



EDI GUIDE

XML-DELFOR02

Version 1.0

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Änderungsblatt

Version	changed	from	Site	Notes
1.0	11.05.2020	Leo Grenz		Created

Who should read this document?

This document is for the EDI administrators who will implement a solution to be able to receive XML-IDOC delivery schedules (DELFOR) sent by ifm electronic.

Explanation of usage:

If a segment is mandatory (M), it will be included 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 that it is not required that the segment is included, but as soon as the segment is included, the mandatory fields will 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 will appear in the data file as soon as the segment group is included.

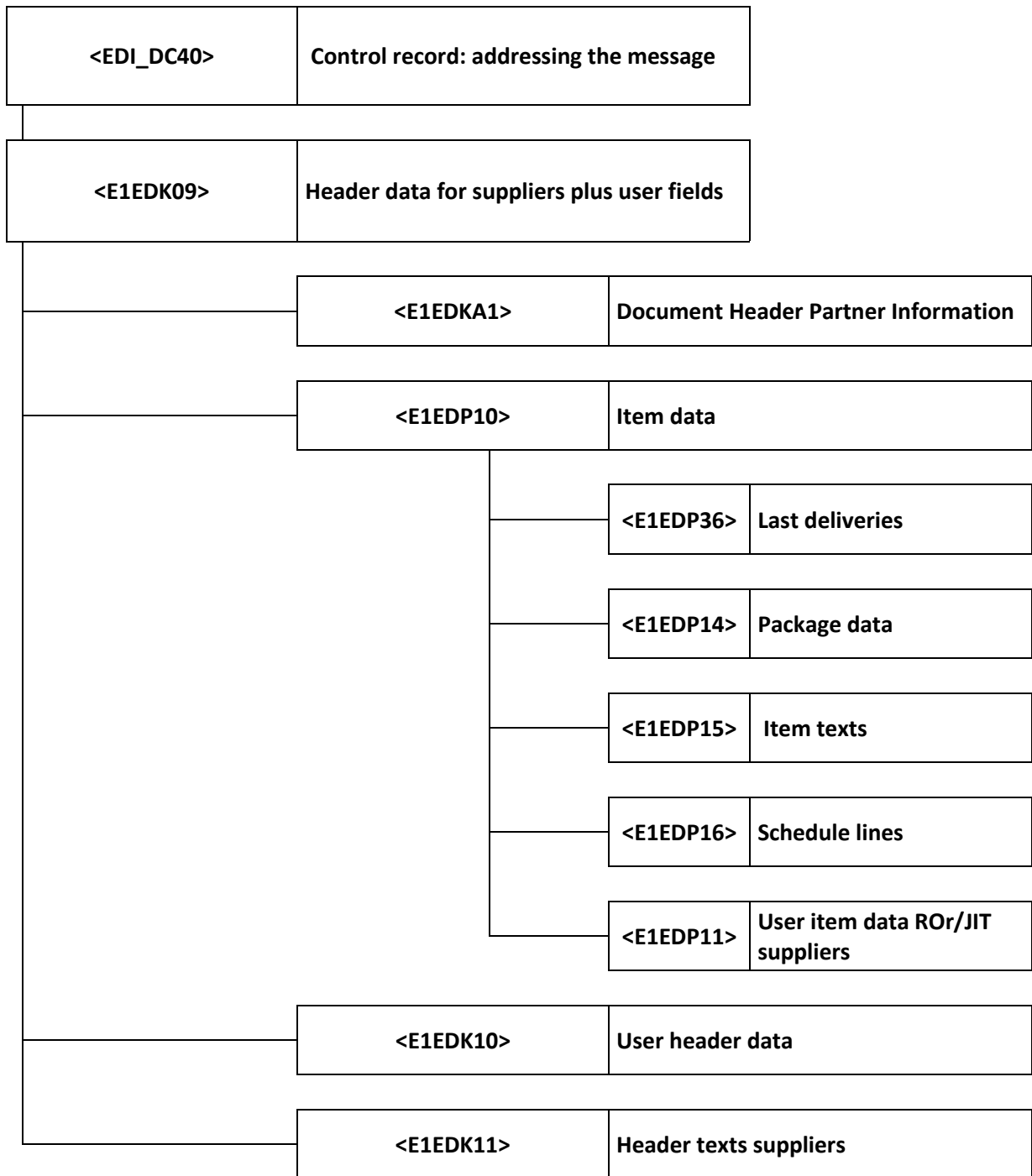
Based on the business process certain fields will always be filled as they are mandatory for the underlying process despite being technically marked as optional.

Organizational data such as AG, LF, WE may differ from the examples provided, based on the relevant scenario of a customer relationship.

Details for the technical connection and contacts for the development phase can be found in the ifm connection sheet.

If you have any questions concerning this guide, please send an e-mail to:
edi.support@ifm.com

1.0 Message structure



2.0 Segment description

field	Pos. Seg.	type	length	M/O	content/ example	description en
DELFOR02						
<EDI_DC40> Control record: addressing the message						
TABNAM	1	CHAR	10	M		constant value "EDI_DC40"
MANDT	2	CLNT	3	O		client
DOCNUM	3	CHAR	16	M		idoc number
DOCREL	4	CHAR	4	O		release
STATUS	5	CHAR	2	O		status of idoc
DIRECT	6	CHAR	1	M		direction
OUTMOD	7	CHAR	1			output mode
EXPRSS	8	CHAR	1			overriding in inbound processing
TEST	9		1			test flag
IDOCTYP	10	CHAR	30	M	DELFOR02	name of basic type
CIMTYP	11	CHAR	30	O		extension
MESTYP	12	CHAR	30	M	DELFOR	message type
MESCOD	13	CHAR	3	O		message code
MESFCT	14	CHAR	3	O		message function
STD	15	CHAR	1			EDI standard, flag
STDVRS	16	CHAR	6			EDI standard, version
STDMES	17	CHAR	6			message type
SNDPOR	18	CHAR	10	M		sender port
SNDPRT	19	CHAR	2	M	KU	partner type of sender
SNDPFC	20	CHAR	2		AG	partner function of sender
SNDPRN	21	CHAR	10	M	sender number in target system	sender address
SNDSAD	22	CHAR	21			logical address of sender
SNDLAD	23	CHAR	70			receiver port
RCVPOR	24	CHAR	10	M	LI	partner type of recipient
RCVPRT	25	CHAR	2	O	LF	partner number of recipient
RCVPFC	26	CHAR	2	O	recipient number in own system	recipient address
RCVPRN	27	CHAR	10	O		logical address of recipient
RCVSAD	28	CHAR	21	O		
RCVLAD	29	CHAR	70	O		
CREDAT	30	DATS	8	O	sending date (YYYYMMDD)	created on
CRETIM	31	TMS	6	O	sending time (HHMMSS)	time created
REFINT	32	CHAR	14			message
REFGRP	33	CHAR	14			key for external archive
REFMES	34	CHAR	14			serialization
ARCKEY	35	CHAR	70			
SERIAL	36	CHAR	20	O		serialization
<E1EDK09> M 1/1 Header data for suppliers plus user fields						



field	Pos. Seg.	type	length	M/O	content/ example	description en
VTRNR	1	CHAR	35	O	5500000322	Contract number
BSTDK	2	DATS	8	O	20200323	Customer purchase order date
LABNK	3	CHAR	17	O	226	Customer number for forecast
ZEICH	4	CHAR	70	O		Reference of orderer
BSTZD	5	CHAR	70	O		Account assignment
ABRVW	6	CHAR	3	O		Usage indicator
KSTAT	7	CHAR	2	O		Translator status
KTEXT	8	CHAR	70	O		Error text from translator
ABNRA	9	CHAR	17	O	225	Customer number for forecast
ABNRD	10	DATS	8	O	20200316	Delivery Schedule Date
KTEXT_V	11	CHAR	40	O		Search term for product proposal
USR01	12	CHAR	35	O		Additional data field 1 for delivery schedules
USR02	13	CHAR	35	O		Additional data field 2 for delivery schedules
USR03	14	CHAR	35	O		Additional data field 3 for delivery schedules
USR04	15	CHAR	10	O		Additional data field 4 for delivery schedules
USR05	16	CHAR	10	O		Additional data field 5 for delivery schedules
CYEFZ	17	CHAR	15	O		Cumulative quantity reached on date zero setting made
CYDAT	18	DATS	8	O	0	Date on which cumulative received quantity set to zero
MFLAUF	19	NUMC	3	O		Material go-ahead - validity period
MFEIN	20	CHAR	1	O	1= day, 2= week, 3= month	Material go-ahead - unit validity period
FFLAUF	21	NUMC	3	O		Production go-ahead - validity period
FFEIN	22	CHAR	1	O		Production go-ahead - Unit validity period
<E1EDKA1> M 1/9999 Document Header Partner Information						
PARVW	1	CHAR	3	O	AG=buyer, LF= supplier, WE= consignee, EK=buying Person, AP=Contact, BA=Bank address of Partner	Partner function



field	Pos. Seg.	type	length	M/O	content/ example	description en
PARTN	2	CHAR	17	O	1110 = ifm electronic 1210 = ifm syntron 1310 = ifm prover 1410 = ifm ecomatic 1510 = ifm flexpro 2720 = ifm efactor	Partner number
LIFNR	3	CHAR	17	O		Vendor number at customer location
NAME1		CHAR	35	O	TTI, Inc.	Name 1
NAME2	5	CHAR	35	O		Name 2
NAME3	6	CHAR	35	O		Name 3
NAME4	7	CHAR	35	O		Name 4
STRAS	8	CHAR	35	O	Ganghoferstr. 34	Street and house number 1
STRS2	9	CHAR	35	O		Street and house number 2
PFACH	10	CHAR	35			P.O. Box
ORT01	11	CHAR	35	O	Maisach-Gernlinden	City
COUNC	12	CHAR	9	O		County code
PSTLZ	13	CHAR	9	O	82216	Postal code
PSTL2	14	CHAR	9			P.O. Box postal code
LAND1	15	CHAR	3	O	DE	Country key
ABLAD	16	CHAR	35	O		Unloading point
PERNR	17	CHAR	30			Contact person's personnel number
PARNR	18	CHAR	30			Contact person's number (not personnel number)
TELF1	19	CHAR	25	O	75425181464	1st telephone number of contact person
TELF2	20	CHAR	25	O		2nd telephone number of contact person
TELBX	21	CHAR	25			Telebox number
TELFX	22	CHAR	25	O	081426680-490	Fax number
TELTX	23	CHAR	25			Teletex number
TELX1	24	CHAR	25			Telex number



field	Pos. Seg.	type	length	M/O	content/ example	description en
SPRAS	25	CHAR	1	O	D	Language key
ANRED	26	CHAR	15	O		FormOfAddr
ORT02	27	CHAR	35	O		District
HAUSN	28	CHAR	6			House number
STOCK	29	CHAR	6			Floor
REGIO	30	CHAR	3		9	Region
PARGE	31	CHAR	1			Partner's gender
ISOAL	32	CHAR	2			Country ISO code
ISONU	33	CHAR	2			Country ISO code
FCODE	34	CHAR	20			Company key (France)
IHREZ	35	CHAR	30	O		Your reference (Partner)
BNAME	36	CHAR	35	O		IDoc user name
PAORG	37	CHAR	30	O	1100	IDOC organization code
ORGTX	38	CHAR	35	O	ifm electronic gmbh	IDoc organization code text
PAGRU	39	CHAR	30		207	IDoc group code
KNREF	40	CHAR	30	O		Customer description of partner (plant, storage location)
ILNNR	41	CHAR	70	O		Character field, length 70
PFORT	42	CHAR	35			PO Box city
SPRAS_ISO	43	CHAR	2	O	DE	Language according to ISO 639
TITLE	44	CHAR	15			Title
<E1EDP10> M 1/99999 Item data						
IDNKD	1	CHAR	35	O	5311499	Material number of customer
ARKTX	2	CHAR	35	O		EDI product short text
VRKME	3	UNIT	3	O	PCE	Sales unit
KWERK	4	CHAR	20	O	1110	Customer plant
KLGOR	5	CHAR	7	O	TT00 = Halle 8 TT16 = Halle 16	Telecommunication Storage Location of Customer
DFABL	6	CHAR	17	O		Unloading point at customer location
VBRST	7	CHAR	14	O		Customer point of consumption



field	Pos. Seg.	type	length	M/O	content/ example	description en
BELNR	8	CHAR	35	O	786921701	Number of last delivery received - EDI
LFIMG	9	CHAR	15	O	2880000	Last schedule line quantity delivered - EDI
VEMNG	10	CHAR	15	O	2880000	Last schedule line quantity received
LIDTL	11	DATS	8	O	20200323	Date of last delivery posted by the customer
LIFST	12	CHAR	1	O	I	Delivery status key
KRITB	13	CHAR	1	O		Key for high priority stock
ABHOR	14	DATS	8	O		JIT horizon
ABDAT	15	DATS	8	O	0	Reconciliation date for agreed cumulative quantity
FZDIF	16	CHAR	15	O		EDI: Difference between cumulative quantities
AKUBM	17	CHAR	15	O	409635000	Current cumulative quantity ordered
AKUEM	18	CHAR	15	O	323235000	Current cumulative quantity received
DESRE	19	CHAR	1	O		Design revision number
ECHNO	20	CHAR	1	O		Engineering change number
ECHDT	21	CHAR	8	O		Engineering change date
ABFDE	22	DATS	8	O	20200406	End of production go-ahead
MFADT	23	CHAR	15	O		Cumulative production go-ahead quantity requirements
ABMDE	24	DATS	8	O		End of material go-ahead
FPSDN	25	CHAR	22	O		FPSD number
LABKY	26	CHAR	1	O		Delivery schedule key
TSTKY	27	CHAR	2	O		Status key for parts
DOKPF	28	CHAR	1	O		Documentation Required for Inspection Results
KZAUS	29	CHAR	1	O		Discontinuation indicator
ABRAB	30	DATS	8	O		Div.sched. Valid from
ABRBI	31	DATS	8	O	20210930	SA rel. Valid to
SCREL	32	CHAR	2	O	3	Release schedule
NULDT	33	DATS	8	O		Figures set to zero on
TEART	34	CHAR	1	O		ID for dispatch/arrival time
SOLLFZ	35	CHAR	15	O		Target cumulative quantity
SOLLDT	36	DATS	8	O		Target date for target cumulative quantity



field	Pos. Seg.	type	length	M/O	content/ example	description en
IDNLF	37	CHAR	35	0		Material number of vendor
BSTDK	38	DATS	8	0	20200323	Customer purchase order date
LABNK	39	CHAR	17	0	226	Customer number for forecast
ABNRA	40	CHAR	17	0	225	previous Customer number for forecast
ABNRD	41	DATS	8	0	20200316	date of last forecast
VTRNR	42	CHAR	35	0	5500000322	Contract number
MFRFZ	43	CHAR	15	0		Material go-ahead for cumulative requirements
POSEX	44	CHAR	6	0	10	Item number of the underlying customer purchase order
IDNKD_EXTERNAL	45	CHAR	40			
IDNKD_GUID	46	CHAR	32			
IDNKD_VERSION	47	CHAR	10			
<E1EDP36> O 1/99999 Last deliveries						
LIFST	1	CHAR	1	0	I	Delivery status key
BELNR	2	CHAR	35	0	786921701	Number of last delivery received - EDI
BELDAT	3	DATS	8	0	20200323	Delivery Note Date
BELTIM	4	CHAR	6	0		Delivery Note Time
LFIMG	5	CHAR	15	0	2880000	Last schedule line quantity delivered - EDI
VRKME	6	UNIT	3	0	PCE	Sales unit
VEMNG	7	CHAR	15	0	2880000	Last schedule line quantity received
LIKME	8	UNIT	3	0	PCE	Order unit
LIDTL	9	DATS	8	0	20200323	Goods Receipt Date
LIDTIM	10	CHAR	6	0	62326	Goods Receipt Time
<E1EDP14> O 1/99999 Package data						
PCKAR	1	CHAR	35	0	1P80B120L65H	Packing type
PCKNR	2	CHAR	35	0	60000004	Customer number of shipping unit
ANZPK	3	CHAR	15	0		Number of packages
PCKSL	4	CHAR	2	0		Key for packing type
ANZAR	5	CHAR	15	0	5040000	Number of products per shipping unit
MAZAR	6	CHAR	3	0	ST	Units of measure for type/shipping unit
MMPCCK	7	CHAR	3	0		Unit of measure for length/breadth/height of shipping unit



field	Pos. Seg.	type	length	M/O	content/ example	description en
LPACK	8	CHAR	5	O		Length of shipping unit
BPACK	9	CHAR	5	O		Width of shipping unit
HPACK	10	CHAR	5	O		Height of shipping unit
MGPCK	11	CHAR	3	O		Unit of measure for weight/shipping unit
GPACK	12	CHAR	11	O		Gross weight of shipping unit
NPACK	13	CHAR	11	O		Net weight of shipping unit
VPACK	14	CHAR	11	O		Package volume
GDTV	15	CHAR	8	O		Validity date for packing
<E1EDP15> O 1/99999 Item texts						
TDNAME	1	CHAR	4	O		EDI text function
SPRAS	2	CHAR	3	O	D	Language key
TXTLF	3	CHAR	2	O		Additional text (sequential number)
TXT01	4	CHAR	70	O		Text continued
TXT02	5	CHAR	70	O		Text continued
TXT03	6	CHAR	70	O		Text continued
TXT04	7	CHAR	70	O		Text continued
TXT05	8	CHAR	70	O		Text continued
TXT06	9	CHAR	70	O		Text continued
TXT07	10	CHAR	70	O		Text continued
TXT08	11	CHAR	70	O		Text continued
TXT09	12	CHAR	70	O		Text continued
TXT10	13	CHAR	70	O		Text continued
TXT11	14	CHAR	70	O		Text continued
TXT12	15	CHAR	70	O		Text continued
TXT13	16	CHAR	70	O		Text continued
TXT14	17	CHAR	70	O		Text continued
TSSPRAS_ISO	18	CHAR	2	O		Language according to ISO 639
<E1EDP16> M 1/99999 Schedule lines						



field	Pos. Seg.	type	length	M/O	content/ example	description en
ETYP	1	CHAR	1	O	""= fix 1=fix 2=backorder 3=immediate 4=planning/forecast 9=deliver to schedule	Schedule line type EDI
PRGRS	2	CHAR	1	O	""=day D=day W=week M=month I=interval	Date type
EDATUV	3	DATS	8	O	delivery date or first day of the week/month	Schedule line date from
EZEIT	4		4	O		Release order time
EDATUB	5	DATS	8	O	last day of the week/month	Schedule line date until
ETVTF	6	CHAR	2	O		Schedule line distribution function
WMENG	7	CHAR	15	O	0	Released quantity
FZABR	8	CHAR	15	O	323235000	Cumulative received quantity of the schedule line
BSTAS	9	CHAR	1	O		Requirements status key
WDATUV	10	CHAR	8	O		Scheduled goods issue date from
WZEIT	11	CHAR	4	O		Scheduled goods issue time
WDATUB	12	DATS	8	O		Scheduled goods issue date to
LDATUV	13	DATS	8	O		
LZEIT	14		4	O		
LDATUB	15	DATS	8	O		
BSTGRU	16	CHAR	3	O		
TRANSP	17	CHAR	10	O		
TRANSPDESC	18	CHAR	40	O		
<E1EDP11>	O	1/1	User item data ROr/JIT suppliers			
	DUMMY	1	CHAR	1		dummy
<E1EDK10>	O	1/1	User header data			
	DUMMY	1	CHAR	1		dummy
<E1EDK11>	O	1/99999	Header texts suppliers			
	TDNAME	1	CHAR	4	O	EDI text function



field	Pos. Seg.	type	length	M/O	content/ example	description en
SPRAS	2	CHAR	3	0		Language key
TXTLF	3	CHAR	2	0		Additional text (sequential number)
TXT01	4	CHAR	70	0		Text continued
TXT02	5	CHAR	70	0		Text continued
TXT03	6	CHAR	70	0		Text continued
TXT04	7	CHAR	70	0		Text continued
TXT05	8	CHAR	70	0		Text continued
TXT06	9	CHAR	70	0		Text continued
TXT07	10	CHAR	70	0		Text continued
TXT08	11	CHAR	70	0		Text continued
TXT09	12	CHAR	70	0		Text continued
TXT10	13	CHAR	70	0		Text continued
TXT11	14	CHAR	70	0		Text continued
TXT12	15	CHAR	70	0		Text continued
TXT13	16	CHAR	70	0		Text continued
TXT14	17	CHAR	70	0		Text continued
TSSPRAS_ISO	18	CHAR	2	0		Language according to ISO 639

	Not used
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