded	AN	1	3

Level 1 Note: PIA+1+12345678:NB'

IMD**IMD ° Item description**

User Req: USED
Table/Area: 1
Loop: SG17
Loop Section: CPS;LIN
Position: 0680
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
				F Free-form			
	C	IMD02	C272	Item characteristic			
	C	IMD0201	C272/7081	Item characteristic, coded	AN	1	3
	C	IMD0202	C272/1131	Code list qualifier	AN	1	17
	C	IMD0203	C272/3055	Code list responsible agency, coded	AN	1	3
	C	IMD03	C273	Item description			
	C	IMD0301	C273/7009	Item description identification	AN	1	17
	C	IMD0302	C273/1131	Code list qualifier	AN	1	17
	C	IMD0303	C273/3055	Code list responsible agency, coded	AN	1	3
	C	IMD0304	C273/7008	Item description	AN	1	256
			Level 1 Note: Item description				
	C	IMD0305	C273/7008	Item description	AN	1	256
	C	IMD0306	C273/3453	Language, coded	AN	1	3
	C	IMD04	7383	Surface/layer indicator, coded	AN	1	3

Level 1 Note: IMD+F++Brake Caliper XYZ'

QTY ° Quantity

QTY

User Req: USED
Table/Area: 1
Loop: SG17
Loop Section: CPS;LIN
Position: 0700
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
				12 Despatch quantity			
	M	QTY0102	C186/6060	Quantity	AN	1	35
			Level 1 Note: Despatched quantity				
	M	QTY0103	C186/6411	Measure unit qualifier	AN	1	8
				PCE			

Level 1 Note: QTY+12:24:PCE



ALI ° Additional information



User Req: USED
Table/Area: 1
Loop: SG17
Loop Section: CPS;LIN
Position: 0710
Max Use: 10

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	ALI01	3239	Country of origin, coded	AN	1	3
			Level 1 Note:Country of origin				
	C	ALI02	9213	Type of duty regime, coded	AN	1	3
	C	ALI03	4183	Special conditions, coded	AN	1	3
	C	ALI04	4183	Special conditions, coded	AN	1	3
	C	ALI05	4183	Special conditions, coded	AN	1	3
	C	ALI06	4183	Special conditions, coded	AN	1	3
	C	ALI07	4183	Special conditions, coded	AN	1	3

Level 1 Note: ALI+DE'



RFF ° Reference

RFF

User Req: USED
Table/Area: 1
Loop: SG18 DELIVERY NOTE NUMBER
Loop Section: CPS;LIN;RFF
Position: 0840
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
				AAU Despatch note number			
	M	RFF0102	C506/1154	Reference number	N	1	70
			Level 1 Note: Delivery note number reference				
	C	RFF0103	C506/1156	Line number	AN	1	6
	C	RFF0104	C506/1056	Version	AN	1	9
	C	RFF0105	C506/1060	Revision number	AN	1	6

Level 1 Note: RFF+AAU:8150440'

DTM ° Date/time/period

DTM

User Req: USED
Table/Area: 1
Loop: SG18 DELIVERY NOTE NUMBER
Loop Section: CPS;LIN;RFF
Position: 0870
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			
	M	DTM0102	C507/2380	Date/time/period	AN	1	35
			Level 1 Note: Delivery note date				
	M	DTM0103	C507/2379	Date/time/period format qualifier	AN	1	3
				102 CCYYMMDD			

Level 1 Note: DTM+171:20200729:102'

RFF ° Reference

RFF

User Req: USED
Table/Area: 1
Loop: SG18 PURCHASE ORDER REFERENCE
Loop Section: CPS;LIN;RFF
Position: 0840
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)		
	M	RFF0102	C506/1154	Reference number	N	1	70
			Level 1 Note: Purchase order number				
	C	RFF0103	C506/1156	Line number	AN	1	6
	C	RFF0104	C506/1056	Version	AN	1	9
	C	RFF0105	C506/1060	Revision number	AN	1	6

Level 1 Note: RFF+ON:5030264607/1'

LOC**LOC ° Place/location identification**

User Req: USED
Table/Area: 1
Loop: SG20
Loop Section: CPS;LIN;LOC
Position: 0930
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			
	M	LOC0201	C517/3225	Place/location identification	AN	1	35
			Level 1 Note: KB plant code				
	C	LOC0202	C517/1131	Code list qualifier	AN	1	17
	C	LOC0203	C517/3055	Code list responsible agency, coded	AN	1	3
				92 Assigned by buyer or buyer's agent			
	C	LOC0204	C517/3224	Place/location	AN	1	256
	C	LOC03	C519	Related location one identification			
	C	LOC0301	C519/3223	Related place/location one identification	AN	1	35
	C	LOC0302	C519/1131	Code list qualifier	AN	1	17
	C	LOC0303	C519/3055	Code list responsible agency, coded	AN	1	3
	C	LOC0304	C519/3222	Related place/location one	AN	1	70
	C	LOC04	C553	Related location two identification			
	C	LOC0401	C553/3233	Related place/location two identification	AN	1	35
	C	LOC0402	C553/1131	Code list qualifier	AN	1	17
	C	LOC0403	C553/3055	Code list responsible agency, coded	AN	1	3
	C	LOC0404	C553/3232	Related place/location two	AN	1	70
	C	LOC05	5479	Relation, coded	AN	1	3

Level 1 Note: LOC+11+265::92'

LOC**LOC ° Place/location identification**

User Req: USED
Table/Area: 1
Loop: SG20
Loop Section: CPS;LIN;LOC
Position: 0930
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 Unloading point			
	C	LOC02	C517	Location identification			
	M	LOC0201	C517/3225	Place/location identification	AN	1	35
			Level 1 Note: KB unloading point				
	C	LOC0202	C517/1131	Code list qualifier	AN	1	17
	C	LOC0203	C517/3055	Code list responsible agency, coded	AN	1	3
				92 Assigned by buyer or buyer's agent			
	C	LOC0204	C517/3224	Place/location	AN	1	256
	C	LOC03	C519	Related location one identification			
	C	LOC0301	C519/3223	Related place/location one identification	AN	1	35
	C	LOC0302	C519/1131	Code list qualifier	AN	1	17
	C	LOC0303	C519/3055	Code list responsible agency, coded	AN	1	3
	C	LOC0304	C519/3222	Related place/location one	AN	1	70
	C	LOC04	C553	Related location two identification			
	C	LOC0401	C553/3233	Related place/location two identification	AN	1	35
	C	LOC0402	C553/1131	Code list qualifier	AN	1	17
	C	LOC0403	C553/3055	Code list responsible agency, coded	AN	1	3
	C	LOC0404	C553/3232	Related place/location two	AN	1	70
	C	LOC05	5479	Relation, coded	AN	1	3

Level 1 Note: LOC+159+11::92'

UNT ° Message trailer



User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 1160
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
	M	UNT02	0062	Message reference number	AN	1	14

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

edi@knorr-bremse.com



Knorr-Bremse Group