

Interface description relating to KMD Opus Postings IND
KMD Opus Økonomi (KMD Opus Finance)

Version 1.6 22.02.2018

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Version history

Cap. 7.3.2: Field 27, Profitcenter. Technical name changed from PROFIT-CTR to PROFIT_CTR.

Cap. 7.3.2: 4 new fields (58-61) added regarding attachment of files.

Cap. 8.1: Field description and set of values added for the new fields (58-61).

Date	Version	Comments
03.03.2016	1.4	<p>Cap. 7.3.2: Field 27, Profitcenter. Technical name changed from PROFIT-CTR to PROFIT_CTR.</p> <p>Cap. 7.3.2: 4 new fields (58-61) added regarding attachment of files.</p> <p>Cap. 8.1: Field description and set of values added for the new fields (58-61).</p>
28.04.2016	1.5	<p>Cap. 7.3.4: Adding information about control fields.</p> <p>Cap. 7.3.4: Field description for R04 and R05 changed.</p> <p>Cap. 7.3.4: Example for R04, R05 and R06 changed.</p> <p>Cap. 8.1.1: Adding of message number 305.</p> <p>Cap. 8.1.3: New version of return file example.</p>
22.02.2018	1.6	<p>We have changed the document totals. Going forward the calculation of debet sum and credit sum will take operational signs on the amount into consideration. This will also have influence on the postings. We have change so that a negative debit posting must be followed by a positive credit posting.</p> <p>Cap. 8.1: We have changed 02 debit postings per document. We have removed line "The sum of the header for debit should not take operational signs on the amount into consideration.". We have also changed the examples. Finally, we have made it clear that the sum must take operational signs on the amount into consideration.</p> <p>Cap. 8.1: We have changed 03 credit postings per document. We have removed line "The sum of the header for credit should not take operational signs on the amount into consideration.". We have also changed the examples. Finally, we have made it clear that the sum must take operational signs on the amount into consideration.</p> <p>Cap. 8.1: We have changed 20 amount. Changed from negative credit to positive credit in the example of Negative postings.</p>

		Cap. 8.1: We have changed 26 GL account. We do not require prefixed "0"s.
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1 Use of the interface description

This interface description constitutes the basis for signing of specific agreements with KMD's customers regarding exchange of data with KMD Opus Økonomi (KMD Opus Finance) based on the standard interface KMD Opus Postings IND.

Basis for entering agreements.

Furthermore, it is a practical work tool in supporting the communication between the customers and KMD with respect to the application of the standard interface.

Transferring or copying the description to a wider extent than stipulated in ophavsretsloven (the Danish Act on Copyright) is not allowed; it is only possible to lend out to software suppliers in connection with establishment of the interface and in connection with in future changes.

Lending out to other suppliers.

Please direct inquiries regarding the standard interface to:

Contact to KMD.

KMD Opus Økonomi kmdopus-okonomi@kmd.dk

2 Purpose and target groups

2.1 What is the purpose of the standard interface?

The purpose of the standard interface is to allow other systems to deliver postings to KMD Opus Økonomi via a common interface.

By using this interface and prior to agreement, a system can deliver postings to KMD Opus Økonomi.

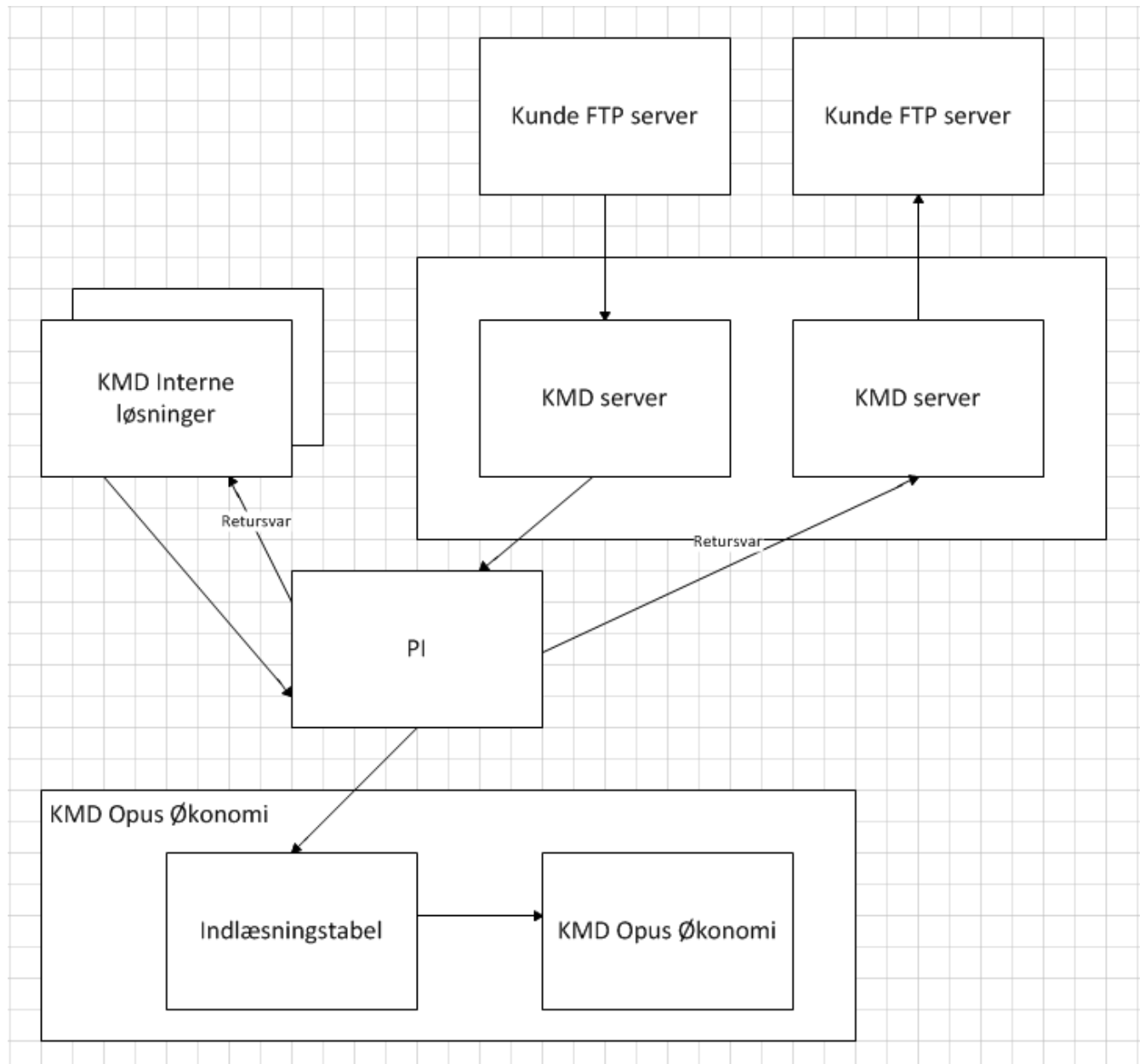
2.2 Who are the target groups?

The description is targeted at internal as well as external stakeholders who wish to become data suppliers of postings to KMD Opus Økonomi.

Internal stakeholders should be understood as departments in KMD with product responsibility of intermunicipal or individual solutions.

External stakeholders should be understood as municipalities who via their own solutions - i.e. non-KMD standard solutions - wish to deliver postings to KMD Opus Økonomi.

3 The architecture of the standard interface



The flow chart illustrates KMD Opus Økonomi's processing of postings delivered from other solutions.

The Internal solutions deliver to KMD Opus Økonomi's PI where a rough validation is made. If a document is not approved in the above-mentioned rough validation, a message is returned to the sending system regarding the specific document. The other documents are forwarded to KMD Opus Økonomi where they entered into the accounts or in SM35 for manual processing.

The External solutions deliver a file to KFS. The file is extracted to PI where a rough validation is made. If a document is not approved in the above-mentioned rough validation, a message regarding the specific document is returned to the customer who is delivering. The other documents are forwarded to KMD Opus Økonomi where they entered into the accounts or in SM35 for manual processing.

One file is only allowed to contain postings from one Data supplier ID.

The interface processes general ledger postings which update operating income and balance sheet, and thereby not e.g. opening balance corrections and direct main account 9-postings.

Documents of more than 300 lines excluding tax lines created will be split into several documents when posted in KMD Opus Økonomi.

The delivering system will always receive a confirmation from Opus Økonomi. Error messages is part of this confirmation (retur svar).

4 Technical implementation

The Internal solutions deliver to KMD Opus Økonomi's PI.

Interface from External solutions is run via KFS (KMD's File Sending System).

A KFS server sends/receives files to/from KMD Opus Økonomi.

The XML files are exchanged via a catalog on the municipality's own server for processing in KMD Opus Økonomi.

The customer's catalogs must be agreed on an individual basis.

5 Conditions for application of the standard interface

The interface can be used by all municipalities signed up for KMD Opus Økonomi.

Each external supplier must go through an approval procedure the first time they deliver postings for a municipality.

The solutions must apply an approved Data supplier ID. The Data supplier ID is informed when connection is established to the interface.

6 Guarantees

Change notification in connection with data structures and/or validation rules is 3 months.

Notification will be submitted via email to the email mailbox registered by the municipality. This is registered when entering the interface agreement.

7 Protocol for data exchange

7.1 How is the data stream built?

Naming a file:

ZFIR_KMD_Opus_Posteringer_IND_xxx_zzzz_yyyymmdd_hhmmss.xml

Where

xxx = Municipality number

zzzz = Data supplier ID

yyymmdd = Date of creation of the file

hhmmss = Time of creation of the file

One file per Data supplier ID must be created.

Naming a return file:

ZFIR_KMD_Opus_Posteringer_IND_xxx_zzzz_yyyymmdd_hhmmss.xml

Where

xxx = Municipality number

zzzz = Data supplier ID

yyymmdd = Date of the submitted file

hhmmss = Time of the submitted file

7.2 Which character set(s) must be used?

The XML file must be in file format "UTF-8" .

7.3 Which data formats should be applied?

The postings are delivered in compliance with the structures described in more detail in the following and must be exchanged in XML format.

The data type for all fields is STRING within the specified lengths.

Explanation to the column headings of the structures:

Field no.: Continuous field number

Field name: Descriptive name

Field specification: Field name in the interface

Completing fields:

X = Mandatory field that must always be completed

O = Optional field that can be completed

Blank = The field must not be completed. The field is included in the interface to allow for future use

Field length: Number of characters for the field length

7.3.1 Control fields in file

The information is specified once per file

Field no.	Field name	Field specification	Completing fields	Field length	Example
K01	Afsender (Sender)	SENDERID	X	10	P01CLNT907
K02	Modtager (Recipient)	RECEIVER	X	10	P01CLNT907
K03	Filnavn (File name)	FILE_NAME	X	100	ZFIR_KMD_Opus_Posterings_IND_xxx_zz_zz_yyyymmdd_hhmmss.xml
K04	Dato for filens dannelse (Date of creation of the file)	SEND_DATE	X	8	20140701
K05	Klokkeslæt for filens dannelse (Time of creation of the file)	SEND_TIME	X	6	120500

7.3.2 Header information per document

The structure must only occur once per document in the file.

Field no.	Field name	Field specification	Completing fields	Field length	Example
01	Posteringslinjer pr bilag (Posting lines per document)	NO_DOC_POSITION	X	5	307
02	Debet posteringslinjer pr. bilag (Debit postings per document)	BALANCE_DEBIT	X	15	1234567.89

03	Kreditposterings pr. bilag (Credit postings per document)	BALANCE_CREDIT	X	15	-1234567.89
04	Kommunennummer (Municipality number)	MUNICIPALITY	X	3	751
05	Firmakode (Company code)	COMP_CODE	X	4	0020
06	Bilagsart (Document type)	DOC_TYPE		2	
07	Bilagsdato (Document date)	DOC_DATE	X	8	20140701
08	Bogføringsdato (Posting date)	PSTNG_DATE	X	8	20140701
09	Periode (Period)	FIS_PERIOD	O	2	03
10	Brugernavn (User name)	USERNAME		12	
11	Referencebilagsnummer (Reference document number)	RECEIV_DOC	X	16	34000000000010
12	Bilagstop tekst (Document header)	HEADER_TXT	X	25	Y001
13	Valutanøgle (Currency key)	CURRENCY		5	
14	Valutakurs (Exchange rate)	EXCH_RATE		9	
15	Omregningsdato for valuta (Conversion date for currency)	TRANS_DATE		8	20140701
16	Dataleverandørident (Data supplier ID)	XREF1_HD	X	20	Y001
17	Referencenøgle 2 Intern bilagstop (Reference key 2 Internal document header)	XREF2_HD	O	20	Fri tekst (Free text)
18	Alternativt referencenummer (Alternative reference number)	XBLNR_ALT		26	

58	Filnavn (file name)	FILE_NAME	O	String	Fri tekst (free text)
59	Fillængde (file length)	FILE_LENGTH	O	10	15896 (in byte)
60	Filtype (file type)	FILE_TYPE	O	10	PDF
61	Fildata (file data)	FILE	O	Raw-string	

7.3.3 Line information

This information occurs for each line in the document.

Field no.	Brief description	Field specification	Completing fields	Field length	Example
19	Debet/kredit indikator (Debit/credit indicator)	DEB_CRED_IND	X	1	D
20	Beløb (Amount)	AMT_DOCCUR	X	15	1234567.89 -1234567.89
21	Valørdato (Value date)	VALUE_DATE	O	8	20140701
22	Tekst på posteringslinjen (Text on posting line)	ITEM_TEXT	O	50	Fri tekst (Free text)
23	Allokeringsfelt (Allocation field)	ALLOC_NMBR	O	18	Fri tekst (Free text)
24	Omkostningssted (Cost center)	COSTCENTER	O	10	1234567890
25	Statistisk intern ordre (Statistical internal order)	ORDERID	O	12	1234656789012
26	Artskonto (GL account)	GL_ACCOUNT	X	10	40120000
27	Profitcenter (Profit center)	PROFIT_CTR	O	10	1234567890
28	Netværk (Network)	NETWORK	O	12	000000124711
29	Operation (Operation)	ACTIVITY	O	4	8503
30	PSP-element (PSP element)	WBS_ELEMENT	O	24	XG- 1234567890- 12345
31	Partner Profitcenter (Partner Profit center)	PART_PRCTR		10	

32	Referencenøgle 1 (Reference key 1)	REF_KEY_1	O	12	Fri reference (Free reference)
33	Referencenøgle 2 (Reference key 2)	REF_KEY_2	O	12	Fri reference (Free reference)
34	Afleverende systems linjenummer på bilaget (Sending system's line number on the document)	REF_KEY_3	X	20	2
35	Bilagsnummer til disposition (Document number available)	RES_DOC		10	
36	Bilagslinje til disposition (Document line available)	RES_ITEM		3	
37	Betalingsreference (Payment reference)	PAYMT_REF		30	
38	Aktivitetsart (Activity type)	ACTTYPE		6	
39	Betalingsmodtager-nummerkode (Payee number code)	PAYEE_NO_CODE	O	2	11
40	Betalingsmodtagernummer (Payee number)	PAYEE_NO	O	15	12345678
41	Ydelsesmodtager-nummerkode (Service recipient number code)	SERV_REC_NO_CODE	O	2	02
42	Ydelsesmodtagernummer (Service recipient number)	SERV_REC_NO	O	15	0515671234
43	Oplysningspligtnummerkode (Information duty number code)	INFORM_DUTY_NO_C	O	2	02
44	Oplysningspligtnummer (Information duty number)	INFORM_DUTY_NO	O	15	0515671234
45	Oplysningspligtkode (Information duty code)	INFORM_DUTY_CODE	O	1	H
46	Aftaleindholdsart/Påliggingsår (Agreement object type/assessment year)	MAIN_TRANSACTION	O	4	1234

47	Aftalekontotype (Opus Debitor 2 pos.)/Betalingsart (Agreement account type (Opus Debitor 2 pos.)/Payment type)	SUB_TRANSACTION	O	3	05
48	Dataleverandørident (Data supplier ID)	ZZCSYSIDN	X	4	Y001
49	BevillingsID (Allocation ID)			10	
50	YdelsesID (Benefit ID)			10	
51	Ydelsesperiode Fra (Benefit period From)	ZZYPER_FRA		8	20150101
52	Ydelsesperiode Til (Benefit period To)	ZZYPER_TIL		8	20150131
53	Mængde (Quantity)			17	
54	Mængdeenhed (Quantity unit)			3	
55	Disponibelt felt 1 (Available field 1)			10	
56	Disponibelt felt 2 (Available field 2)			10	
57	Disponibelt felt 3 (Available field 3)			10	

7.3.4 Returfil (Return file)

The return file will contain control fields K01-K05 as described in 7.3.1.

Furthermore it will contain:

Field no.	Brief description	Field specification	Completing fields	Field length	Example
R01	Referencebilagsnummer fra modtaget bilag (Reference document number from received document)	RECEIV_DOC	O	16	1000

R02	Positionsnummer fra modtaget bilag (Position number from received document)	POSNR_ACC	O	10	000000200
R03	Meddelelsestype (Message type)	MESSAGE_TYPE	X	1	I
R04	Meddelelsesgruppe (Message group)	MESSAGE_CLASS	X	20	ZFIR_EXTPOST
R05	Meddelelsesnummer (Message number)	MESSAGE_NUM	X	3	305
R06	Meddelelsetekst (Message text)	MESSAGE_TEXT	X	220	Firmakode 0020 bilagsnr. 1000 pr. 28.04.2016 modtaget uden fejl

8 Validation of data

8.1 Which requirements apply to the validity of data?

In general

All fields must comply with the validation rules which are valid for the fields and combinations of fields in question, as if the fields were reported directly in KMD Opus Økonomi.

K01 Afsender (SENDERID)

Set of values: Alphanumeric 10 positions

Specified as: yyyCLNTxxx

Where

yyy = The production environment containing the municipality's KMD Opus Økonomi (P01, P02, P03, P04 or other)

xxx = Municipality number

K02 Modtager (RECEIVER)

Set of values: Alphanumeric 10 positions

Specified as: yyyCLNTxxx

Where

yyy = The production environment containing the municipality's KMD Opus Økonomi (P01, P02, P03, P04 or other)

xxx = Municipality number

K03 Filnavn (FILE_NAME)

Set of values: Alphanumeric, 100 positions

Must be identical with file name.

K04 Dato for filens dannelselse (SEND_DATE) (Date of creation of the file)

Set of values: YYYYMMDD

K05 Klokkeslæt for filens dannelselse (SEND_TIME) (Time of creation of the file)

Set of values: HHMMSS

01 Posteringslinjer pr. bilag (NO_DOC-POSITION) (posting lines per document)

The field must be completed with number of posting lines used for checking that the document contains all of the expected lines.

Set of values: Numeric, 5 positions

02 Debetposterings pr. bilag (BALANCE_DEBET) (debit postings per document)

The field must be completed with the sum of debit postings used for checking that the document contains all of the expected lines.

The sum in Debet must always be = the sum in Credit but credit will have opposite sign. The field 02 = 03.

In addition to this the field 02 must always be = the sum of the lines with D in field 19, per document.

The sum is always specified in DKK including VAT. With "." between kroner and øre and without thousand separator.

Example:

D -500 (negative posting)
D 2000 (regular posting)
K -1500 (regular posting)

Correct:

Total Debit 1500
Total Credit -1500

Incorrect:

Total Debit 2500
Total Credit -1500

Set of values: Numeric, 15 positions

11 positions for krone amount
1 position for "."
2 positions for øre amount (must be completed with "00" for whole krone amounts)

03 Kreditposterings pr. bilag (BALANCE_CREDIT) (credit postings per document)

The field must be completed with the sum of credit postings which must be used for checking that the document contains all of the expected lines.

The sum in Credit must always be = the sum in Debit but debit will have opposite sign.. The field 03 = 02.

In addition to this the field 03 must always be = the sum of the lines with K in field 19, per document.

The sum is always specified in DKK including VAT. With "." between kroner and øre and without thousand separator.

Example:

D 1000 (regular posting)
K 1500- (regular posting)
K 500 (negative posting)

Correct:

Total Debit 1000
Total Credit -1000

Incorrect:

Total Debit 1000
Total Credit -2000

Set of values: Numeric, 15 positions

11 positions for krone amount
1 position for "."
2 positions for øre amount (must be completed with "00" for whole krone amounts)

04 Kommunenummer (MUNICIPALITY) (municipality number)

Municipality number must be entered, the same as the client number in Opus Økonomi.

Set of values: Numeric, 3 positions

05 Firmakode (COMP_CODE) (company code)

The field must be completed with one of the Firmakoder (company codes) specified in the municipality's Opus Økonomi.

Set of values: Numeric, 4 positions

The municipality's primary company code is 0020.

06 Bilagsart (DOC_TYPE) (document type)

The field is reserved for future use.

07 Bilagsdato (DOC_DATE) (document date)

The field must be filled in with the original Bilagsdato (document date).

Set of values: YYYYMMDD

The document date in connection with the posting date can be used for specifying if a posting is a pre-supplement. Refer to guide on supplement posting found on KMD Customer Service Network.

08 Bogføringsdato (PSTNG_DATE) (posting date)

The field must be filled in with the Bogføringsdato (posting date) on which the document must be registered in Opus Økonomi. Registration can only be done on open periods in Opus Økonomi.

Set of values: YYYYMMDD

The posting date in connection with the document date can be used for specifying if a posting is a pre-supplement. Refer to guide on supplement posting found on KMD Customer Service Network.

09 Periode (FIS_PERIOD) (period)

The field can be filled in with the Måned (month) or supplement period in which the document must be registered in Opus Økonomi.

As standard, the value in the field, if any, is overwritten by the system, based on the month that appears on the posting date. When the posting date is in December, and the document date is in the same year as the posting date, the special periods 13, 14, and 15 can be specified in the field.

Set of values: Numeric, 2 positions

10 Brugernavn (USERNAME) (user name)

The field is reserved for future use.

11 Referencebilagsnummer (RECEIV_DOC) (reference document number)

The field must be completed with the document number that the document has in the original system. The document number must be applied in order to secure the traceability between the originally registering system and Opus Økonomi.

Set of values: Alphanumeric, 16 positions

12 Bilagstoptekst (HEADER_TXT) (document top text)

A Data supplier ID must be specified for the purpose of balancing.

Set of values: Alphanumeric, 25 positions

The data supplier identification is stated per system when connection is established to the interface. The data supplier identification is 4 characters long.

13 Valutanøgle (CURRENCY) (currency key)

The field is reserved for future use.

14 Valutakurs (EXCH_RATE) (exchange rate)

The field is reserved for future use.

15 Omregningsdato for valuta (TRANS_DATE) (recalculation date for currency)

The field is reserved for future use.

16 Dataleverandørident (XREF1_HD) (data supplier identification)

A Data supplier ID must be specified.

Set of values: Alphanumeric, 20 positions

Must have the same value as field 12 Bilagstoptekst (HEADER_TXT) (document header text).

17 Referencenøgle 2 Intern bilagstop (XREF2_HD) (reference key 2 Internal document header)

Here an optional description of the posting can be specified.

Set of values: Alphanumeric, 20 positions

18 Alternativt referencenummer (XBLNR_ALT) (alternative reference number)

The field is reserved for future use.

19 Debet/kredit indikator (DEB_CRED_IND) (debit/credit indicator)

The field must be completed with a specification indicating if a posting is an expense (debit) or a revenue (credit)

Set of values: D = Debit
K = Kredit (Credit)

Specified with capital letters.

20 Beløb (AMT_DOCCUR) (amount)

The field must be filled out with Beløb (amount) - always specified in DKK including VAT. With "." between kroner and øre and without thousand separator and a prefixed "-", if relevant.

Set of values: Numeric, 15 positions

- 1 position for prefixed "-", if relevant
- 11 positions for krone amount
- 1 position for "."
- 2 positions for øre amount (must be completed with "00" for whole krone amounts)

Example:

Debit posting: Field 19 (DEB_CRED_IND) = D,

Amount is specified as 345,00

Credit posting: Field 19 (DEB_CRED_IND) = K,

Amount is specified as -345,00

Negative postings are identified by field 19 Debit/Credit indicator (DEB_CRED_IND) combined with the amount:

- Negative Debit posting: DEB_CRED_IND=D and negative amount
- Positive Credit posting: DEB_CRED_IND=K and positive amount

Example:

Negative Debit posting: Field 19 (DEB_CRED_IND) = D,
Amount is specified as -345,00

Negative Credit posting: Field 19 (DEB_CRED_IND) = K,
Amount is specified as 345,00

21 Valørdato (VALUE_DATE) (value date)

Here you can specify Valørdato (value date).

Set of values: YYYYMMDD

22 Tekst på posteringslinjen (ITEM_TEXT) (text on the posting line)

Here text on the posting line can be specified.

Set of values: Alphanumeric, 50 positions

23 Allokeringfelt (ALLOC_NMBR) (allocation field)

Here you can specify an allocation as an extra information field.

Set of values: Alphanumeric, 18 positions

24 Omkostningssted (COSTCENTER) (cost center)

Here you can specify the Omkostningssted (cost center) on which the posting should be entered.

Set of values: Alphanumeric 10 positions

Prefixed "0"s, if any, must be filled out.

The cost center must be created in Opus Økonomi.

For operations postings, either field 24 Omkostningssted (cost center), field 30 PSP element or field 28/29 Netværk/Operation (network/operation) must be completed.

For balancing postings neither field 24 Omkostningssted (cost center), field 30 PSP element nor field 28/29 Netværk/Operation (network/operation) must be completed.

25 Statistisk intern ordre (ORDERID) (statistical internal order)

Here you can specify the Statistical internal order on which the posting should be entered.

Set of values: Alphanumeric, 12 positions

The Statistical internal order must be created in Opus Økonomi.

26 Artskonto (GL_ACCOUNT) (GL account)

The field must be filled in with the GL account on which the posting must be entered in Opus Økonomi.

Set of values: Numeric, 10 positions

The GL account must be created in Opus Økonomi. Please note that in Opus Økonomi the GL account is 8 positions long.

Postings cannot be done directly on the following købsmomskonti (input VAT accounts) and toldmomskonti (duty VAT accounts):

68700000
68702000
68703000
68704000
95999010
95999020
95999030
95999033

27 Profitcenter (PROFIT_CTR) (profit center)

Here you can specify the Profit center on which the posting should be entered.

Set of values: Alphanumeric 10 positions

Prefixed "0"s must be filled out.

The profit center must be created in Opus Økonomi. The profit center can only be used on balance sheet accounts.

28 Netværk (NETWORK) (network)

Here you can specify the Netværk (network) on which the posting should be entered.

Set of values: Numeric, 12 positions

Prefixed "0"s must be filled out.

The Network must be created in Opus Økonomi. If Netværk (Network) is filled out, then Operation must also be filled out.

For operations postings, either field 24 Omkostningssted (cost center), field 30 PSP element or field 28/29 Netværk/Operation (network/operation) must be completed.

For balancing postings neither field 24 Omkostningssted (cost center), field 30 PSP element nor field 28/29 Netværk/Operation (network/operation) must be completed.

29 Operation (ACTIVITY)

Here you can specify the Operation on which the posting should be entered.

Set of values: Alphanumeric, 4 positions

Prefixed "0"s must be filled out.

The Network must be created in Opus Økonomi. If Operation is filled out, then Netværk (network) must also be filled out.

For operations postings, either field 24 Omkostningssted (cost center), field 30 PSP element or field 28/29 Netværk/Operation (network/operation) must be completed.

For balancing postings neither field 24 Omkostningssted (cost center), field 30 PSP element nor field 28/29 Netværk/Operation (network/operation) must be completed.

30 PSP element (WBS_ELEMENT)

Here you can specify the PSP element on which the posting should be entered.

Set of values: XA-XXXXXXXXXX-XXXXX (Construction project)
XD-XXXXXXXXXX-XXXXX (Operations project)
XG-XXXXXXXXXX-XXXXX (General project)
XK-XXXXXXXXXX-XXXXX (Client project)
XM-XXXXXXXXXX (Machine project)

Prefixed "0"s must be filled out.

The PSP element must be created in Opus Økonomi.

For operations postings, either field 24 Omkostningssted (cost center), field 30 PSP element or field 28/29 Netværk/Operation (network/operation) must be completed.

For balancing postings neither field 24 Omkostningssted (cost center), field 30 PSP element nor field 28/29 Netværk/Operation (network/operation) must be completed.

31 Partner Profitcenter (PART_PRCTR) (partner profit center)

The field is reserved for future use.

32 Referencenøgle 1 (REF_KEY_1) (reference key 1)

Here you can specify a reference.

Set of values: Alphanumeric, 12 positions

33 Referencenøgle 2 (REF_KEY_2) (reference key 2)

Here you can specify a reference.

Set of values: Alphanumeric, 12 positions

34 Afleverende systems linjenummer på bilaget (REF_KEY_3) (delivering system's line number on the document)

The field must be completed with the document's line number in the original system. The line number must be applied in order to secure the traceability between the originally registering system and Opus Økonomi.

Set of values: Numeric, 20 positions

Furthermore the following applies

- The field must contain data (a number)
- The content in the first posting line must be the digit 1
- The numbers must be ascending by one for each new posting line (1,2,3...) in one unbroken sequence.

35 Bilagsnummer til disposition (RES_DOC) (document number for disposal)

The field is reserved for future use.

36 Bilagslinje til disposition (RES_ITEM) (document line available)

The field is reserved for future use.

37 Betalingsreference (PAYMT_REF) (payment reference)

The field is reserved for future use.

38 Aktivitetsart (ACTTYPE) (activity type)

The field is reserved for future use.

39 Betalingsmodtagernummerkode (PAYEE_NO_CODE) (payee number code)

Here you can specify a Betalingsmodtagernummerkode (Payee number code).

Set of values: 01 = Freely selected number

- 02 = CPR number
- 03 = SE number (Company registration number)
- 04 = Giro number
- 05 = Telephone number
- 06 = PBS number
- 07 = PI number
- 08 = FI number
- 10 = Authority number
- 11 = CVR number (Central business register)
- 12 = P number

If one of the fields 39 Betalingsmodtagernummerkode (payee number code) and 40 Betalingsmodtagernummer (payee number) is completed, both fields must be completed.

40 Betalingsmodtagernummer (PAYEE_NR) (payee number)

Here you can specify payee number.

Set of values: Depending on the specified value in field 39 Betalingsmodtagernummerkode (payee number code)

If one of the fields 39 Betalingsmodtagernummerkode (payee number code) and 40 Betalingsmodtagernummer (payee number) is completed, both fields must be completed.

41 Ydelsesmodtagernummerkode (SERV_REC_NO_CODE) (service recipient number code)

Here you can specify a service recipient number code.

Set of values: 02 = CPR number

03 = SE number (Company registration number)

11 = CVR number (Central business register)

12 = P number

If one of the fields 41 Ydelsesmodtagernummerkode (service recipient number code) and 42 Ydelsesmodtagernummer (service recipient number) is completed, both fields must be completed.

42 Ydelsesmodtagernummer (SERV_REC_NO) (service recipient number)

Here you can specify the service recipient number.

Set of values: Depending on the specified value in field 41 Ydelsesmodtagernummerkode (service recipient number code)

If one of the fields 41 Ydelsesmodtagernummerkode (service recipient number code) and 42 Ydelsesmodtagernummer (service recipient number) is completed, both fields must be completed.

43 Oplysningspligtnummerkode (INFORM_DUTY_NO_C) (duty of disclosure number code)

Here you can specify a duty of disclosure number code.

Set of values: 02 = CPR number

03 = SE number (Company registration number)

11 = CVR number (Central business register)

12 = P number

If one of the fields 43 Oplysningspligtnummerkode (duty of disclosure number code), 44 Oplysningspligtnummer (duty of disclosure number) and 45 Oplysningspligtkode (duty of disclosure code) is completed, all three fields must be completed.

44 Oplysningspligtnummer (INFORM_DUTY_NO) (duty of disclosure number)

Here you can specify the duty of disclosure number.

Set of values: Depending on the specified value in field 43 Oplysningspligtnummerkode (duty of disclosure number code)

If one of the fields 43 Oplysningspligtnummerkode (duty of disclosure number code), 44 Oplysningspligtnummer (duty of disclosure number) and 45 Oplysningspligtkode (duty of disclosure code) is completed, all three fields must be completed.

45 Oplysningspligtkode (INFORM_DUTY_CODE) (duty of disclosure code)

Here you can specify a duty of disclosure code.

Set of values: H = Honorar og vederlag (fee and remuneration) – from which AMB must be calculated

U = Honorar og vederlag (fee and remuneration) – from which AMB must not be calculated

F = Befordringsgodtgørelse (travel reimbursement)

If one of the fields 43 Oplysningspligtnummerkode (duty of disclosure number code), 44 Oplysningspligtnummer (duty of disclosure number) and 45 Oplysningspligtkode (duty of disclosure code) is completed, all three fields must be completed.

46 Aftaleindholdsart/Påligningsår (MAIN_TRANSACTION) (agreement object type/assessment year)

Here you can specify an Agreement object type or an Assessment year

Set of values: Alphanumeric, 4 positions

47 Aftalekontotype/Betalingsart (SUB_TRANSACTION) (agreement account type/payment type)

Here you can specify an Agreement account type or a Payment type

Set of values: Alphanumeric, 3 positions (Agreement account type, only 2 positions KMD Opus Debitor)

48 Dataleverandørident (ZZCSYSIDN) (data supplier identification)

A Data supplier ID must be specified.

Set of values: Alphanumeric, 4 positions

Must have the same value as field 12 Bilagstoptekst (HEADER_TXT) (document header text).

49-50 Available fields

The fields are reserved for future use

51 Ydelsesperiode Fra (Benefit period From) (ZZYPER_FRA)

The field can be used for Periodization of expenses by filling out this field and the field 52 Ydelsesperiode Til (Benefit period To).

Notice: only customers with access to Periodization of expenses can use this field.

51 Ydelsesperiode Til (Benefit period To) (ZZYPER_TIL)

The field can be used for Periodization of expenses by filling out this field and the field 51 Ydelsesperiode Fra (Benefit period From).

Notice: only customers with access to Periodization of expenses can use this field.

52-57 Available fields

The fields are reserved for future use

58-61 File attachment

This is a table structure meaning that one document can have multiple attachments. All 4 fields must be filled out together in case of attachment. Repeat the structure for each attachment.

Field 58, 60 and 61 is mandatory in case of attachment, 59 is optional.

58 Filnavn (file name) (FILE_NAME)

Here you give the name of the file.

Set of values: Alfanumeric with unlimited positions.

59 Fillængde (file length) (FILE_LENGTH)

Here you give the size of the file in byte. If not filled out it is calculated by the system

Set of values: Numeric, 10 positions.

60 Filtype (file type) (FILE_TYPE)

Here you give the type of the file.

Eksempel: PDF, DOCX, XLSX etc.

Set of values: Alfanumeric 10 positions.

61 Fildata (File data) (FILE)

Here you place the content of the file.

Set of values: Rawdata, Unlimited positions (Raw string)

R01 Referencebilagsnummer fra modtaget bilag (RECIEV_DOC) (reference document number from received document)

The field is completed with the document number that the document has in the original system. The document number must be applied in order to secure the traceability between the originally registering system and Opus Økonomi.

Set of values: Alphanumeric, 16 positions

R02 Positionsnummer fra modtaget bilag (POSNR_ACC) (position number from received document)

The field is completed with the document's line number in the original system. The line number must be applied in order to secure the traceability between the originally registering system and Opus Økonomi.

Set of values: Numeric, 10 positions

R03 Meddelelsestype (MESSAGE_TYPE) (message type)

Set of values:

E = error

W = warning

I = info

A = abort

R04 Meddelelsesgruppe (ID) (message group)

Internal error pool – identifies the area in which the problem was created.

Set of values: Alphanumeric, 20 positions

R05 Meddelelsesnummer (NUMBER) (message number)

Internal error number – identifies the current problem.

Set of values: Numeric, 3 positions

R06 Meddelelsetekst (MESSAGE_TEXT) (message text)

Internal error text - describes the current problem.

Set of values: Alphanumeric, 220 positions

8.1.1 Important message numbers and texts

200: Statistik: DD.MM.YYYY HH:MM

Timestamp for upload of file in Opus Økonomi.

201: Antal modtagne bilag: xxxx

Number of documents in file.

202: Antal godkendte bilag: xxxx

Number of approved documents in file.

203: Antal afviste bilag: xxxx

Number of documents with errors in file. Only visible in case of errors.

204: Fil modtaget uden fejl

The file is correct and all documents approved. Only visible in case of no errors at all.

305: Firmakode xxxx bilagsnr. xxxxxxxxxxxx pr. xx.xx.xxxx modtaget uden fejl

The document is approved. This message number will be present for all approved documents in the file.

8.1.2 Example of file



PostingRequestExample.xml

8.1.3 Example of return file



PostingResponseExample.xml

8.2 How are errors handled?

8.2.1 When loading in KMD Opus Økonomi

Errors in file names will prevent the file from being received in KMD Opus Økonomi.

When PI updates the Import table, the following error will result in an error message being submitted to the municipality via KFS. One file is submitted including all messages relating to the file submitted.

- Error in loading the file
- Does document already exist in recipient table. Unique documents are defined by the year in Bogføringsdatoen (posting date) (PSTNG_DATE), document number (RECEIV_DOC) and data supplier ID (XREF1_HD)
- Check of all required fields in the interface

- The data supplier ID is not known in KMD Opus Økonomi
- Debit / credit do not balance per document
- Debit and credit do not have the same total from sender per document
- The file does not contain correct number of posting lines in relation to information from sender
- In fields restricted by specific field lengths, this has not been complied with
- Client number in file does not correspond with client number in KMD Opus Økonomi
- Posting line with DKK 0,- in amount
- PSP element does not comply with format
- Amount field does not comply with format

The sending system must be enabled for submission of files which have been rejected due to the above errors.

8.2.2 Validation errors

When the Import table posts entries in KMD Opus Økonomi, and errors occur during import of specific documents in KMD Opus Økonomi, the document will be recorded in SM35 from where it can be posted correctly. It is the responsibility of the customer that traceability still exists after the SM35 changes.

9 Security

The data supplier ID must be created in KMD Opus Økonomi in order to ensure that only transactions from known data suppliers are accepted.

10 Registration of application

Registration of application of the interface is performed by an agreement on application of the interface per Data supplier ID.