

# **EDI GUIDE**

## **XML - DELFOR02**



**Who should read this document?**

This document is for EDI-administrators who will implement this EDI-guide to be able to send XML-IDOC delivery schedules (DELFOR) to 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.

The declaration as mandatory of certain segment groups, segments or fields may differ from the description of the standard SAP DELFOR02. We have changed the declaration of some elements from optional to mandatory as they are important for our processes. Organizational data such as AG, LF may differ from the examples provided, based on the relevant scenario of a customer relationship (Incoming DELFOR)

If you have questions to this guide, send an e-mail to: [SupportSales.EDI@de.bosch.com](mailto:SupportSales.EDI@de.bosch.com)

tag	min	max	O/M	content/example	description
<?xml version="1.0" encoding="UTF-8" ?>					
<DELFOR02>	0	1			
<IDOC BEGIN="">	1	-1			
<EDI_DC40 SEGMENT="">	1	1	M		<b>Control record: addressing the message</b>
<MANDT></MANDT>	0	1			client
<DOCNUM></DOCNUM>	0	1			idoc number
<DOCREL></DOCREL>	0	1			release
<STATUS></STATUS>	0	1			status of idoc
<DIRECT></DIRECT>	1	1	O 2		direction
<OUTMOD></OUTMOD>	0	1			output mode
<EXPRSS></EXPRSS>	0	1			overriding in inbound processing
<TEST></TEST>	0	1			test flag
<IDOCTYP></IDOCTYP>	1	1	M	DELFOR01/DELFOR02	name of basic type
<CIMTYP></CIMTYP>	0	1			extension
<MESTYP></MESTYP>	1	1	M	DELFOR	message type
<MESCOD></MESCOD>	0	1			message code
<MESFCT></MESFCT>	0	1			message function
<STD></STD>	0	1			EDI standard, flag
<STDVRS></STDVRS>	0	1			EDI standard, version
<STDMES></STDMES>	0	1			message type
<SNDPOR></SNDPOR>	1	1			sender port
<SNDPRT></SNDPRT>	1	1	M	KU	partner type of sender
<SNDPFC></SNDPFC>	0	1	M	AG	partner function of sender
<SNDPRN></SNDPRN>	1	1	M		sender number in target system
<SNDSAD></SNDSAD>	0	1			logical address of sender
<SNLAD></SNLAD>	0	1			receiver port
<RCVPOR></RCVPOR>	1	1	M	LI	partner type of recipient
<RCVPRT></RCVPRT>	1	1	M	LF	partner number of recipient
<RCVPFC></RCVPFC>	0	1	M		recipient number in own system
<RCVPRN></RCVPRN>	1	1			logical address of recipient
<RCVSAD></RCVSAD>	0	1	M		created on
<RCVLAD></RCVLAD>	0	1			time created
<CREDAT></CREDAT>	0	1			transmission file
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<REFINT></REFINT>	0	1			message
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<REFMES></REFMES>	0	1			serialization
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<SERIAL></SERIAL>	0	1			
</EDI_DC40>					
<E1EDK09 SEGMENT="1">	1	1	M		<b>E1EDK09: Header data for suppliers plus user fields</b>
<VTRNR></VTRNR>	0	1	M	contract number	Contract number
<BSTDK></BSTDK>	0	1			Customer purchase order date
<LABNK></LABNK>	0	1			Customer number for forecast / JIT div. sched.
<ZEICH></ZEICH>	0	1			Reference of orderer
<BSTZD></BSTZD>	0	1			Account assignment
<ABRVW></ABRVW>	0	1			Usage indicator
<KSTAT></KSTAT>	0	1			Translator status
<KTEXT></KTEXT>	0	1			Error text from translator
<ABNRA></ABNRA>	0	1			Customer number for forecast / JIT div. sched.
<ABNRD></ABNRD>	0	1			Delivery Schedule Date
<KTEXT_V></KTEXT_V>	0	1			Search term for product proposal
<USR01></USR01>	0	1			Additional data field 1 for delivery schedules
<USR02></USR02>	0	1			Additional data field 2 for delivery schedules
<USR03></USR03>	0	1			Additional data field 3 for delivery schedules
<USR04></USR04>	0	1			Additional data field 4 for delivery schedules
<USR05></USR05>	0	1			Additional data field 5 for delivery schedules
<CYEFZ></CYEFZ>	0	1			Cumulative quantity reached on date zero setting made
<CYDAT></CYDAT>	0	1			Date on which cumulative received quantity set to zero
<MFLAUF></MFLAUF>	0	1	M/O		Material go-ahead - validity period
<MFEIN></MFEIN>	0	1	M/O	1 = day 2 = week 3 = month	Material go-ahead - unit validity period
<FFLAUF></FFLAUF>	0	1	M/O		Production go-ahead - validity period
<FFEIN></FFEIN>	0	1	M/O	see <MFEIN>	Production go-ahead - Unit validity period
</E1EDK09>					

tag	min	max	O/M	content/example	description
<b>&lt;E1EDK10 SEGMENT="1"&gt;</b>	1	1	O		<b>E1EDK10: User header data</b>
<DUMMY></DUMMY>	1	1			dummy
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<b>&lt;E1EDKA1 SEGMENT="1"&gt;</b>	1	-1	M		<b>E1EDKA1: Document Header Partner Information</b>
<PARVW></PARVW>	0	1	M	AG = buyer LF = supplier WE = consignee (ship to)	Partner function (e.g. sold-to party, ship-to party, ...)
<PARTN></PARTN>	0	1	M	partner number	Partner number
<LIFNR></LIFNR>	0	1			Vendor number at customer location
<NAME1></NAME1>	0	1	M	name1	Name 1
<NAME2></NAME2>	0	1	O	name2	Name 2
<NAME3></NAME3>	0	1	O	name3	Name 3
<NAME4></NAME4>	0	1	O	name4	Name 4
<STRAS></STRAS>	0	1	M	street	Street and house number 1
<STRS2></STRS2>	0	1			Street and house number 2
<PFACH></PFACH>	0	1			P.O. Box
<ORT01></ORT01>	0	1	M	city	City
<COUNC></COUNC>	0	1			County code
<PSTLZ></PSTLZ>	0	1	M	postal code	Postal code
<PSTL2></PSTL2>	0	1			P.O. Box postal code
<LAND1></LAND1>	0	1	M	country	Country key
<ABLAD></ABLAD>	0	1			Unloading point
<PERNR></PERNR>	0	1			Contact person's personnel number
<PARNR></PARNR>	0	1			Contact person's number (not personnel number)
<TELF1></TELF1>	0	1	O	phone	1st telephone number of contact person
<TELF2></TELF2>	0	1			2nd telephone number of contact person
<TELBX></TELBX>	0	1			Telebox number
<TELFX></TELFX>	0	1	O	fax	Fax number
<TELTXT></TELTXT>	0	1			Teletex number
<TELEX1></TELEX1>	0	1			Telex number
<SPRAS></SPRAS>	0	1	M	language DE = Germany FR = France ... (other ISO-Codes)	Language key
<ANRED></ANRED>	0	1			FormOfAddr
<ORT02></ORT02>	0	1			District
<HAUSN></HAUSN>	0	1			House number
<STOCK></STOCK>	0	1			Floor
<REGIO></REGIO>	0	1			Region
<PARGE></PARGE>	0	1			Partner's gender
<ISOAL></ISOAL>	0	1			Country ISO code
<ISONU></ISONU>	0	1			Country ISO code
<FCODE></FCODE>	0	1			Company key (France)
<IHREZ></IHREZ>	0	1			Your reference (Partner)
<BNAME></BNAME>	0	1	O	contact	IDoc user name
<PAORG></PAORG>	0	1			IDOC organization code
<ORGTX></ORGTX>	0	1			IDoc organization code text
<PAGRU></PAGRU>	0	1			IDoc group code
<KNREF></KNREF>	0	1			Customer description of partner (plant, storage location)
<ILNNR></ILNNR>	0	1			Character field, length 70
<PFORT></PFORT>	0	1			PO Box city
<SPRAS_ISO></SPRAS_ISO>	0	1			Language according to ISO 639
<TITLE></TITLE>	0	1			Title
<b>&lt;/E1EDKA1&gt;</b>					
<b>&lt;E1EDK11 SEGMENT="1"&gt;</b>	1	-1	O		<b>E1EDK11: Header texts suppliers</b>
<TDNAME></TDNAME>	0	1			EDI text function
<SPRAS></SPRAS>	0	1			Language key
<TXTLF></TXTLF>	0	1			Additional text (sequential number)
<TXT01></TXT01>	0	1			Text continued
<TXT02></TXT02>	0	1			Text continued
<TXT03></TXT03>	0	1			Text continued
<TXT04></TXT04>	0	1			Text continued
<TXT05></TXT05>	0	1			Text continued
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<TXT14></TXT14>	0	1			Text continued
<TSSPRAS_ISO></TSSPRAS_ISO>	0	1			Language according to ISO 639
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<b>&lt;E1EDP10 SEGMENT="1"&gt;</b>	1	-1	M		<b>E1EDP10: Item data</b>
<IDNKD></IDNKD>	0	1	M		Material number of customer
<ARKTX></ARKTX>	0	1	M		EDI product short text
<VRKME></VRKME>	0	1	M		Sales unit
<KWERK></KWERK>	0	1	M		Customer plant
<KLGOR></KLGOR>	0	1			Telecommunication Storage Location of Customer
<DFABL></DFABL>	0	1			Unloading point at customer location
<VBRST></VBRST>	0	1			Customer point of consumption
<BELNR></BELNR>	0	1	M		Number of last delivery received - EDI
<LFIMG></LFIMG>	0	1	M		Last schedule line quantity delivered - EDI
<VEMNG></VEMNG>	0	1			Last schedule line quantity received
<LIDTL></LIDTL>	0	1	M		Date of last delivery posted by the customer
<LIFST></LIFST>	0	1			Delivery status key
<KRITB></KRITB>	0	1			Key for high priority stock
<ABHOR></ABHOR>	0	1			JIT horizon
<ABDAT></ABDAT>	0	1			Reconciliation date for agreed cumulative quantity
<FZDIF></FZDIF>	0	1			EDI: Difference between cumulative quantities
<AKUBM></AKUBM>	0	1	O		Current cumulative quantity ordered
<AKUEM></AKUEM>	0	1	O		Current cumulative quantity received
<DESRE></DESRE>	0	1			Design revision number
<ECHNO></ECHNO>	0	1			Engineering change number
<ECHDT></ECHDT>	0	1			Engineering change date
<ABFDE></ABFDE>	0	1			End of production go-ahead
<MFADT></MFADT>	0	1			Cumulative production go-ahead quantity requirements
<ABMDE></ABMDE>	0	1			End of material go-ahead
<FPSDN></FPSDN>	0	1			FPSD number
<LABKY></LABKY>	0	1			Delivery schedule key
<TSTKY></TSTKY>	0	1			Status key for parts
<DOKPF></DOKPF>	0	1			Documentation Required for Inspection Results
<KZAUS></KZAUS>	0	1			Discontinuation indicator
<ABRAB></ABRAB>	0	1			Div. sched. valid from
<ABRBI></ABRBI>	0	1			SA rel. valid to
<SCREL></SCREL>	0	1			Release schedule
<NULDT></NULDT>	0	1			Figures set to zero on
<TEART></TEART>	0	1			ID for dispatch/arrival time
<SOLLFZ></SOLLFZ>	0	1			Target cumulative quantity
<SOLLDT></SOLLDT>	0	1			Target date for target cumulative quantity
<IDNLF></IDNLF>	0	1	O		Material number of vendor
<BSTDK></BSTDK>	0	1	M		Customer purchase order date
<LABNK></LABNK>	0	1	M		Customer number for forecast
<ABNRA></ABNRA>	0	1	M		previous Customer number for forecast
<ABNRD></ABNRD>	0	1	O		date of last forecast
<VTRNR></VTRNR>	0	1			Contract number
<MFRFZ></MFRFZ>	0	1			Material go-ahead for cumulative requirements
<POSEX></POSEX>	0	1			Item number of the underlying customer purchase order
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tag	min	max	O/M	content/example	description
<b>&lt;E1EDP36 SEGMENT="1"&gt;</b>	1	1	O		<b>E1EDP36: Last Deliveries</b>
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<BELNR></BELNR>	0	1			Number of last delivery received - EDI
<BELDAT></BELDAT>	0	1			Delivery Note Date
<BELTIM></BELTIM>	0	1			Delivery Note Time
<LFIMG></LFIMG>	0	1			Last schedule line quantity delivered - EDI
<VRKME></VRKME>	0	1			Sales unit
<VEMNG></VEMNG>	0	1			Last schedule line quantity received
<LIKME></LIKME>	0	1			Order unit
<LIDTL></LIDTL>	0	1			Goods Receipt Date
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<PCKAR></PCKAR>	0	1			Packing type
<PCKNR></PCKNR>	0	1			Customer number of shipping unit
<ANZPK></ANZPK>	0	1			Number of packages
<PCKSL></PCKSL>	0	1			Key for packing type
<ANZAR></ANZAR>	0	1			Number of products per shipping unit
<MAZAR></MAZAR>	0	1			Units of measure for type/shipping unit
<MMPCK></MMPCK>	0	1			Unit of measure for length/breadth/height of shipping unit
<LPACK></LPACK>	0	1			Length of shipping unit
<BPACK></BPACK>	0	1			Width of shipping unit
<HPACK></HPACK>	0	1			Height of shipping unit
<MGPCK></MGPCK>	0	1			Unit of measure for weight/shipping unit
<GPACK></GPACK>	0	1			Gross weight of shipping unit
<NPACK></NPACK>	0	1			Net weight of shipping unit
<VPACK></VPACK>	0	1			Package volume
<GDATV></GDATV>	0	1			Validity date for packing
<b>&lt;/E1EDP14&gt;</b>					
<b>&lt;E1EDP15 SEGMENT="1"&gt;</b>	1	-1	O		<b>E1EDP15: Item texts</b>
<TDNAME></TDNAME>	0	1			EDI text function
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<TXT03></TXT03>	0	1			Text continued
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<TXT05></TXT05>	0	1			Text continued
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<ETYP></ETYP>	0	1	M	" " = fix 1 = fix 2 = backorder 3 = immediate 4 = planning/forecast 9 = deliver to schedule	Schedule line type EDI
<PRGRS></PRGRS>	0	1	M	" " = day "D" = day "W" = week "M" = month "I" = interval	Date type
<EDATUV></EDATUV>	0	1	M	delivery date or first day of week/month	Schedule line date from
<EZEIT></EZEIT>	0	1			Release order time
<EDATUB></EDATUB>	0	1	O	last day of week/month	Schedule line date until
<ETVTF></ETVTF>	0	1			Schedule line distribution function
<WMENG></WMENG>	0	1	M		Released quantity
<FZABR></FZABR>	0	1			Cumulative received quantity of the schedule line
<BSTAS></BSTAS>	0	1			Requirements status key
<WDATUV></WDATUV>	0	1			Scheduled goods issue date from
<WZEIT></WZEIT>	0	1			Scheduled goods issue time
<WDATUB></WDATUB>	0	1			Scheduled goods issue date to
<b>&lt;/E1EDP16&gt;</b>					
<b>&lt;/IDOC&gt;</b>					
<b>&lt;/DELFOR02&gt;</b>					