



# EDI GUIDE

XML-PROACT01

Version 1.0

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## Änderungsblatt

| Version | changed    | from      | Site | Notes   |
|---------|------------|-----------|------|---------|
| 1.0     | 27.05.2020 | Leo Grenz |      | Created |
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## 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.

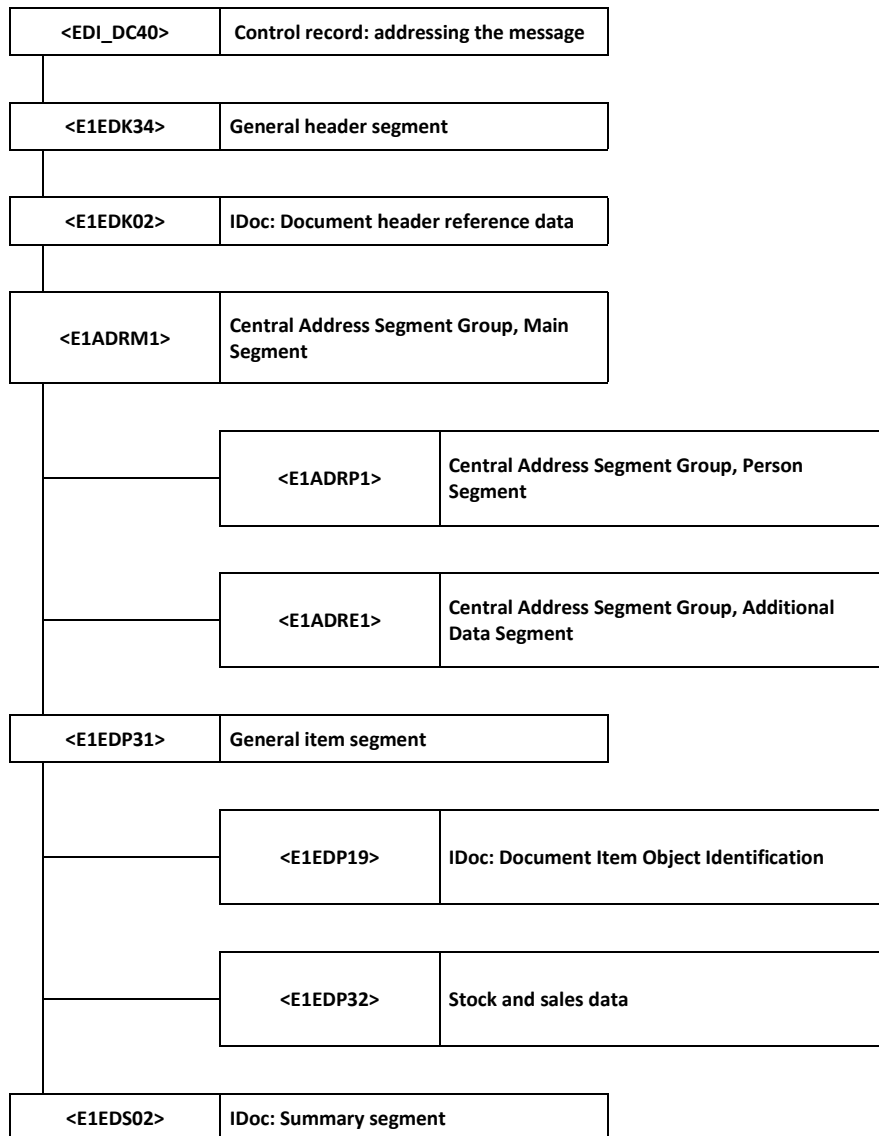
Based on the business process certain fields will always be filled as they are mandatory for the underlying process despite being technically marked as optional.

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](mailto:edi.support@ifm.com)

## 1.0 Message structure



## 2.0 Segment description

| field  | Pos. Seg. | type | length | M/O | content/ example               | description en                   |
|--|-----------|------|--------|-----|--------------------------------|----------------------------------|
| <b>PROACT01</b>  |           |      |        |     |                                |                                  |
| ED1_DC40 <b>Control record: addressing the message</b> |           |      |        |     |                                |                                  |
| TABNAM   | 1         | CHAR | 10     | M   | EDI_DC40                       | constant value "EDI_DC40"        |
| MANDT  | 2         | CLNT | 3      | O   | 600                            | client                           |
| DOCNUM   | 3         | CHAR | 16     | M   | 85711330                       | idoc number                      |
| DOCREL   | 4         | CHAR |        | O   | 750                            | release                          |
| STATUS   | 5         | CHAR | 2      | O   | 30                             | status of idoc                   |
| DIRECT   | 6         | CHAR | 1      | M   |                                | direction                        |
| OUTMOD   | 7         | CHAR | 1      |     | 2                              | output mode                      |
| EXPRSS   | 8         | CHAR | 1      |     |                                | overriding in inbound processing |
| TEST   | 9         | CHAR | 1      |     |                                | test flag                        |
| IDOCTYP  | 10        | CHAR | 30     | M   | PROACT01                       | name of basic type               |
| CIMTYP   | 11        | CHAR | 30     | O   |                                | extension                        |
| MESTYP   | 12        | CHAR | 30     | M   | PROACT                         | message type                     |
| MESCOD   | 13        | CHAR | 3      | O   |                                | message code                     |
| MESFCT   | 14        | CHAR | 3      | O   |                                | message function                 |
| STD  | 15        | CHAR | 1      |     | E                              | EDI standard, flag               |
| STDVRS   | 16        | CHAR | 6      |     |                                | EDI standard, version            |
| STDMES   | 17        | CHAR | 6      |     | INVRPT                         | message type                     |
| SNDPOR   | 18        | CHAR | 10     | M   | LS                             | sender port                      |
| SNDPRT   | 19        | CHAR | 2      | M   |                                | partner type of sender           |
| SNDPFC   | 20        | CHAR | 2      |     |                                | 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        | TIMS | 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                                       |
|----------------|------------|-----------|-------------|--------|--|-----------------------|--|
| <b>E1EDK34</b> | <b>M</b>   |           | <b>1/1</b>  |        | <b>General header segment</b>                      |                       |  |
|                | ACTION     | 1         | CHAR        | 3      |  |                       | Action code for the whole EDI message                |
|                | DATUM      | 2         | CHAR        | 8      |  | 20200512              | IDOC: Date   |
|                | UZEIT      | 3         | CHAR        | 6      |  | 95450                 | IDOC: Time   |
| <b>E1EDK02</b> | <b>O</b>   |           | <b>1/10</b> |        | <b>IDoc: Document header reference data</b>        |                       |  |
|                | QUALF      | 1         | CHAR        | 3      |  |                       | IDOC qualifier reference document                    |
|                | BELNR      | 2         | CHAR        | 35     |  |                       | IDOC document number                                 |
|                | POSNR      | 3         | CHAR        | 6      |  |                       | Item number  |
|                | DATUM      | 4         | CHAR        | 8      |  |                       | IDOC: Date   |
|                | UZEIT      | 5         | CHAR        | 6      |  |                       | IDOC: Time   |
| <b>E1ADRM1</b> | <b>M</b>   |           | <b>1/10</b> |        | <b>Central Address Segment Group, Main Segment</b> |                       |  |
|                | PARTNER_Q  | 1         | CHAR        | 3      |  | WE                    | Qualifier for partner function                       |
|                | ADDRESS_T  | 2         | CHAR        | 1      |  |                       | Addr. type   |
|                | PARTNER_ID | 3         | CHAR        | 17     |  | 1110                  | Partner no. (SAP)                                    |
|                | JURISDIC   | 4         | CHAR        | 17     |  |                       | Location for tax calculation - Tax Jurisdiction Code |
|                | LANGUAGE   | 5         | CHAR        | 2      |  | DE                    | Language key   |
|                | FORMOFADDR | 6         | CHAR        | 15     |  |                       | Form of address                                      |
|                | NAME1      | 7         | CHAR        | 40     |  | ifm electronic gmbh   | Name or address line                                 |
|                | NAME2      | 8         | CHAR        | 40     |  |                       | Name or address line                                 |
|                | NAME3      | 9         | CHAR        | 40     |  |                       | Name or address line                                 |
|                | NAME4      | 10        | CHAR        | 40     |  |                       | Name or address line                                 |
|                | NAME_TEXT  | 11        | CHAR        | 50     |  |                       | Name or address line (formatted)                     |
|                | NAME_CO    | 12        | CHAR        | 40     |  |                       | Subsequent line for name or address (c/o)            |
|                | LOCATION   | 13        | CHAR        | 40     |  |                       | Location description of location                     |
|                | BUILDING   | 14        | CHAR        | 10     |  |                       | Location description: Building                       |
|                | FLOOR      | 15        | CHAR        | 10     |  |                       | Location description: Floor                          |
|                | ROOM       | 16        | CHAR        | 10     |  |                       | Location description: Room                           |
|                | STREET1    | 17        | CHAR        | 40     |  | ifm-Straße 1, Halle 8 | Street and house number                              |
|                | STREET2    | 18        | CHAR        | 40     |  |                       | Street and house number                              |
|                | STREET3    | 19        | CHAR        | 40     |  |                       | Street and house number                              |
|                | HOUSE_SUPL | 20        | CHAR        | 4      |  |                       | House number   |
|                | HOUSE_RANG | 21        | CHAR        | 10     |  |                       | House no. (interval)                                 |
|                | POSTL_COD1 | 22        | CHAR        | 10     |  | 88069                 | Postal code  |
|                | POSTL_COD3 | 23        | CHAR        | 10     |  |                       | Post delivery district                               |
|                | POSTL_AREA | 24        | CHAR        | 15     |  |                       | Post delivery district                               |
|                | CITY1      | 25        | CHAR        | 40     |  | Tettngang             | Town or city   |
|                | CITY2      | 26        | CHAR        | 40     |  |                       | Town or city   |
|                | POSTL_PBOX | 27        | CHAR        | 10     |  |                       | PO Box   |
|                | POSTL_COD2 | 28        | CHAR        | 10     |  |                       | Postal code  |
| POSTL_CITY     | 29         | CHAR      | 40          |        |  | Town or city          |  |

| field  | Pos. Seg. | type | length | M/O | content/ example   | description en   |
|--|-----------|------|--------|-----|--------------------|--|
| TELEPHONE1   | 30        | CHAR | 30     |     |                    | Telephone number   |
| TELEPHONE2   | 31        | CHAR | 30     |     |                    | Telephone number   |
| TELEFAX  | 32        | CHAR | 30     |     |                    | Fax number   |
| TELEX  | 33        | CHAR | 30     |     |                    | Telex number   |
| E_MAIL   | 34        | CHAR | 70     |     |                    | E-Mail Address   |
| COUNTRY1   | 35        | CHAR | 3      |     | DE                 | Country indicator (ISO alphanumeric)                     |
| COUNTRY2   | 36        | CHAR | 3      |     |                    | Country indicator (ISO numeric)                          |
| REGION   | 37        | CHAR | 3      |     | 08                 | Region, state  |
| COUNTY_COD   | 38        | CHAR | 3      |     |                    | County Code (e.g. in USA)                                |
| COUNTY_TXT   | 39        | CHAR | 25     |     |                    | County name (for example, in USA)                        |
| TZCODE   | 40        | CHAR | 6      |     |                    | Location for time zone (SAP code)                        |
| TZDESC   | 41        | CHAR | 35     |     |                    | Location for time zone (external code)                   |
| <b>E1ADRP1 O 1/10 Central Address Segment Group, Person Segment</b>          |           |      |        |     |                    |  |
| PERSON_Q   | 1         | CHAR | 3      |     |                    | Qualifier for contact person (person function)           |
| TITLE  | 2         | CHAR | 4      |     |                    | Form-of-Address Key                                      |
| NAME_FIRST   | 3         | CHAR | 35     |     |                    | Name components  |
| NAME_LAST  | 4         | CHAR | 35     |     |                    | Last name  |
| NAME2_PERS   | 5         | CHAR | 35     |     |                    | Name components  |
| NICKNAME   | 6         | CHAR | 20     |     |                    | Nickname or first name                                   |
| INITIALS   | 7         | CHAR | 10     |     |                    | Initials or "middle initial"                             |
| TITLE_ACA1   | 8         | CHAR | 4      |     |                    | Academic grades and names affixes                        |
| TITLE_ACA2   | 9         | CHAR | 4      |     |                    | Academic grades and names affixes                        |
| TITLE_SPPL   | 10        | CHAR | 4      |     |                    | Academic grades and names affixes                        |
| PREFIX1  | 11        | CHAR | 4      |     |                    | Name prefix  |
| PREFIX2  | 12        | CHAR | 4      |     |                    | Name prefix  |
| DEPARTMENT   | 13        | CHAR | 40     |     |                    | Department   |
| FUNCTION   | 14        | CHAR | 40     |     |                    | Function   |
| <b>E1ADRE1 O 1/10 Central Address Segment Group, Additional Data Segment</b> |           |      |        |     |                    |  |
| EXTEND_Q   | 1         | CHAR | 3      |     |                    | Qualifier for additional data, e.g. ILN or D&B number    |
| EXTEND_D   | 2         | CHAR | 70     |     |                    | Additional data, e.g. ILN or D&B no.                     |
| <b>E1EDP31 M 1/999 General item segment</b>                                  |           |      |        |     |                    |  |
| ACTION   | 1         | CHAR | 3      |     |                    | Action code for the whole EDI message                    |
| POSEX  | 2         | CHAR | 6      |     | 10                 | Item number  |
| <b>E1EDP19 M 1/5 IDoc: Document Item Object Identification</b>               |           |      |        |     |                    |  |
| QUALF  | 1         | CHAR | 3      |     | 001                | IDOC object identification such as material no.,customer |
| IDTNR  | 2         | CHAR | 35     |     | 000000000000600408 | IDOC material ID   |

| field                                       | Pos. Seg. | type | length | M/O | content/ example                  | description en   |
|---|-----------|------|--------|-----|-----------------------------------|--|
| KTEXT                                       | 3         | CHAR | 70     |     | OPV SINGLE TLC271<br>SO8/157 051N | IDOC short text  |
| MFRPN                                       | 4         | CHAR | 42     |     |                                   | Manufacturer part number                                   |
| MFRNR                                       | 5         | CHAR | 10     |     |                                   | Manufacturer number  |
| IDTNR_EXTERNAL                              | 6         | CHAR | 40     |     |                                   | Length of Material (Future Development) for Field IDTNR    |
| IDTNR_VERSION                               | 7         | CHAR | 10     |     |                                   | Version Number (Future Development) for Field IDTNR        |
| IDTNR_GUID                                  | 8         | CHAR | 32     |     |                                   | External GUID (Future Development) for Field IDTNR         |
| IDTNR_LONG                                  | 9         | CHAR | 40     |     |                                   | IDOC material ID   |
| <b>E1EDP32 M 1/999 Stock and sales data</b> |           |      |        |     |                                   |  |
| QUALF                                       | 1         | CHAR | 3      |     | 030                               | Qualifier for quantity information in IDoc PROACT          |
| QUANTITY                                    | 2         | CHAR | 15     |     | 7.000                             | Quantity   |
| UNIT  | 3         | CHAR | 3      |     | PCE                               | Unit of measure  |
| DATE  | 4         | CHAR | 8      |     | 202000512                         | IDOC: Date   |
| TIME  | 5         | CHAR | 6      |     | 095450                            | IDOC: Time   |
| DATE_TO                                     | 6         | CHAR | 8      |     |                                   | IDOC: Date   |
| TIME_TO                                     | 7         | CHAR | 6      |     |                                   | IDOC: Time   |
| ACTION                                      | 8         | CHAR | 1      |     | N                                 | Activity Code for IDoc Inbound Processing                  |
| <b>E1EDS02 M 1/1 IDoc: Summary segment</b>  |           |      |        |     |                                   |  |
| SUMID                                       | 1         | CHAR | 3      |     | 001                               | Qualifier for totals segment for shipping notification     |
| SUMME                                       | 2         | CHAR | 18     |     | 1                                 | Total value of sum segment                                 |
| SUNIT                                       | 3         | CHAR | 3      |     |                                   | Total value unit for totals segment in the shipping notif. |

|  |          |
|--|----------|
|  | Not used |
|--|----------|