



# EDI GUIDE

XML-ORDRSP

Version 1.1

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Autor: Leo Grenz  
Patrick Klippel

Änderungsblatt

Version	changed	from	Site	Notes
1.0	17.11.2021	Leo Grenz		Created
1.1	02.03.2022	Leo Grenz		Edit additional content for FIS Monitor

## Who should read this document?

This document is for the EDI administrators who will implement a solution to be able to send XML-IDOC order response (ORDRSP) to 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.

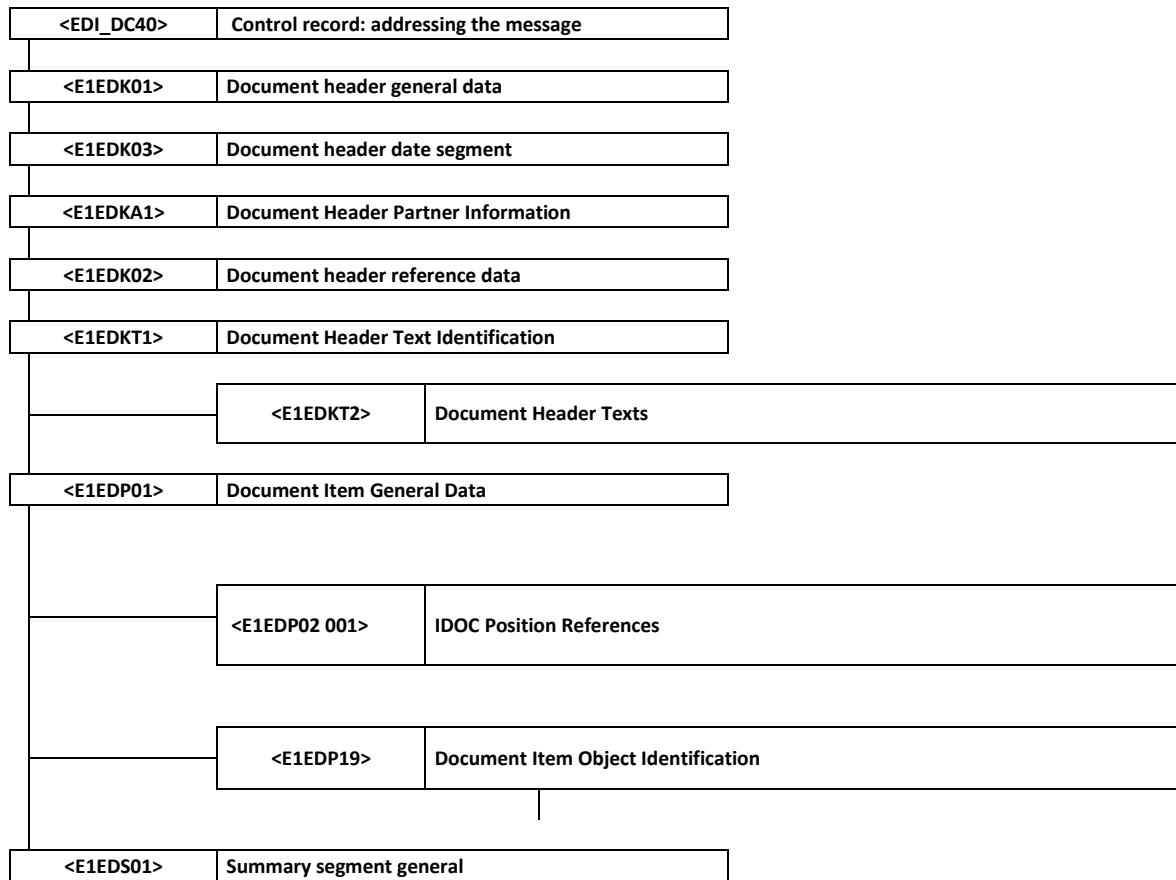
Based on the business process certain fields will always be filled as they are mandatory for the underlying process despite being technically marked as optional.

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:  
[Patrick.klippel@ifm.com](mailto:Patrick.klippel@ifm.com)

## 1.0 Message structure



## 2.0 Segment description

field	Pos. Seg.	type	length	M/O	content/ example	description en
<b>ORDERS05</b>						
Control record: addressing the message						
TABNAM				M	EDI_DC40	constant value "EDI_DC40"
MANDT				O	600	client
DOCNUM				M	0000000135495822	idoc number
DOCREL				O	750	release
STATUS				O	30	status of idoc
DIRECT				M	1	direction
OUTMOD					2	output mode
EXPRSS						overriding in inbound processing
TEST						test flag
IDOCTYP				M	ORDERS05	name of basic type
CIMTYP				O		extension
MESTYP				M	ORDERS	message type
MESCOD				O		message code
MESFCT				O		message function
STD						EDI standard, flag
STDVRS						EDI standard, version
STDMES						message type
SNDPOR				M	SAPIEQ	sender port
SNDPRT				M	LI	partner type of sender
SNDPFC						partner function of sender
SNDPRN				M	0000911503	Ifm supplier nr.
SNDSAD						logical address of sender
SNDLAD						receiver port
RCVPOR				M	SAPIEQ	partner type of recipient
RCVPRT				O	LS	partner number of recipient
RCVPFC				O	recipient number in own system	recipient address
RCVPRN				O	1110	logical address of recipient
RCVSAD				O		
RCVLAD				O		
CREDAT				O	sending date (YYYYMMDD)	created on
CRETIM				O	sending time (HHMMSS)	time created
REFINT						message
REFGRP						key for external



	field	Pos. Seg.	type	length	M/O	content/ example	description en
							archive
	REFMES						serialization
	ARCKEY						
	SERIAL				O		Serialization
<b>E1EDK01</b>	<b>M</b>		<b>1/1</b>		<b>Document header general data</b>		
	ACTION	1	CHAR	3	O		Action code for the whole EDI message
	CURCY	3	CHAR	3	O	EUR	Currency
	BELNR	10	CHAR	35	O	47110815-11503-2	Supplier confirmation number
	NTGEW	11	CHAR	18	O		Net weight
	BRGEW	12	CHAR	18	O		Gross weight
	GEWEI	13	CHAR	3	O		Weight unit
	ABLAD	15	CHAR	25	O		Unloading Point
	BSTZD	16	CHAR	4	O		Purchase order number supplement
	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
<b>E1EDK03</b>	<b>O</b>		<b>1/10</b>		<b>Document header date segment</b>		
	IDDAT	1	CHAR	3	O	012	Qualifier for IDOC date segment
	DATUM	2	CHAR	8	O	20200402	IDOC: Date
	UZEIT	3	CHAR	6	O		IDOC: Time
<b>E1EDKA1</b>	<b>O</b>		<b>1/99</b>		<b>Document Header Partner Information</b>		
	PARVW	1	CHAR	3	O	AG LF WE	Partner function AG= Requestor LF= Supplier WE= Goods recipient
	PARTN	2	CHAR	17	O	0000956570	Partner number For AG = 1100 (ifm electronic)  For WE=1110 (plant of the ifm electronic)  For LF= ifm supplier nr.
	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





field	Pos. Seg.	type	length	M/O	content/ example	description en
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
<b>E1EDKT2 O 1/99999 Document Header Texts</b>						
TDLINE	1	CHAR	70	O	P4T040570	Text line
TDFORMAT	2	CHAR	2	O	=	Tag column
<b>E1EDP01 O 1/99999 Document Item General Data</b>						
POSEX	1	CHAR	6	O	00021	Item number
						Flag: order acknowledgment required
KZABS	4	CHAR	1	O	X	
MENGE	5	CHAR	15	O	5400	Quantity
						Unit of measure (depends on the main data of the ifm material)
MENEE	6	CHAR	3	O	PCE	
BMNG2	7	CHAR	15	O	1000	Quantity in price unit
						Price Unit of Measure (depends on the main data of the ifm material)
PMENE	8	CHAR	3	O	PCE	
VPREI	10	CHAR	15	O	2.82	Price (net)
PEINH	11	CHAR	9	O	100	Price unit
NETWR	12	CHAR	18	O	152.28	Item value (net)
NTGEW	15	CHAR	18	O		Net weight
GEWEI	16	CHAR	3	O		Weight unit
						Flag: More than one schedule line for the item
EINKZ	17	CHAR	1	O		
CURCY	18	CHAR	3	O		Currency
PREIS	19	CHAR	18	O		Gross price
						Denominator for Conv. of Order Price Unit into Order Unit
BPUMN	24	DEC	6	O	1	
						Numerator for Conversion of Order Price Unit into Order Unit
BPUMZ	25	DEC	6	O	1	
						Reason for rejection of quotations and sales orders
ABGRU	26	CHAR	2	O		
ABGRT	27	CHAR	40	O		Description
FIXMG	29	CHAR	1	O		Delivery date and quantity fixed
						Order Combination Indicator
KZAZU	30	CHAR	1	O		
BRGEW	31	CHAR	18	O		Total weight
PSTYV	32	CHAR	4	O		Sales Document Item Category





field	Pos. Seg.	type	length	M/O	content/ example	description en
EMPST	33	CHAR	25	O		Receiving point
ABTNR	34	CHAR	4	O		Department number
ABRVW	35	CHAR	3	O		Usage Indicator
LPRIO	37	NUMC	2	O		Delivery Priority
LPRIO_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
HIEVV	47	CHAR	1	O		Use of Hierarchy Item
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
<b>E1EDP02 001 M 1/9999 IDoc position references</b>						
QUALF	1	CHAR	15	M	001: Bestellung Kunde	IDOC Qualifier Referenzbeleg
BELNR	2	CHAR	15	M	4500982897	Bestellnummer ifm
ZEILE	3	CHAR	8	M	10	Positionsnummer
<b>E1EDP20 O 1/9999 IDoc schedule lines</b>						
WMENG	1	CHAR	15	O	5400	Scheduled quantity
AMENG	2	CHAR	15	O	0000	Previous scheduled quantity
EDATU	3	CHAR	8	O	20211210	Date



field	Pos. Seg.	type	length	M/O	content/ example	description en
EZEIT	4	CHAR	6	O		Time
<b>E1EDP19</b>						
<b>O</b>		<b>1/5</b>		<b>Document Item Object Identification</b>		
QUALF	1	CHAR	3	O	001 Material number used by customer 002 Material number used by vendor 003 International Article Number(EAN)	IDOC object identification such as material no.,customer
IDTNR	2	CHAR	35	O	80296322	IDOC material ID
KTEXT	3	CHAR	0	O	6-kant-Winkelschraubendreher-Satz, Edels	IDOC short text
MFRPN	4	CHAR	42	o/m	ARE1-8930-00000	Manufacturer part number Has to be filled for QUALF =002
MFRNR	5	CHAR	10	O	0002000370	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
<b>E1EDS01</b>						
<b>O</b>		<b>1/5</b>		<b>Summary segment general</b>		
SUMID	1	CHAR	3	O	001 Number of items (purchase order count) 002 Net document value (EVT) 005 Sales tax total	
SUMME	2	CHAR	18	O	3322.08	Total value of sum segment
SUNIT	3	CHAR	3	O	USD	Total value unit for totals segment in the shipping notif.
WAERQ	3	CHAR	3	O		Currency