

Rexroth
Bosch Group

EDI GUIDE

IFTMIN D99B



Who should read this document?

This document is for EDI-administrators who will implement this EDI-guide to be able to receive EDIFACT IFTMIN 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 within 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 segments: A segment group can be optional, while the contained segments are mandatory. In this case all mandatory segments of a segment group has to appear in the data file, if you decide to use this segment group.

In case that in a segment description is listed more than one segment 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 description of IFTMIN 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.

Segment	Content	M/O	Length	
UNH	Message header	M	1	
BGM	Beginning of message	M	1	
CTA	Contact information	O	1	
COM	Communication contact	O	9	
DTM	Date/time/period	O	9	
TSR	Transport service requirements	O	9	
CUX	Currencies	O	9	
MOA	Monetary amount	O	99	
FTX	Free text	O	99	
CNT	Control total	O	9	
DOC	Document/message details	O	9	
GDS	Nature of cargo	O	9	
	Segment group 1	O	99	1
LOC	Place/location identification	M	1	1
DTM	Date/time/period	O	9	1
	Segment group 2	O	2	2
TOD	Terms of delivery or transport	M	1	2
LOC	Place/location identification	O	9	2
	Segment group 3	O	999	3
RFF	Reference		1	3
DTM	Date/time/period	O	9	3
	Segment group 4	O	9	4
GOR	Governmental requirements	M	1	4
DTM	Date/time/period	O	9	4
LOC	Place/location identification	O	9	4
SEL	Seal number	O	9	4
FTX	Free text	O	9	4
	Segment group 5	O	9	5
DOC	Document/message details	M	1	5
DTM	Date/time/period	O	1	5
	Segment group 6	O	9	6
CPI	Charge payment instructions	M	1	6
RFF	Reference	O	99	6
CUX	Currencies	O	1	6
LOC	Place/location identification	O	9	6
MOA	Monetary amount	O	9	6
	Segment group 7	O	99	7
TCC	Transport charge/rate calculations	M	1	7
LOC	Place/location identification	O	1	7
FTX	Free text	O	1	7
CUX	Currencies	O	1	7
PRI	Price details	O	1	7
EQN	Number of units	O	1	7

PCD	Percentage details	O	1		7
MOA	Monetary amount	O	9		7
QTY	Quantity	O	9		7
	Segment group 8	O	99		8
TDT	Details of transport	M	1		8
DTM	Date/time/period	O	9		8
TSR	Transport service requirements	O	9		8
	Segment group 9	O	99	9	8
LOC	Place/location identification	M	1	9	8
DTM	Date/time/period	O	9	9	8
	Segment group 10	O	9	10	8
RFF	Reference	M	1	10	8
DTM	Date/time/period	O	1	10	8
	Segment group 11	M	99		11
NAD	Name and address	M	1		11
LOC	Place/location identification	O	9		11
MOA	Monetary amount	O	9		11
	Segment group 12	O	9	12	11
CTA	Contact information	M	1	12	11
COM	Communication contact	O	9	12	11
	Segment group 13	O	9	13	11
DOC	Document/message details	M	1	13	11
DTM	Date/time/period	O	1	13	11
	Segment group 14	O	99	14	11
TCC	Transport charge/rate calculations	M	1	14	11
CUX	Currencies	O	1	14	11
PRI	Price details	O	1	14	11
EQN	Number of units	O	1	14	11
PCD	Percentage details	O	1	14	11
MOA	Monetary amount	O	9	14	11
QTY	Quantity	O	9	14	11
	Segment group 15	O	9	15	11
RFF	Reference	M	1	15	11
DTM	Date/time/period	O	9	15	11
	Segment group 16	O	9	16	11
CPI	Charge payment instructions	M	1	16	11
RFF	Reference	O	99	16	11
CUX	Currencies	O	1	16	11
LOC	Place/location identification	O	9	16	11
MOA	Monetary amount	O	9	16	11
	Segment group 17	O	99	17	11
TSR	Transport service requirements	M	1	17	11
RFF	Reference	O	1	17	11
LOC	Place/location identification	O	1	17	11
TPL	Transport placement	O	1	17	11
FTX	Free text	O	9	17	11

	Segment group 18	O	999		18
GID	Goods item details	M	1		18
HAN	Handling instructions	O	99		18
TMP	Temperature	O	1		18
RNG	Range details	O	1		18
TMD	Transport movement details	O	1		18
LOC	Place/location identification	O	9		18
MOA	Monetary amount	O	9		18
PIA	Additional product id	O	9		18
FTX	Free text	O	99		18
PCD	Percentage details	O	9		18
					18
	Segment group 19	O	9	19	18
NAD	Name and address	M	1	19	18
DTM	Date/time/period	O	1	19	18
LOC	Place/location identification	O	9	19	18
GDS	Nature of cargo	O	9	19	18
					18
	Segment group 20	O	99	20	18
MEA	Measurements	M	1	20	18
EQN	Number of units	O	1	20	18
					18
	Segment group 21	O	99	21	18
DIM	Dimensions	M	1	21	18
EQN	Number of units	O	1	21	18
					18
	Segment group 22	O	9	22	18
RFF	Reference	M	1	22	18
DTM	Date/time/period	O	9	22	18
					18
	Segment group 23	O	999	23	18
PCI	Package identification	M	1	23	18
RFF	Reference	O	1	23	18
DTM	Date/time/period	O	1	23	18
GIN	Goods identity number	O	10	23	18
					18
	Segment group 24	O	9	24	18
DOC	Document/message details	M	1	24	18
DTM	Date/time/period	O	9	24	18
					18
	Segment group 25	O	9	25	18
GOR	Governmental requirements	M	1	25	18
DTM	Date/time/period	O	9	25	18
LOC	Place/location identification	O	9	25	18
SEL	Seal number	O	9	25	18
FTX	Free text	O	9	25	18
				25	18
	Segment group 26	O	9	26	18
DOC	Document/message details	M	1	26	18
DTM	Date/time/period	O	1	26	18
					18
	Segment group 27	O	9	27	18
TPL	Transport placement	M	1	27	18
				27	18
	Segment group 28	O	9	28	18
MEA	Measurements	M	1	28	18
EQN	Number of units	O	1	28	18

							18
SGP	Segment group 29	O	999				29
	Split goods placement	M	1				29
							29
	Segment group 30	O	9		30		29
MEA	Measurements	M	1		30		29
EQN	Number of units	O	1		30		29
							18
	Segment group 31	O	99				31
TCC	Transport charge/rate calculations	M	1				31
CUX	Currencies	O	1				31
PRI	Price details	O	1				31
EQN	Number of units	O	1				31
PCD	Percentage details	O	1				31
MOA	Monetary amount	O	9				31
QTY	Quantity	O	9				31
LOC	Place/location identification	O	9				31
							18
	Segment group 32	O	99				32
DGS	Dangerous goods	M	1				32
FTX	Free text	O	99				32
							32
	Segment group 33	O	9		33		32
CTA	Contact information	M	1		33		32
COM	Communication contact	O	9		33		32
					33		32
	Segment group 34	O	9		33		32
MEA	Measurements	M	1		33		32
EQN	Number of units	O	1		33		32
					33		32
	Segment group 35	O	999		33		32
SGP	Split goods placement	M	1		33		32
					33		32
	Segment group 36	O	9		36		32
MEA	Measurements	M	1		36		32
EQN	Number of units	O	1		36		32
							18
	Segment group 37	O	999				37
EQD	Equipment details	M	1				37
EQN	Number of units	O	1				37
TMD	Transport movement details	O	1				37
MEA	Measurements	O	9				37
DIM	Dimensions	O	9				37
SEL	Seal number	O	99				37
TPL	Transport placement	O	9				37
HAN	Handling instructions	O	1				37
TMP	Temperature	O	1				37
FTX	Free text	O	9				37
RFF	Reference	O	9				37
							37
	Segment group 38	O	99				38
TCC	Transport charge/rate calculations	M	1				38
CUX	Currencies	O	1				38
PRI	Price details	O	1				38
EQN	Number of units	O	1				38
PCD	Percentage details	O	1				38
MOA	Monetary amount	O	9				38

QTY	Quantity	O	9		38	37
						37
	Segment group 39	O	9		39	37
NAD	Name and address	M	1		39	37
DTM	Date/time/period	O	1		39	37
					39	37
	Segment group 40	O	9		40	37
CTA	Contact information	M	1		40	37
COM	Communication contact	O	9		40	37
						37
	Segment group 41	O	99		41	37
EQA	Attached equipment	M	1		41	37
EQN	Number of units	O	1		41	37
						37
	Segment group 42	O	99		42	37
DGS	Dangerous goods	M	1		42	37
FTX	Free text	O	9		42	37
					42	37
	Segment group 43	O	9		43	37
CTA	Contact information	M	1		43	37
COM	Communication contact	O	9		43	37
						37
UNT	Message trailer	M	1			

UNB		Interchange Header		M	1	
Function To start, identify and specify an interchange						
S001	SYNTAX IDENTIFIER	M	1			
0001	Syntax identifier	M		an..4	UNOB	
0002	Syntax version number	M		a..1	2	
S002	INTERCHANGE SENDER	M	1			
0004	Sender identification	M		an..35	our sender ID	
0007	Partner identification	M		an..4	ZZ	
0008	Adress for reverse routing	O		an..14		
S003	INTERCHANGE RECIPIENT	M	1			
0010	Recipient Identification	M		an..35	your receiver ID	
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	IFTMIN	
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	"1" in case of a test	

Example: UNB+UNOB:2+BOSCH REXROTH:ZZ+9999999999:ZZ+060101:1300+00091++IFTMIN

UNH		Message header		M	1	
Function: To head, identify and specify a message						
0062	MESSAGE REFERENCE NUMBER	M		an..14	Contains a unique alphanumeric identification of a message	
S009						
MESSAGE IDENTIFIER		M	1			
0065	Message type	M		an..6	IFTMIN	
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		
S010						
STATUS OF THE TRANSFER		O	1			
0070	Sequence of transfers	M		n..2		
0073	First and last transfer	O				

Example: UNH+00000910000001+IFTMIN:D:99B:UN

BGM		Beginn of Message		M	1	
Function: The segment is used to transfer the order number						
C002	DOCUMENT/MESSAGE NAME	O	1			
1001	Document name code	M		an..3	610 = forwarding instructions	
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..3	number of forwarding instruction	
1056	Version	O		an..9		
1060	Revision number	O		an..6		
1225	MESSAGE FUNCTION CODE	M	1	an..3	9 = original	
4343	RESPONSE TYPE CODE	O	1	an..3		

Example: BGM+610+8002460928+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	137 = document message 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+137:20050101:102'

TSR		Transport service requirements		O	9	
Function: To specify the contract and carriage conditions and service and priority requirements for the transport.						
C536	CONTRACT AND CARRIAGE CONDITION	O	1			
4065	Contract and carriage condition code	M		an..3		
1131	Code list identification code	O		an..17		
3055	Code list responsible agency code	O		an..3		
C233	SERVICE	O	1			
7273	Service requirement code	M		an..3		
1131	Code list identification code	O		an..17		
3055	Code list responsible agency code	O		an..3		
7273	Service requirement code	O		an..3		
1131	Code list identification code	O		an..17		
3055	Code list responsible agency code	O		an..3		
C537	TRANSPORT PRIORITY	O	1			
4219	Transport service priority code	M		an..3	6 = Normal speed 7 = Express	
1131	Code list identification code	O		an..3		
3055	Code list responsible agency code	O		an..1		
C703	NATURE OF CARGO	C	1			
7085	Cargo type classification code	M		an..3		
1131	Code list identification code	O		an..17		
3055	Code list responsible agency code	O		an..3		

Example: TSR+++6'

MOA		MONETARY AMOUNT		O	99
Function: To specify a monetary amount.					
C516	MONETARY AMOUNT	M	1		
5025	Monetary amount type code qualifier	M		an..3	157 - Insurance value 44 - Carriage value
5004	Monetary amount value	O		n..35	
6345	Currency identification code	O		an..3	
6343	Currency qualifier	O		an..3	EUR
4405	Status description code	O		an..3	

Example: MOA+157:100:EUR'

Segment-Group: 2

TOD		TERMS OF DELIVERY OR TRANSPORT		O	1	
Function: To specify terms of delivery or transport.						
4055	DELIVERY OR TRANSPORT TERMS FUNCTION	O	1	an..3	6 = Delivery condition	
4215	TRANSPORT CHARGES PAYMENT METHOD CO	O	1	an..3		
C100	TERMS OF DELIVERY OR TRANSPORT	O	1			
4053	Delivery or transport terms description code	O		an..3	EXW = ex works DDP = delivered duty paid DDU = delivered duty unpaid	
1131	Code list identification code	O		an..17		
3055	Code list responsible agency code	O		an..3		
4052	Delivery or transport terms description	O		an..70		
4052	Delivery or transport terms description	O		an..70		

Example: TOD+6++DDP'


Segment-Group: 2

LOC	Place/Location Identification	O	1		
Function: To specify terms of delivery or transport.					
3227	Location function Qualifier	O	1	an..3	1 = Place of Delivery
C517	Location Identification	M	1		
3225	Location name code	O		an..3	
1131	Code list identification code	O		an..17	
3055	Code list responsible agency code	O		an..3	
3224	Location name	O		an..256	

Example: TOD+6++DDP'


Segment-Group: 3

RFF		Reference		O	1	
Function: References						
C506	Reference	M	1			
1153	Reference function code qualifier	M		an..3	DQ = delivery note number SRN = shipment reference SF = ship from CO = order number	
1154	Reference identifier	O		an..35		
1156	line number	O		an..6		
4000	Refernece version identifier	O		an..35		
1060	Revision number	O		an..6		

Example: RFF+DQ:1234'

Segment Group: 11 (M)

NAD		Name and address		M	1	
Function: To specify the name/address and their related function						
3035	PARTY FUNCTION CODE QUALIFIER	M	1	an..3	CZ = consignor (sender) CN = consignee (ship to) SU = supplier FW = freight forwarder PF = receiver of freight bill	
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	84 = state code	
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+CZ+123456++Bosch Rexroth AG:BRI Lohr+Bürgermeister Dr. Nebel Str.+Lohr++97816+DE'

Segment-Group: 18 (M)

GID		GOODS ITEM DETAILS		M	1
Function: To indicate totals of a goods item.					
1496	GOODS ITEM NUMBER	O	1	n..5	
C213	NUMBER AND TYPE OF PACKAGES	O	1		
7224	Number of packages	O		n..8	
7065	Package type description code	O		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
7064	Type of packages	O		an..35	
7233	Packaging related description code	O		an..3	
C213	NUMBER AND TYPE OF PACKAGES	O	1		
7224	Number of packages	O		n..8	
7065	Package type description code	O		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
7064	Type of packages	O		an..35	
7233	Packaging related description code	O		an..3	
C213	NUMBER AND TYPE OF PACKAGES	O	1		
7224	Number of packages	O		n..8	
7065	Package type description code	O		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
7064	Type of packages	O		an..35	
7233	Packaging related description code	O		an..3	
C213	NUMBER AND TYPE OF PACKAGES	O	1		
7224	Number of packages	O		n..8	
7065	Package type description code	O		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
7064	Type of packages	O		an..35	
7233	Packaging related description code	O		an..3	
C213	NUMBER AND TYPE OF PACKAGES	O	1		
7224	Number of packages	O		n..8	
7065	Package type description code	O		an..17	
1131	Code list identification code	O		an..3	
3055	Code list responsible agency code	O		an..3	
7064	Type of packages	O		an..35	
7233	Packaging related description code	O		an..3	

Example: GID+1+1:EP:::PALETTE 1 RAHMEN 1200 X 800 340'

Segment-Group: 20 (M)

MEA MEASUREMENTS		O 9999		
Function: To specify physical measurements, including dimension tolerances, weights and counts.				
6311	MEASUREMENT ATTRIBUTE CODE	M	1 an..3	WT = Weights VOL = Volume LMT = Loading meters
C502	MEASUREMENT DETAILS	O	1	
6313	Measured attribute code	O	an..3	AAB = Unit gross weight
6321	Measurement significance, coded	O	an..3	4 = equal to
6155	Non-discrete measurement name code	O	an..17	
6154	Non-discrete measurement name	O	an..70	
C174	VALUE/RANGE	O	1	
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
6314	Measurement value	O	an..18	gross weight
6162	Range minimum	O	n..18	
6152	Range maximum	O	n..18	
6432	Significant digits	O	n..2	
7383	SURFACE/LAYER CODE	C	1 an..3	

Example: MEA+AAI+AAB:4+KGM:14.800'

Segment-Group: 21 (O)

DIM		DIMENSIONS		M	1	
Function: To specify dimensions.						
6145	DIMENSION QUALIFIER	M	1	an..3	2 - Package dimensions	
C211	DIMENSIONS	M	1			
6411	Measurement unit code	M		an..3	MTR = meter	
6168	Length dimension	M		n.. 15		
6140	Width dimension	M		n.. 15		
6008	Height dimension	M		n.. 15		

Example: DIM+2+MTR:0.78:0.58:0.36'

Segment-Group: 22

RFF		Reference		O	1	
Function: References						
C506	Reference	M	1			
1153	Reference function code qualifier	M		an..3	CU = consignors reference	
1154	Reference identifier	O		an..35		
1156	line number	O		an..6		
4000	Refernece version identifier	O		an..35		
1060	Revision number	O		an..6		

Example: RFF+CU:1004577457'

Segment Group: 23 (M)

PCI		Package identification		M	1	
Function: To specify markings and labels on individual packages or physical units.						
4233	MARKING INSTRUCTIONS CODED	M	1	an..3	12 = Mark running number of packages	
C210	MARKS & LABELS	O	1			
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
7102	Shipping marks	M		an..35		
8275	CONTAINER OR PACKAGE STATE CODED					
C827	TYPE OF MARKING	O	1			
7511	Type of marking coded	O		an..3		
1131	Code list identification code	O		an..3		
3055	Code list responsible agency code	O		an..3		

Example: PCI+12+00340230838055074013'

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 REFERENCE NUMBER	M	1	an..14	message reference (like UNH)	

Example: UNT+15+00000910000001

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+1+00091



Version: 1.3