



EDI GUIDE

XML-ORDERS05

Version 1.0

last change: 27.05.2020

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Änderungsblatt

Version	changed	from	Site	Notes
1.0	14.05.2020	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.

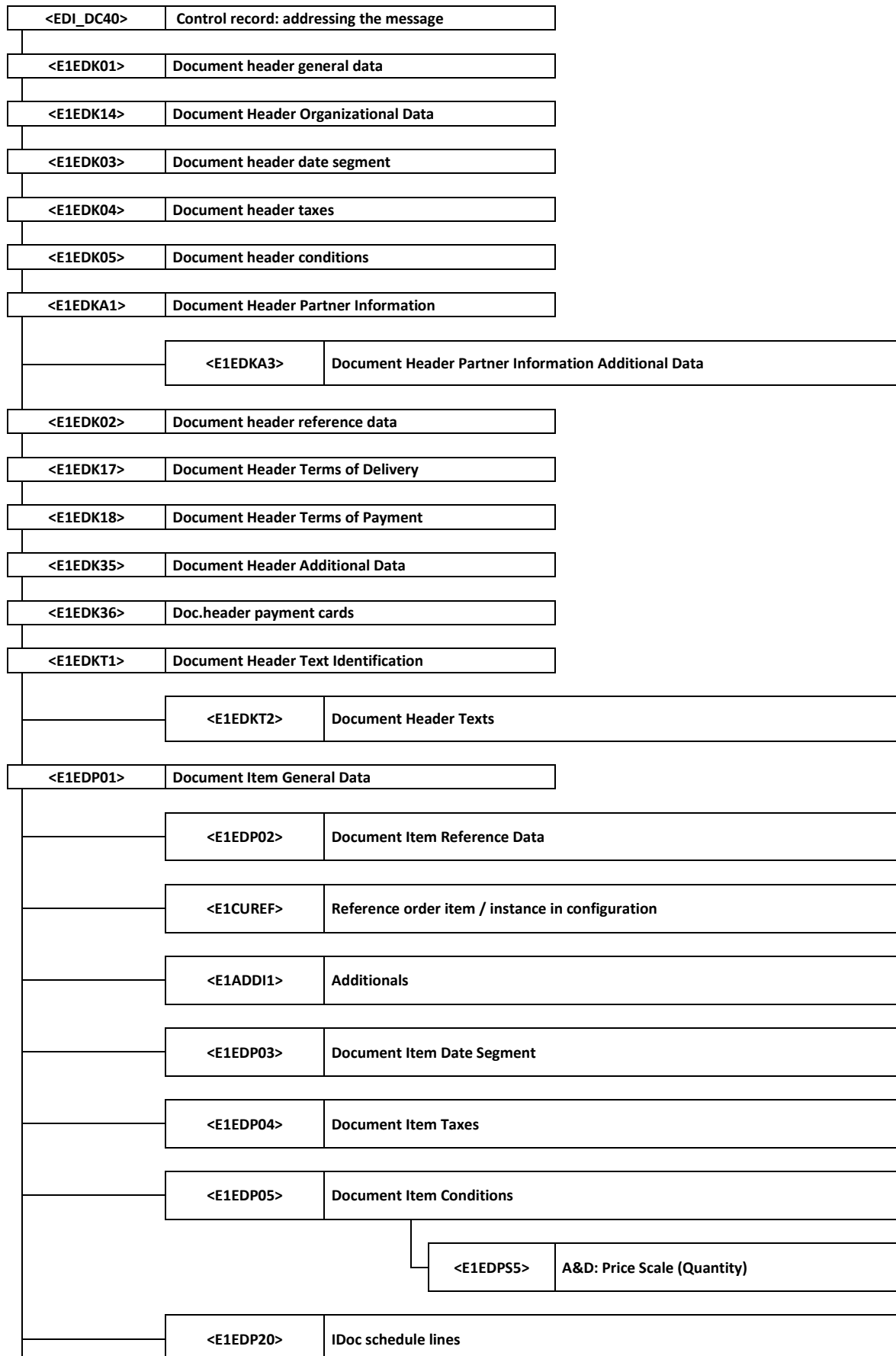
Based on the business process certain fields will always be filled as they are mandatory for the underlying process despite being technically marked as optional.

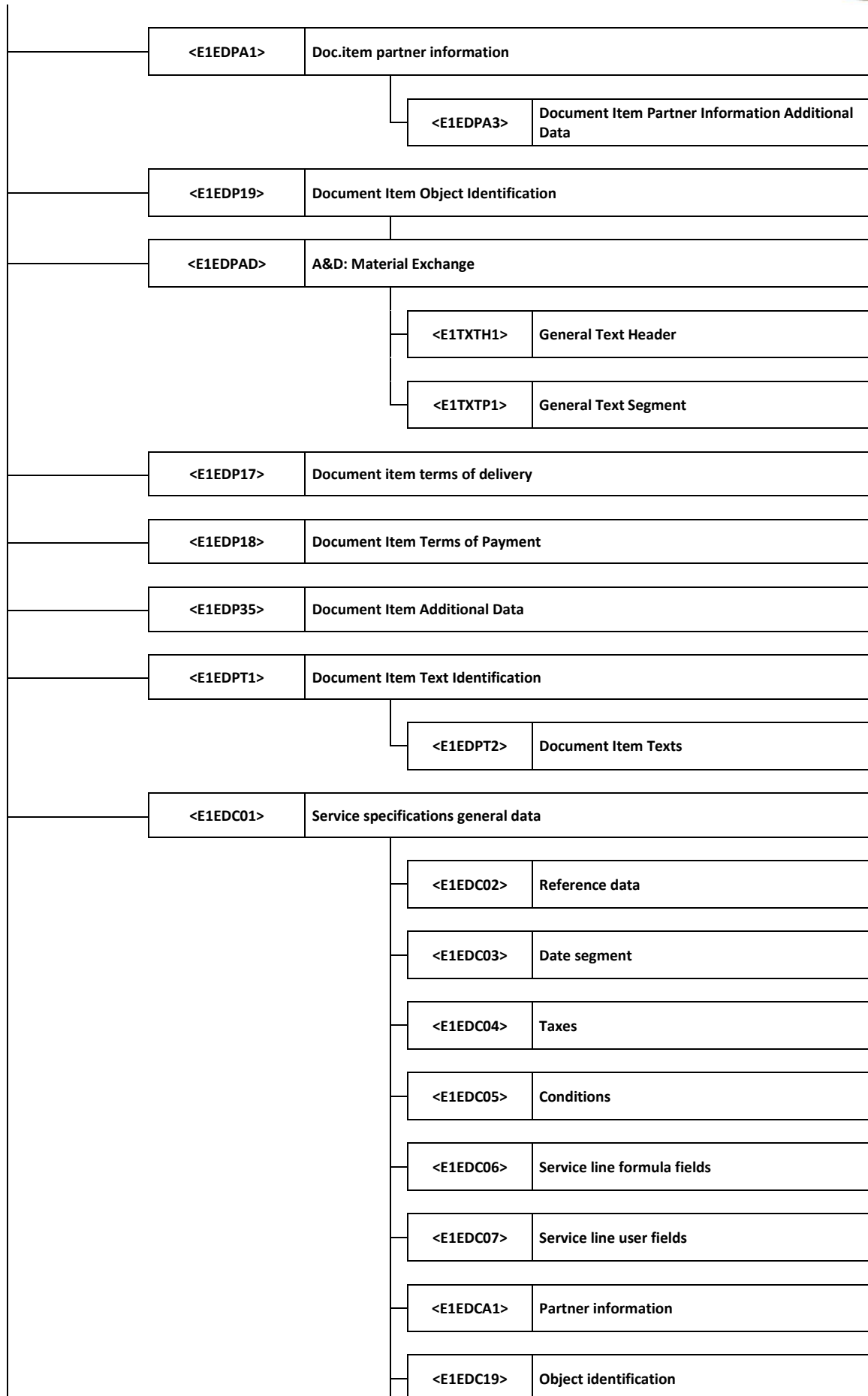
Organizational data such as AG, LF, WE may differ from the examples provided, based on the relevant scenario of a customer relationship.

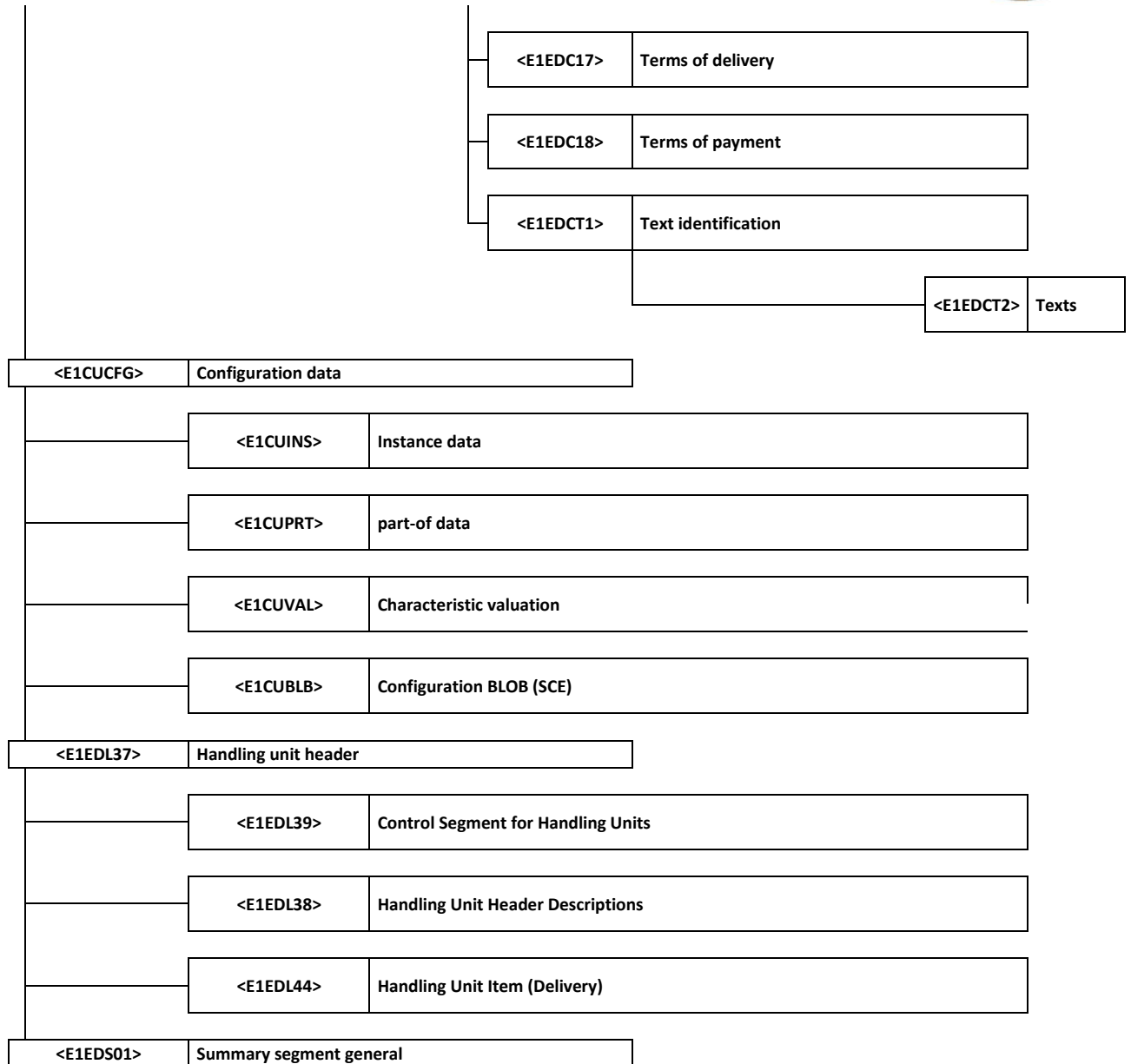
Details for the technical connection and contacts for the development phase can be found in the ifm connection sheet.

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
ORDERS05						
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	CHAR	1			test flag
IDOCTYP	10	CHAR	30	M	ORDERS05	name of basic type
CIMTYP	11	CHAR	30	O		extension
MESTYP	12	CHAR	30	M	ORDERS	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



field	Pos. Seg.	type	length	M/O	content/ example	description en
E1EDK01 M 1/1 Document header general data						
ACTION	1	CHAR	3	O		Action code for the whole EDI message
KZABS	2	CHAR	1	O		Flag: order acknowledgment required
CURCY	3	CHAR	3	O	EUR	Currency
HWAER	4	CHAR	3	O	EUR	EDI local currency
WKURS	5	CHAR	12	O	1.00000	Exchange rate
ZTERM	6	CHAR	17	O	0040	Terms of payment key
KUNDEUINR	7	CHAR	20	O		VAT Registration Number
EIGENUINR	8	CHAR	20	O		VAT Registration Number
BSART	9	CHAR	4	O	ZP4T	Document Type
BELNR	10	CHAR	35	O	4500878007	IDOC document number
NTGEW	11	CHAR	18	O		Net weight
BRGEW	12	CHAR	18	O		Gross weight
GEWEI	13	CHAR	3	O		Weight unit
FKART_RL	14	CHAR	4	O		Invoice list type
ABLAD	15	CHAR	25	O		Unloading Point
BSTZD	16	CHAR	4	O		Purchase order number supplement
VSART	17	CHAR	2	O		Shipping Conditions
VSART_BEZ	18	CHAR	20	O		Description of the Shipping Type
RECIPNT_NO	19	CHAR	10	O	0000956570	Number of recipient (for control by the ALE model)
KZAZU	20	CHAR	1	O		Order Combination Indicator
AUTLF	21	CHAR	1	O		Complete delivery defined for each sales order?
AUGRU	22	CHAR	3	O		Order reason (reason for the business transaction)
AUGRU_BEZ	23	CHAR	40	O		Description
ABRVW	24	CHAR	3	O		Usage Indicator
ABRVW_BEZ	25	CHAR	20	O		Description
FKTYP	26	CHAR	1	O		Billing category
LIFSK	27	CHAR	2	O		Delivery block (document header)
LIFSK_BEZ	28	CHAR	20	O		Description
EMPST	29	CHAR	25	O		Receiving point
ABTNR	30	CHAR	4	O		Department number
DELCO	31	CHAR	3	O		Agreed delivery time
WKURS_M	32	CHAR	12	O		Indirectly quoted exchange rate in an IDoc segment
E1EDK14 O 1/12 Document Header Organizational Data						
QUALF	1	CHAR	3	O	014	IDOC qualifier organization
ORGID	2	CHAR	35	O	1100	IDOC organization
E1EDK03 O 1/10 Document header date segment						
IDDAT	1	CHAR	3	O	012	Qualifier for IDOC date segment
DATUM	2	CHAR	8	O	20200402	IDOC: Date



	field	Pos. Seg.	type	length	M/O	content/ example	description en
	UZEIT	3	CHAR	6	O		IDOC: Time
E1EDK04	O		1/10		Document header taxes		
	MWSKZ	1	CHAR	7	O		VAT indicator
	MSATZ	2	CHAR	17	O		VAT rate
	MWSBT	3	CHAR	18	O		Value added tax amount
	TXJCD		CHAR	15	O		Tax Jurisdiction
	KTEXT	5	CHAR	50	O		Text Field
E1EDK05	O		1/16		Document header conditions		
	ALCKZ	1	CHAR	3	O		Surcharge or discount indicator
	KSCHL	2	CHAR	4	O		Condition type (coded)
	KOTXT	3	CHAR	80	O		Condition text
	BETRG	4	CHAR	18	O		Fixed surcharge/discount on total gross
	KPERC	5	CHAR	8	O		Condition percentage rate
	KRATE	6	CHAR	15	O		Condition record per unit
	UPRBS	7	CHAR	9	O		Price unit
	MEAUN	8	CHAR	3	O		Unit of measurement
	KOBTR	9	CHAR	18	O		IDoc condition end amount
	MWSKZ	10	CHAR	7	O		VAT indicator
	MSATZ	11	CHAR	17	O		VAT rate
	KOEIN	12	CHAR	3	O		Currency
E1EDKA1	O		1/99		Document Header Partner Information		
	PARVW	1	CHAR	3	O	AG LF BA WE	Partner function AG= Requestor LF= Supplier WE= Goods receipt
	PARTN	2	CHAR	17	O	0000956570	Partner number
	LIFNR	3	CHAR	17	O		Vendor number at customer location
	NAME1	4	CHAR	35	O		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		Street and house number 1
	STRS2	9	CHAR	35	O		Street and house number 2
	PFACH	10	CHAR	35	O		PO Box
	ORT01	11	CHAR	35	O		City
	COUNC	12	CHAR	9	O		County code
	PSTLZ	13	CHAR	9	O		Postal code
	PSTL2	14	CHAR	9	O		P.O. Box postal code
	LAND1	15	CHAR	3	O		Country Key
	ABLAD	16	CHAR	35	O		Unloading Point
	PERNR	17	CHAR	30	O		Contact person's personnel number
	PARNR	18	CHAR	30	O		Contact person's number (not personnel number)



field	Pos. Seg.	type	length	M/O	content/ example	description en
TELF1	19	CHAR	25	O	075425181896	1st telephone number of contact person
TELF2	20	CHAR	25	O		2nd telephone number of contact person
TELBX	21	CHAR	25	O	1295	Telebox number
TELFX	22	CHAR	25	O		Fax number
TELTx	23	CHAR	25	O		Teletex number
TELX1	24	CHAR	25	O		Telex number
SPRAS	25	CHAR	1	O		Language key
ANRED	26	CHAR	15	O		Form of Address
ORT02	27	CHAR	35	O		District
HAUSN	28	CHAR	6	O		House number
STOCK	29	CHAR	6	O		Floor
REGIO	30	CHAR	3	O		Region
PARGE	31	CHAR	1	O		Partner's gender
ISOAL	32	CHAR	2	O		Country ISO code
ISONU	33	CHAR	2	O		Country ISO code
FCODE	34	CHAR	20	O		Company key (France)
IHREZ	35	CHAR	30	O		Your reference (Partner)
BNAME	36	CHAR	35	O	e-Procurement EKI	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	O	030	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	O		PO Box city
SPRAS_ISO	43	CHAR	2	O	DE	2-Character SAP Language Code
TITLE	44	CHAR	15	O		Title
E1EDKA3 O 1/99 Document Header Partner Information Additional Data						
QUALP	1	CHAR	3	O		IDOC Partner identification
STDPN	2	CHAR	70	O		Character field, length 70
E1EDK02 O 1/10 Document header reference data						
QUALF	1	CHAR	3	O		IDOC qualifier reference document 001= Order number customer 002= Order number supplier 004 = Offer 005 = Contract number customer
BELNR	2	CHAR	35	O	4500878007	IDOC document number
POSNR	3	CHAR	6	O		Item number
DATUM	4	CHAR	8	O	20200402	IDOC: Date
UZEIT	5	CHAR	6	O	100006	IDOC: Time



	field	Pos. Seg.	type	length	M/O	content/ example	description en
E1EDK17	O		1/6		Document Header Terms of Delivery		
	QUALF	1	CHAR	3	O		IDOC qualifier: Terms of delivery
	LKOND	2	CHAR	3	O	CPT DAP	IDOC delivery condition code
	LKTEXT	3	CHAR	70	O		IDOC delivery condition text
E1EDK18	O		1/3		Document Header Terms of Payment		
	QUALF	1	CHAR	3	O		IDOC qualifier: Terms of payment
	TAGE	2	CHAR	8	O	14	IDOC Number of days
	PRZNT	3	CHAR	8	O	3	IDOC percentage for terms of payment
	ZTERM_TXT	4	CHAR	70	O		Text line
E1EDK35	O		1/99999		Document Header Additional Data		
	QUALZ	1	CHAR	3	O		Qualifier for IDoc additional data
	CUSADD	2	CHAR	35	O		Data Element Type CHAR Length 35
	CUSADD_BEZ	3	CHAR	40	O		Character field of length 40
E1EDK36	O		1/99		Doc.header payment cards		
	CCINS	1	CHAR	4	O		Payment cards: Card type
	CCINS_BEZEI	2	CHAR	20	O		Description
	CCNUM	3	CHAR	25	O		Payment cards: Card number
	EXDATBI	4	CHAR	8	O		IDOC: Date
	CCNAME	5	CHAR	40	O		Payment cards: Name of cardholder
	FAKWR	6	CURR	17	O		Maximum amount
E1EDKT1	O		1/99		Document Header Text Identification		
	TDID	1	CHAR		O	F01	Text ID
	TSSPRAS	2	CHAR	3	O	D	Language Key
	TSSPRAS_ISO	3	CHAR	2	O	DE	2-Character SAP Language Code
	TDOBJECT	4	CHAR	10	O		Texts: application object
	TDOBNAME	5	CHAR	70	O		Name
E1EDKT2	O		1/99999		Document Header Texts		
	TDLINE	1	CHAR	70	O	P4T040570	Text line
	TDFORMAT	2	CHAR	2	O	=	Tag column
E1EDP01	O		1/99999		Document Item General Data		
	POSEX	1	CHAR	6	O	00010	Item number
	ACTION	2	CHAR	3	O	001	Action code for the item
	PSTYP	3	CHAR	1	O	0	Item Category
	KZABS	4	CHAR	1	O	X	Flag: order acknowledgment required
	MENGE	5	CHAR	15	O	1.000	Quantity
	MENEE	6	CHAR	3	O	PCE	Unit of measure
	BMNG2	7	CHAR	15	O	1.000	Quantity in price unit
	PMENE	8	CHAR	3	O	PCE	Price Unit of Measure
	ABFTZ	9	CHAR	7	O		Agreed cumulative quantity



field	Pos. Seg.	type	length	M/O	content/ example	description en
VPREI	10	CHAR	15	O	38.62	Price (net)
PEINH	11	CHAR	9	O	1	Price unit
NETWR	12	CHAR	18	O	38.62	Item value (net)
ANETW	13	CHAR	18	O		Absolute net value of item
SKFBP	14	CHAR	18	O		Amount qualifying for cash discount
NTGEW	15	CHAR	18	O		Net weight
GEWEI	16	CHAR	3	O		Weight unit
EINKZ	17	CHAR	1	O		Flag: More than one schedule line for the item
CURCY	18	CHAR	3	O		Currency
PREIS	19	CHAR	18	O		Gross price
MATKL	20	CHAR	9	O	EI0302101	IDOC material class
UEPOS	21	CHAR	6	O		Higher-Level Item in BOM Structures
GRKOR	22	CHAR	3	O		Delivery group (items delivered together)
EVERS	23	CHAR	7	O		Shipping instructions
BPUMN	24	DEC	6	O	1	Denominator for Conv. of Order Price Unit into Order Unit
BPUMZ	25	DEC	6	O	1	Numerator for Conversion of Order Price Unit into Order Unit
ABGRU	26	CHAR	2	O		Reason for rejection of quotations and sales orders
ABGRT	27	CHAR	40	O		Description
ANTLF	28	CHAR	1	O		Maximum number of partial deliveries allowed per item
FIXMG	29	CHAR	1	O		Delivery date and quantity fixed
KZAZU	30	CHAR	1	O		Order Combination Indicator
BRGEW	31	CHAR	18	O		Total weight
PSTYV	32	CHAR	4	O		Sales Document Item Category
EMPST	33	CHAR	25	O		Receiving point
ABTNR	34	CHAR	4	O		Department number
ABRVW	35	CHAR	3	O		Usage Indicator
WERKS	36	CHAR		O	2720	Plant
LPRIOR	37	NUMC	2	O		Delivery Priority
LPRIOR_BEZ	38	CHAR	20	O		Description
ROUTE	39	CHAR	6	O		Route
ROUTE_BEZ	40	CHAR	40	O		Description
LGORT	41	CHAR	4	O		Storage Location
VSTEL	42	CHAR	4	O		Shipping Point/Receiving Point
DELCO	43	CHAR	3	O		Agreed delivery time
MATNR	44	CHAR	35	O		IDOC material ID
VALTG	45	NUMC	2	O		Additional value days
HIPOS	46	NUMC	6	O		Superior item in an item hierarchy
HIEVW	47	CHAR	1	O		Use of Hierarchy Item



field	Pos. Seg.	type	length	M/O	content/ example	description en
POSGUID	48	CHAR	22	O		ATP: Encryption of DELNR and DELPS
MATNR_EXTERNAL	49	CHAR	40	O		Material Number
MATNR_VERSION	50	CHAR	10	O		Version Number for MATNR Field
MATNR_GUID	51	CHAR	32	O		External GUID for MATNR Field
IUID_RELEVANT	52	CHAR	1	O		IUID-Relevant
SGT_RCAT	53	CHAR	16	O		Requirement Segment
SGT_SCAT	54	CHAR	16	O		Stock Segment
HANDOVERLOC	55	CHAR	10	O		Location for a physical handover of goods
MATNR_LONG	56	CHAR	40	O		Material Number (40 Characters, needed f. technical reasons)
REQ_SEG_LONG	57	CHAR	40	O		Requirement Segment
STK_SEG_LONG	58	CHAR	40	O		Stock Segment

E1EDP02 O 1/10 Document Item Reference Data

QUALF	1	CHAR	3	O		IDOC qualifier reference document
BELNR	2	CHAR	35	O		IDOC document number
ZEILE	3	CHAR	6	O		Item number
DATUM	4	CHAR	8	O		IDOC: Date
UZEIT	5	CHAR	6	O		IDOC: Time
BSARK	6	CHAR	35	O		IDOC organization
IHREZ	7	CHAR	30	O		Your reference (Partner)
RMA	8	CHAR	20	O		Order Acknowledgment Number
REASON	9	CHAR	3	O		Order reason (reason for the business transaction)
RSNTXT	10	CHAR	40	O		Description

E1CUREF O 1/1 Reference order item / instance in configuration

POSEX	1	CHAR	6	O		Character field of length 6
CONFIG_ID	2	CHAR	6	O		Character field of length 6
INST_ID	3	CHAR	8	O		Character field, 8 characters long

E1ADDI1 O 1/999999 Additional

ADDIMATNR	1	CHAR	18	O		Material number for additional
ADDINUMBER	2	INT4	17	O		Number of additional
ADDIVKME	3	UNIT	3	O		Sales unit of the material
ADDIFM	4	CHAR		O		Procedure for additional
ADDIFM_TXT	5	CHAR	40	O		Additional: Description for the procedure for additional
ADDIKLART	6	CHAR	3	O		Class type displayed when editing additional
ADDIKLART_TXT	7	CHAR	40	O		Text describing class type
ADDICLASS	8	CHAR	18	O		Class with additional assigned to its elements
ADDICLASS_TXT	9	CHAR	40	O		Keywords



	field	Pos. Seg.	type	length	M/O	content/ example	description en
	ADDIIDOC	10	CHAR	1	O		Indicator which refers to separate additional IDoc
	ADDIMATNR_EXTERNAL	11	CHAR	0	O		Long Material Number for ADDIMATNR Field
	ADDIMATNR_VERSION	12	CHAR	10	O		Version Number for ADDIMATNR Field
	ADDIMATNR_GUID	13	CHAR	32	O		External GUID for ADDIMATNR Field
	ADDIMATNR_LONG	14	CHAR	40	O		Material number for additional
E1EDP03	O	1/10	Document Item Date Segment				
	IDDAT	1	CHAR	3	O		Qualifier for IDoc date segment
	DATUM	2	CHAR	8	O		Date
	UZEIT	3	CHAR	6	O		Time
E1EDP04	O	1/10	Document Item Taxes				
	MWSKZ	1	CHAR	7	O		VAT indicator
	MSATZ	2	CHAR	17	O		VAT rate
	MWSBT	3	CHAR	18	O		Value added tax amount
	TXJCD	4	CHAR	15	O		Tax Jurisdiction
	KTEXT	5	CHAR	50	O		Text Field
E1EDP05	O	1/16	Document Item Conditions				
	ALCKZ	1	CHAR	3	O		Surcharge or discount indicator
	KSCHL	2	CHAR	4	O		Condition type (coded)
	KOTXT	3	CHAR	80	O		Condition text
	BETRG	4	CHAR	18	O		Fixed surcharge/discount on total gross
	KPERC	5	CHAR	8	O		Condition percentage rate
	KRATE	6	CHAR	15	O		Condition record per unit
	UPRBS	7	CHAR	9	O		Price unit
	MEAUN	8	CHAR	3	O		Unit of measurement
	KOBTR	9	CHAR	18	O		IDoc condition end amount
	MENGE	10	CHAR	15	O		Price scale quantity (SPEC2000)
	PREIS	11	CHAR	15	O		Price by unit of measure (SPEC2000)
	MWSKZ	12	CHAR	7	O		VAT indicator
	MSATZ	13	CHAR	7	O		VAT rate
	KOEIN	14	CHAR	3	O		Currency
	CURTP	15	CHAR	2	O		Currency type and valuation view
	KOBAS	16	CHAR	18	O		Base value to which condition refers
E1EDP55	O	1/99	A&D: Price Scale (Quantity)				
	KSTBM	1	QUAN	17	O		Condition scale quantity
	KBETR	2	CURR	13	O		Rate (condition amount or percentage)
E1EDP20	O	1/9999	IDoc schedule lines				
	WMENG	1	CHAR	15	O	1.000	Scheduled quantity
	AMENG	2	CHAR	15	O	0.000	Previous scheduled quantity



field	Pos. Seg.	type	length	M/O	content/ example	description en
EDATU	3	CHAR	8	O	20200404	Date
EZEIT	4	CHAR	6	O		Time
EDATU_OLD	5	CHAR	8	O		Date
EZEIT_OLD	6	CHAR	6	O		Time
ACTION	7	CHAR	3	O		Action code for the item
HANDOVERDATE	8	CHAR	8	O		Date
HANDOVERTIME	9	CHAR	6	O		Time
E1EDPA1	O	1/8	Doc.item partner information			
PARVW	1	CHAR	3	O		Partner function
PARTN	2	CHAR	17	O		Partner number
LIFNR	3	CHAR	17	O	2720	Vendor number at customer location
NAME1	4	CHAR	35	O	ifm efector gmbh	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	ifm-Str. 1	Street and house number 1
STRS2	9	CHAR	35	O		Street and house number 2
PFACH	10	CHAR	35	O		PO Box
ORT01	11	CHAR	35	O	Tettngang	City
COUNC	12	CHAR	9	O		County code
PSTLZ	13	CHAR	9	O	88069	Postal code
PSTL2	14	CHAR	9	O		P.O. Box postal code
LAND1	15	CHAR	3	O	DE	Country Key
ABLAD	16	CHAR	35	O		Unloading Point
PERNR	17	CHAR	30	O		Contact person's personnel number
PARNR	18	CHAR	30	O		Contact person's number (not personnel number)
TELF1	19	CHAR	25	O		1st telephone number of contact person
TELF2	20	CHAR	25	O		2nd telephone number of contact person
TELBX	21	CHAR	25	O		Telebox number
TELFX	22	CHAR	25	O		Fax number
TELTx	23	CHAR	25	O		Teletex number
TELX1	24	CHAR	25	O		Telex number
SPRAS	25	CHAR	1	O		Language key
ANRED	26	CHAR	15	O	Firma	Form of Address
ORT02	27	CHAR	35	O		District
HAUSN	28	CHAR	6	O		House number
STOCK	29	CHAR	6	O		Floor
REGIO	30	CHAR	3	O		Region
PARGE	31	CHAR	1	O		Partner's gender
ISOAL	32	CHAR	2	O		Country ISO code



field	Pos. Seg.	type	length	M/O	content/ example	description en
ISONU	33	CHAR	2	O		Country ISO code
FCODE	34	CHAR	20	O		Company key (France)
IHREZ	35	CHAR	30	O		Your reference (Partner)
BNAME	36	CHAR	35	O		IDoc user name
PAORG	37	CHAR	30	O		IDOC organization code
ORGTX	38	CHAR	35	O		IDoc organization code text
PAGRU	39	CHAR	30	O		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	O		PO Box city
SPRAS_ISO	43	CHAR	2	O		2-Character SAP Language Code
TITLE	44	CHAR	15	O		Title
E1EDPA3 O 1/99 Document Item Partner Information Additional Data						
QUALP	1	CHAR	3	O		IDOC Partner identification (e.g.Dun&Bradstreet number)
STDPN	2	CHAR	70	O		Character field, length 70
E1EDP19 O 1/5 Document Item Object Identification						
QUALF	1	CHAR	3	O	001 002 003 004	IDOC object identification such as material no.,customer
IDTNR	2	CHAR	35	O	6273519	IDOC material ID
KTEXT	3	CHAR	0	O	6-kant-Winkelschraubendreher-Satz, Edels	IDOC short text
MFRPN	4	CHAR	42	O		Manufacturer part number
MFRNR	5	CHAR	10	O		Manufacturer number
IDTNR_EXTERNAL	6	CHAR	40	O		Length of Material (Future Development) for Field IDTNR
IDTNR_VERSION	7	CHAR	10	O		Version Number (Future Development) for Field IDTNR
IDTNR_GUID	8	CHAR	32	O		External GUID (Future Development) for Field IDTNR
IDTNR_LONG	9	CHAR	40	O		IDOC material ID
E1EDPAD O 1/1 A&D: Material Exchange						
QUALF	1	NUMC	3	O		IDoc object identification(A&D)
ICC	2	NUMC	2	O		Interchangeability Code
MOI	3	CHAR	4	O		Type Identification
PRI	4	CHAR	3	O		Order Priority
ACN	5	CHAR	5	O		Aircraft Registration Number
ACN10	6	CHAR	10	O		Aircraft Registration Number
DNS	7	CHAR	1	O		Do Not Substitute
E1TXTH1 O 1/1 General Text Header						
FUNCTION	1	CHAR	3	O		Function (for transferred text)



field	Pos. Seg.	type	length	M/O	content/ example	description en
TDOBJECT	2	CHAR	10	O		Texts: application object
TDOBNAME	3	CHAR	70	O		Name
TDID	4	CHAR	4	O		Text-ID
TDSPRAS	5	LANG	1	O		Language
TDTEXTTYPE	6	CHAR	6	O		SAPscript: Format of Text
LANGUA_ISO	7	CHAR	2	O		Language key
E1EDP17 O 1/8 Document item terms of delivery						
QUALF	1	CHAR	3	O		IDOC qualifier: Terms of delivery
LKOND	2	CHAR	3	O		IDOC delivery condition code
LKTEXT	3	CHAR	70	O		IDOC delivery condition text
LPRIO	4	NUMC	2	O		Delivery Priority
E1EDP18 O 1/3 Document Item Terms of Payment						
QUALF	1	CHAR	3	O		IDOC qualifier: Terms of payment
TAGE	2	CHAR	8	O		IDOC Number of days
PRZNT	3	CHAR	8	O		IDOC percentage for terms of payment
ZTERM_TXT	4	CHAR	70	O		Text line
E1EDP35 Document Item Additional Data						
QUALZ	1	CHAR	3	O		Qualifier for IDoc additional data
CUSADD	2	CHAR	35	O		Data Element Type CHAR Length 35
CUSADD_BEZ	3	CHAR	40	O		Character field of length 40
E1EDPT1 O 1/99999 Document Item Text Identification						
TDID	1	CHAR	4	O		Text ID
TSSPRAS	2	CHAR	3	O		Language Key
TSSPRAS_ISO	3	CHAR	2	O		2-Character SAP Language Code
E1EDPT2 O 1/999999 Document Item Texts						
TDLINE	1	CHAR	70	O		Text line
TDFORMAT	2	CHAR	2	O		Tag column
E1EDC01 O 1/99999 Service specifications general data						
SGTYP	1	CHAR	3	O		IDoc service specifications segment type
ZLTYP	2	CHAR	3	O		IDoc service specifications line category
LVALT	3	CHAR	3	O		IDoc service specifications alternatives
ALTNO	4	CHAR	2	O		IDoc alternative number for service specifications
ALREF	5	CHAR	5	O		IDoc Assignment Number for Service Specifications
ZLART	6	CHAR	3	O		IDoc service specifications line type
POSEX	7	NUMC	10	O		Line Number
RANG	8	CHAR	2	O		Hierarchy level of group
EXGRP	9	CHAR	8	O		Outline Level



field	Pos. Seg.	type	length	M/O	content/ example	description en	
UEPOS	10	CHAR	6	O		Higher-Level Item in BOM Structures	
MATKL	11	CHAR	9	O		IDOC material class	
MENGE	12	CHAR	15	O		Quantity	
MENEE	13	CHAR	3	O		Unit of measure	
BMNG2	14	CHAR	15	O		Quantity in price unit	
PMENE	15	CHAR	3	O		Price Unit of Measure	
BPUMN	16	DEC	6	O		Denominator for Conv. of Order Price Unit into Order Unit	
BPUMZ	17	DEC	6	O		Numerator for Conversion of Order Price Unit into Order Unit	
VPREI	18	CHAR	15	O		Price (net)	
PEINH	19	CHAR	9	O		Price unit	
NETWR	20	CHAR	18	O		Item value (net)	
ANETW	21	CHAR	18	O		Absolute net value of item	
SKFBP	22	CHAR	18	O		Amount qualifying for cash discount	
CURCY	23	CHAR	3	O		Currency	
PREIS	24	CHAR	18	O		Gross price	
ACTION	25	CHAR	3	O		Action code for the item	
KZABS	26	CHAR	1	O		Flag: order acknowledgment required	
UEBTO	27	CHAR	4	O		overfulfillment tolerance	
UEBTK	28	CHAR	1	O		Unlimited Overfulfillment	
LBNUM	29	CHAR	3	O		Short Description of Service Type	
AUSGB	30	NUMC	4	O		Edition of Service Type	
FRPOS	31	CHAR	6	O		Lower Limit	
TOPOS	32	CHAR	6	O		Upper Limit	
KTXT1	33	CHAR	40	O		Short Text	
KTXT2	34	CHAR	40	O		Short Text	
PERNR	35	NUMC	8	O		Personnel Number	
LGART	36	CHAR	4	O		Wage Type	
STELL	37	NUMC	8	O		Job	
ZWERT	38	CHAR	18	O		Total value of sum segment	
E1EDC02	O	1/10			SS item: Reference data		
QUALF	1	CHAR	3	O		IDoc qualifier reference document for service specifications	
BELNR	2	CHAR	35	O		IDOC document number	
XLINE	3	NUMC	10	O		Line Number	
DATUM	5	CHAR	8	O		IDOC: Date	
UZEIT	6	CHAR	6	O		IDOC: Time	
E1EDC03	O	1/10			SS item: Date segment		
IDDAT	1	CHAR	3	O		Qualifier for IDOC date segment	
DATUM	2	CHAR	8	O		Date	



	field	Pos. Seg.	type	length	M/O	content/ example	description en
	UZEIT	3	CHAR	6	0		Time
E1EDC04	O	1/10	SS item: Taxes				
	MWSKZ	1	CHAR	7	0		VAT indicator
	MSATZ	2	CHAR	17	0		VAT rate
	MWSBT	3	CHAR	18	0		Value added tax amount
	TXJCD	4	CHAR	15	0		Tax Jurisdiction
E1EDC05	O	1/16	SS item: Conditions				
	ALCKZ	1	CHAR	3	0		Surcharge or discount indicator
	KSCHL	2	CHAR	4	0		Condition type (coded)
	KOTXT	3	CHAR	80	0		Condition text
	BETRG	4	CHAR	18	0		Fixed surcharge/discount on total gross
	KPERC	5	CHAR	8	0		Condition percentage rate
	KRATE	6	CHAR	15	0		Condition record per unit
	UPRBS	7	CHAR	9	0		Price unit
	MEAUN	8	CHAR	3	0		Unit of measurement
	KOBTR	9	CHAR	18	0		IDoc condition end amount
	MENGE	10	CHAR	15	0		Price scale quantity (SPEC2000)
	PREIS	11	CHAR	15	0		Price by unit of measure (SPEC2000)
	MWSKZ	12	CHAR	7	0		VAT indicator
	MSATZ	13	CHAR	17	0		VAT rate
E1EDC06	O	1/1	Service line formula fields				
	FORMELNR	1	CHAR	10	0		Formula Number
	FRMVAL1	2	QUAN	15	0		Formula Value
	FRMVAL2	3	QUAN	15	0		Formula Value
	FRMVAL3	4	QUAN	15	0		Formula Value
	FRMVAL4	5	QUAN	15	0		Formula Value
	FRMVAL5	6	QUAN	15	0		Formula Value
E1EDC07	O	1/1	Service line user fields				
	USERF1_NUM	1	NUMC	10	0		User-Defined Field
	USERF2_NUM	2	QUAN	15	0		User-Defined Field
	USERF1_TXT	3	CHAR	40	0		User-Defined Field
	USERF2_TXT	4	CHAR	10	0		User-Defined Field
E1EDCA1	O	1/8	SS items: Partner information				
	PARVV	1	CHAR	3	0		Partner function (e.g. sold-to party, ship-to party, ...)
	PARTN	2	CHAR	17	0		Partner number
	LIFNR	3	CHAR	17	0		Vendor number at customer location
	NAME1	4	CHAR	35	0		Name 1
	NAME2	5	CHAR	35	0		Name 2
	NAME3	6	CHAR	35	0		Name 3
	NAME4	7	CHAR	35	0		Name 4



field	Pos. Seg.	type	length	M/O	content/ example	description en
STRAS	8	CHAR	35	O		Street and house number 1
STRS2	9	CHAR	35	O		Street and house number 2
PFACH	10	CHAR	35	O		PO Box
ORT01	11	CHAR	35	O		City
COUNC	12	CHAR	9	O		County code
PSTLZ	13	CHAR	9	O		Postal code
PSTL2	14	CHAR	9	O		P.O. Box postal code
LAND1	15	CHAR	3	O		Country Key
ABLAD	16	CHAR	35	O		Unloading Point
PERNR	17	CHAR	30	O		Contact person's personnel number
PARNR	18	CHAR	30	O		Contact person's number (not personnel number)
TELF1	19	CHAR	25	O		1st telephone number of contact person
TELF2	20	CHAR	25	O		2nd telephone number of contact person
TELBX	21	CHAR	25	O		Telebox number
TELFX	22	CHAR	25	O		Fax number
TELTx	23	CHAR	25	O		Teletex number
TELX1	24	CHAR	25	O		Telex number
SPRAS	25	CHAR	1	O		Language key
ANRED	26	CHAR	15	O		Form of Address
ORT02	27	CHAR	35	O		District
HAUSN	28	CHAR	6	O		House number
STOCK	29	CHAR	6	O		Floor
REGIO	30	CHAR	3	O		Region
PARGE	31	CHAR	1	O		Partner's gender
ISOAL	32	CHAR	2	O		Country ISO code
ISONU	33	CHAR	2	O		Country ISO code
FCODE	34	CHAR	20	O		Company key (France)
IHREZ	35	CHAR	30	O		Your reference (Partner)
BNAME	36	CHAR	35	O		IDoc user name
PAORG	37	CHAR	30	O		IDOC organization code
ORGTx	38	CHAR	35	O		IDoc organization code text
PAGRU	39	CHAR	30	O		IDoc group code
E1EDC19	O	1/5		SS items: Object identification		
QUALF	1	CHAR	3	O		IDoc object identification for service specfns object
IDTNR	2	CHAR	35	O		IDOC material ID
KTEXT	3	CHAR	70	O		IDOC short text
EDED17	O	1/5		SS items: Terms of delivery		
QUALF	1	CHAR	3	O		IDOC qualifier: Terms of delivery
LKOND	2	CHAR	3	O		IDOC delivery condition code
LKTEXT	3	CHAR	70	O		IDOC delivery condition text



	field	Pos. Seg.	type	length	M/O	content/ example	description en
EDEDCT18	O		1/3		SS items: Terms of payment		
	QUALF	1	CHAR	3	O		IDOC qualifier: Terms of payment
	TAGE	2	CHAR	8	O		IDOC Number of days
	PRZNT	3	CHAR	8	O		IDOC percentage for terms of payment
E1EDCT1	O		1/99999		SS items: Text identification		
	TDID	1	CHAR	4	O		Text-ID
	TSSPRAS	2	CHAR	3	O		Language Key
E1EDCT2	O		1/99999		SS items: Texts		
	TDLINE	1	CHAR	70	O		Text line
E1CUCFG	O		1/99999		Configuration data		
	POSEX	1	CHAR	6	O		Character field of length 6
	CONFIG_ID	2	CHAR	6	O		Character field of length 6
	ROOT_ID	3	CHAR	8	O		Character field, 8 characters long
	SCE	4	CHAR	1	O		Only Information Transferred from SCE to Configuration
	KBNAME	5	CHAR	30	O		Knowledge-Base Object
	KBVERSION	6	CHAR	30	O		Runtime Version of SCE Knowledge Base
	COMPLETE	7	CHAR	1	O		General Indicator
	CONSISTENT	8	CHAR	1	O		General Indicator
	CFGINFO	9	CHAR	250	O		Configuration BLOB (SCE)
	KBPROFILE	10	CHAR	30	O		Knowledge-Base Profile
	KBLANGUAGE	11	LANG	1	O		Configuration Language
	CBASE_ID	12	CHAR	32	O		Instance Number (Persistent)
	CBASE_ID_TYPE	13	CHAR	1	O		Type of Instance Number (Persistent)
E1CUINS	O		1/99999		Instance data		
	INST_ID	1	CHAR	8	O		Character field, 8 characters long
	OBJ_TYPE	2	CHAR	10	O		Character Field Length = 10
	CLASS_TYPE	3	CHAR	3	O		3-Byte field
	OBJ_KEY	4	CHAR	50	O		Comment
	OBJ_TXT	5	CHAR	70	O		Character field, length 70
	QUANTITY	6	CHAR	15	O		Char 15
	AUTHOR	7	CHAR	1	O		Statement was Inferred
	QUANTITY_UNIT	8	UNIT	3	O		Unit of Measure
	COMPLETE	9	CHAR	1	O		General Indicator
	CONSISTENT	10	CHAR	1	O		General Indicator
	OBJECT_GUID	11	CHAR	32	O		GUID for TYPE_OF Statement of Instance
	PERSIST_ID	12	CHAR	32	O		Instance Number (Persistent)
	PERSIST_ID_TYPE	13	CHAR	1	O		Type of Instance Number (Persistent)
E1CUPRT	O		1/99999		CU: part-of data		
	PARENT_ID	1	CHAR	8	O		Character field, 8 characters long



field	Pos. Seg.	type	length	M/O	content/ example	description en
INST_ID	2	CHAR	8	O		Character field, 8 characters long
PART_OF_NO	3	CHAR	4	O		Not More Closely Defined Area, Possibly Used for Patchlevels
OBJ_TYPE	4	CHAR	10	O		Character Field Length = 10
CLASS_TYPE	5	CHAR	3	O		3-Byte field
OBJ_KEY	6	CHAR	50	O		Comment
AUTHOR	7	CHAR	1	O		Statement was Inferred
SALES_RELEVANT	8	CHAR	1	O		Part is Sales-Relevant
PART_OF_GUID	9	CHAR	32	O		GUID for PART_OF Statement for Instance
E1CUVAL O 1/99999 Characteristic valuation						
INST_ID	1	CHAR	8	O		Character field, 8 characters long
CHARC	2	CHAR	40	O		Character field of length 40
CHARC_TXT	3	CHAR	70	O		Character field, length 70
VALUE	4	CHAR	40	O		Character field of length 40
VALUE_TXT	5	CHAR	70	O		Character field, length 70
AUTHOR	6	CHAR	1	O		Statement was Inferred
VALUE_TO	7	CHAR	40	O		Characteristic Value
VALCODE	8	CHAR	1	O		Value Type: Interval Limits - Single Values
E1CUBLB O 1/99999 CU: Configuration BLOB (SCE)						
CONTENT	1	CHAR	250	O		Configuration BLOB (SCE)
E1EDL37 O 1/99999 Handling unit header						
EXIDV	1	CHAR	20	O		External Handling Unit Identification
TARAG	2	QUAN	17	O		Tare weight of handling unit
GWEIT	3	UNIT	3	O		Weight Unit Tare
BRGEW	4	QUAN	17	O		Total Weight of Handling Unit
NTGEW	5	QUAN	17	O		Loading Weight of Handling Unit
MAGEW	6	QUAN	17	O		Allowed Loading Weight of a Handling Unit
GWEIM	7	UNIT	3	O		Weight Unit
BTVOL	8	QUAN	17	O		Total Volume of Handling Unit
NTVOL	9	QUAN	17	O		Loading Volume of Handling Unit
MAVOL	10	QUAN	17	O		Allowed Loading Volume for Handling Unit
VOLEM	11	UNIT	3	O		Volume Unit
TAVOL	12	QUAN	17	O		Tare volume of handling unit
VOLET	13	UNIT	3	O		Volume Unit Tare
VEGR2	14	CHAR	5	O		Number of Packages
VEGR1	15	CHAR	5	O		Package Number
VEGR3	16	CHAR	5	O		Last HU
VHILM	17	CHAR	18	O		Packaging Materials
VEGR4	18	CHAR	5	O		Handling Unit Group 4 (Freely Definable)



field	Pos. Seg.	type	length	M/O	content/ example	description en
LAENG	19	QUAN	15	O		Length
VEGR5	20	CHAR	5	O		Handling Unit Group 5 (Freely Definable)
BREIT	21	QUAN	15	O		Width
HOEHE	22	QUAN	15	O		Height
MEABM	23	UNIT	3	O		Unit of Dimension for Length/Width/Height
INHALT	24	CHAR	0	O		Description of Handling Unit Content
VHART	25	CHAR	4	O		Packaging Material Type
MAGRV	26	CHAR	4	O		Material Group: Packaging Materials
LADLG	27	QUAN	8	O		Lgth of loading platform in lgth of LdPlat measurement units
LADEH	28	UNIT	3	O		Unit of measure to measure the length of loading platform
FARZT	29	QUAN	4	O		Travel Time
FAREH	30	UNIT	3	O		Unit of travel time
ENTFE	31	QUAN	8	O		Distance Travelled
EHENT	32	UNIT	3	O		Unit of distance
VELTP	33	CHAR	1	O		Packaging Material Category
EXIDV2	34	CHAR	20	O		Handling Unit's 2nd External Identification
LANDT	35	CHAR	3	O		Country providing means of transport
LANDF	36	CHAR	3	O		Driver's Nationality
NAMEF	37	CHAR	35	O		Driver name
NAMBE	38	CHAR	35	O		Alternate Driver's Name
VHILM_KU	39	CHAR	22	O		Material belonging to the customer
VEBEZ	40	CHAR	40	O		Description of Packaging Material
SMGKN	41	CHAR	1	O		SMG identification for material tag
KDMAT35	42	CHAR	35	O		Partner's (Customer's or Vendor's) Packaging Material
SORTL	43	CHAR	10	O		Sort field
ERNAM	44	CHAR	2	O		Name of Person Who Created the Object
GEWFX	45	CHAR	1	O		Weight and Volume Fixed
ERLKZ	46	CHAR	1	O		Status (at this time without functionality)
EXIDA	47	CHAR	1	O		Type of External Handling Unit Identifier
MOVE_STATUS	48	CHAR	4	O		Handling unit status
PACKVORSCHR	49	CHAR	22	O		Text string 22 characters
PACKVORSCHR_ST	50	CHAR	1	O		Single-Character Flag
LABELTYP	51	CHAR	1	O		Indicator: do not print external shipping label
ZUL_AUFL	52	CHAR	17	O		17-Char. Field
VHILM_EXTERNAL	53	CHAR	40	O		Shipping Material

field	Pos. Seg.	type	length	M/O	content/ example	description en
VHILM_VERSION	54	CHAR	10	O		Version Number for Field VHILM
VHILM_GUID	55	CHAR	32	O		External GUID for Field VHILM
KDMAT35_EXTERNAL	56	CHAR	40	O		Long Material Number (Future Development) for KDMAT Field
KDMAT35_VERSION	57	CHAR	10	O		Version Number (Future Development) for KDMAT35 Field
KDMAT35_GUID	58	CHAR	32	O		External GUID (Future Development) for KDMAT35 Field
VHILM_KU_EXTERNAL	59	CHAR	40	O		Long Material Number (Future Development) for Field VHILM
VHILM_KU_VERSION	60	CHAR	10	O		Version Number (Future Development) for Field VHILM_KU
VHILM_KU_GUID	61	CHAR	32	O		External GUID (Future Development) for Field VHILM_KU
VHILM_LONG	62	CHAR	40	O		Packaging Materials
E1EDL39	O	1/9	Control Segment for Handling Units			
QUALF	1	CHAR	3	O		Qualifier: Control (shipping unit)
PARAM	2	CHAR	20	O		IDOC: Control Parameters
E1EDL38	O	1/1	Handling Unit Header Descriptions			
VEGR1_BEZ	1	CHAR	20	O		Description of shipping unit 1
VEGR2_BEZ	2	CHAR	20	O		Description of shipping unit 2
VEGR3_BEZ	3	CHAR	20	O		Description of shipping unit 3
VEGR4_BEZ	4	CHAR	20	O		Description of shipping unit 4
VEGR5_BEZ	5	CHAR	20	O		Description of shipping unit 5
VHART_BEZ	6	CHAR	20	O		Description of shipping material type
MAGRV_BEZ	7	CHAR	20	O		Description of material grouping shipping material
VEBEZ	8	CHAR	40	O		Description of Packaging Material
E1EDL44	O	1/99999	Handling Unit Item (Delivery)			
VELIN	1	CHAR	1	O		Type of Handling-unit Item Content
VBELN	2	CHAR	10	O		Sales and Distribution Document Number
POSNR	3	NUMC	6	O		Item number of the SD document
EXIDV	4	CHAR	20	O		External Handling Unit Identification
VEMNG	5	QUAN	17	O		Base Quantity Packed in the Handling Unit Item
VEMEH	6	UNIT	3	O		Base Unit of Measure of the Quantity to be Packed (VEMNG)
MATNR	7	CHAR	18	O		Material Number
KDMAT	8	CHAR	35	O		Material belonging to the customer
CHARG	9	CHAR	10	O		Batch Number
WERKS	10	CHAR	4	O		Plant
LGORT	11	CHAR	4	O		Storage Location

field	Pos. Seg.	type	length	M/O	content/ example	description en
CUOBJ	12	NUMC	18	O		Configuration (internal object number)
BESTQ	13	CHAR	1	O		Stock Category in the Warehouse Management System
SOBKZ	14	CHAR	1	O		Special Stock Indicator
SONUM	15	CHAR	16	O		Special Stock Number
ANZSN	16	INT4	11	O		Number of serial numbers
WDATU	17	DATS	8	O		Date of Goods Receipt
PARID	18	CHAR	35	O		External partner number
MATNR_EXTERNAL	19	CHAR	40	O		Material Number
MATNR_VERSION	20	CHAR	10	O		Version Number for MATNR Field
MATNR_GUID	21	CHAR	32	O		External GUID for MATNR Field
KDMAT_EXTERNAL	22	CHAR	40	O		Customer Material
KDMAT_VERSION	23	CHAR	10	O		Customer Material
KDMAT_GUID	24	CHAR	32	O		Customer Material
MATNR_LONG	25	CHAR	40	O		Material Number (40 Characters, needed f. technical reasons)
E1EDS01 O 1/5 Summary segment general						
SUMID	1	CHAR	3	O	002	Qualifier for totals segment for shipping notification
SUMME	2	CHAR	18	O	38.62	Total value of sum segment
SUNIT	3	CHAR	3	O	EUR	Total value unit for totals segment in the shipping notif.
WAERQ	4	CHAR	3	O		Currency

	Not used
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