

Guide EDI: Email Integration ORDERS

1 Introduction

The email integration is an additional tool to the real standard of EDI systems, where files are transmitted by help of OFTP with high security at partner identification, data completeness and confirmation of receipt.

A typical EDI system works basically with four information:

Sender / Datatype / Receiver / Datafile

This information need to be given or evaluated within the email integration as follows:

Sender: out of email address sender, special parameter at KOSTAL.

Datatype: out of subject line DSN=abc

Receiver: out of subject line TO=xyz

Datafile: as attachment to the email

It is possible as sender to use different data types (not in one email!) and/or different receivers. KOSTAL defines the values that can be used. They must be given exactly to the agreed writing and „abc“ and „xyz“ have always little letters.

Further texts in subject and lines in the email body are ignored.

The name of the attachment is without significance and need not be changed from transmission to transmission.

The contents of an attachment (datafile) must exactly meet the common standards of VDA, ODETTE or EDIFACT. An exeption is the exclusive use of ASCII representation also for VDA and a possible line structure of the message. Special formats with mutual agreement are CSV-files (MicroSoft EXCEL structures), where elements (data fields) separated by delimiters are arranged in lines. Separate guidelines are available.

One email can have several attachments, even with the same name. For practical reason it should be restricted to 10 attachments.

2 Security

The receiver email address at KOSTAL is given only orally..

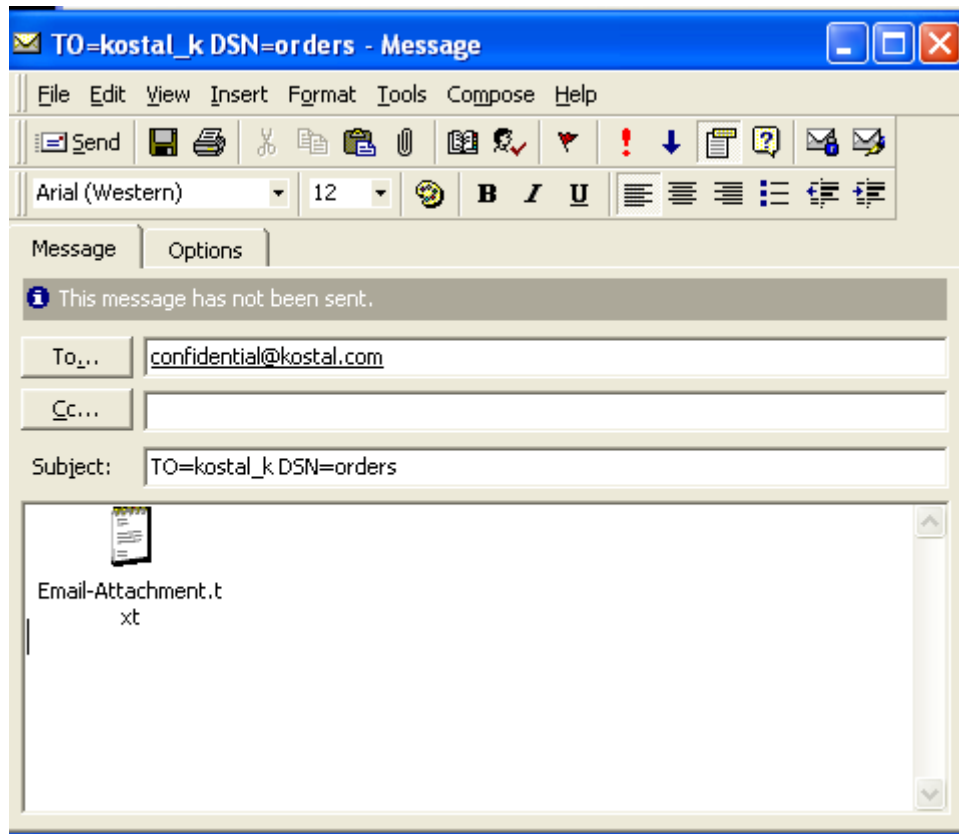
It is very important to avoid misuse (spam) of this email address because the functionality of the EDI system could be adversely affected to a large extent.

The sender is obliged to handle this address discreetly and not to give this information to others.

The last page of this document is to use as template for a signed business letter that the partner has to send back to KOSTAL, Dep. HDS EDI-Services.

There is no confirmation of the receipt of an email. The only way could be through functional acknowledgements, i.e. after integration of the data file into the SAP-System of KOSTAL could a order confirmation be generated and sent back to the original sender by email. Details must be partner specifically agreed, but a possible solution should be as simple as the email integration itself and may not cause too much additional work.

Example of ORDERS (Special CSV Format)
(to Kostal Kontaktsysteme)



The incoming box of the email address is explicitly used for automatic processing by the EDI system. Disponents can neither check emails, open or copy attachments nor work manually with the data file.

There is no possibility to see in the SAP incoming monitor from which technical interface (ISDN-OFTP or Email) the IDocs and generated SAP-objects come from.

The sender of data files is always only an EDI partner at KOSTAL. There must be special information in the contents to determine specific partners if necessary by customer plant and maybe unloading point.

(Revision 1.0)

3 Format Description ORDERS

Only one data file per one order can be used.

Items can refer to different articles for one date or to different dates for one article.

Identical values must be repeated in every line.

Other additional texts are not allowed.

Article numbers are always interpreted as article numbers of the sender (customer).

Even if the KOSTAL article numbers are known and actually used, the KOSTAL disponent has to maintain in SAP the customer-article-info-record.

Fields can be mandatory or conditional. Conditional fields can be empty but must be indicated at least by the delimiter.

In one head line date type, sender and receiver in big letters are given. These data are redundant, but are needed for identification and checking on the EDI system. Additional a transmission date and an interchange control reference can be given.

No special characters like è or ß or â are to be used.

As delimiter of the single fields the colon " : " is used.

PONB = purchase order number (max. 35 characters, alphanumeric)

ITEM = item number (max. 4 figures, numeric)

DATE = order date in format YYYYMMDD (fix 8 figures)

CUMN = customer article number (max. 35 characters, alphanumeric)

LKMN = conditional field for text or referenced LK article number

QTY = QTY (max. 10 figures without decimal point)

Example for one date and different articles

```
ORDERS:SENDER:RECEIVER:DATE:TIME
PONB:ITEM1:DATE:CUMN1:LKMN1:QTY1
PONB:ITEM2:DATE:CUMN2::QTY2
PONB:ITEM3:DATE:CUMN3:LKMN3:QTY3
PONB:ITEM4:DATE:CUMN4:LKMN4:QTY4
PONB:ITEM5:DATE:CUMN5::QTY5
PONB:ITEM6:DATE:CUMN6:LKMN6:QTY6
... and so on.
```

Example for one article and several dates

```
ORDERS:SENDER:RECEIVER:DATE:TIME
PONB:ITEM1:DATE1:CUMN1::QTY1
PONB:ITEM2:DATE2:CUMN1::QTY2
PONB:ITEM3:DATE3:CUMN1::QTY3
PONB:ITEM4:DATE4:CUMN1::QTY4
PONB:ITEM5:DATE5:CUMN1::QTY5
.. and so on.
```

4 File Example ORDERS

ORDERS:COMEX:KOSTAL_K:20030916:1013
K2750/SSP03382846:10:20030929:09430010:0015458681:10000
K2750/SSP03382846:20:20030929:10224406370:Terminal:125000
K2750/SSP03382846:30:20030929:10400474580:Housing:9000
K2750/SSP03382846:40:20030929:10800474580:Sealing:16000
K2750/SSP03382846:50:20030929:22124472200:0075450626:120000
K2750/SSP03382846:60:20030929:22140472970:Terminal:9000

5 Template for Confirmation of Email Address Security within EDI

Please include following text in a business letter, sign and send back to

Leopold Kostal GmbH & Co. KG
58505 Lüdenscheid
Germany
Abt. HDS – EDI-Services.

This is to confirm, that we as EDI partner are obliged to handle the email address at KOSTAL for the electronic data exchange of business documents confidentially and are not allowed to pass this information to anybody else.