



# Direct debit

Integration Guide

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## Document history

Date	Name	Change
26.04.2018	Peter Posse	Connection b4payment added
01.03.2018	Peter Posse	CustomField[n] moved to layout parameters
19.09.2017	Peter Posse	Parameter Capture added as general
20.07.2017	Peter Posse	Credit without reference for Interacard added
13.02.2017	Peter Posse	BIC now optional, PPRO TransactionID added
04.10.2016	Peter Posse	First version

# ABOUT DIRECT DEBIT

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## General information about direct debit

Paygate can combine electronic direct debits (ELV) in Germany with a block list check which offers high security at low cost: Paygate checks if the Customer's account number is black listed by major retailers. Additionally you can prevent fraud by setting sales limits per day, week or month which an account connection may not exceed.

Since there are substantially more accounts than credit cards, many Internet purchases are paid by direct debit. The direct debit process is unsafe for merchants without a block list check: in the case of SEPA direct debits there is no authorisation because it is not possible to carry out a credit rating on the account of the customer. Therefore there are frequently returned debit notes in the case of ELV due to lack of funds in accounts.

The block list check links the benefits of the direct debit with the security of a block list check and individual sales limits.

## Transaction procedure of a direct debit payment on the Internet

In order to pay with a direct debit, the customer selects the Direct debit payment method at the Internet checkout and enters their account details. This Internet page is TLS encrypted to protect the account data during the transmission against tapping and manipulation. After the input Paygate checks if the account is blocked and if the sales limit for this account has been reached. After successful verification, Paygate draws direct debits from the customer's bank.

## SEPA direct debit

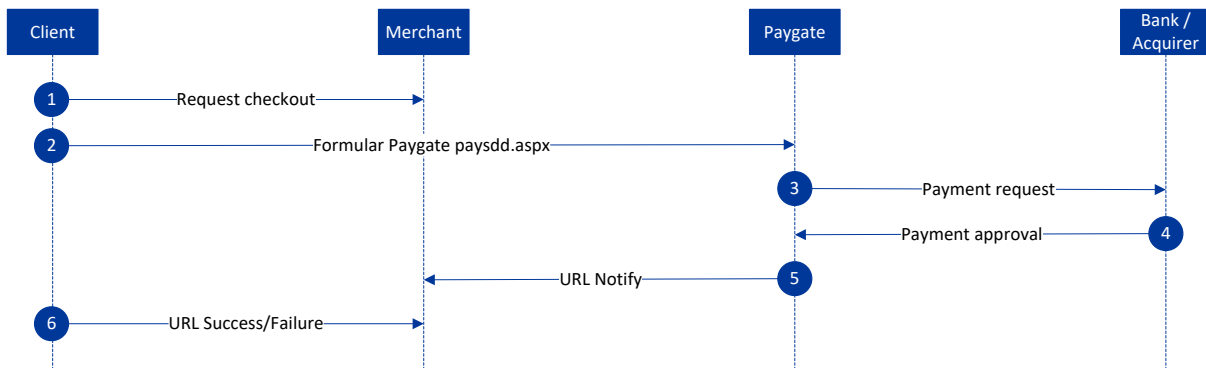
With SEPA uniform rules for cashless payment transactions are effective since 1st February 2014. Therefore IBAN (International Bank Account Number) and BIC (Bank Identifier Code) are used as account data. With Paygate direct debits can be managed compliant to SEPA.



The Paygate enables you to handle the direct debit payment method popular with customers –and is fully compatible with SEPA. Optionally with black list check and payment guarantee.

# PAYGATE INTERFACE: VIA FORM

## Chart of process flow via form interface



Process flow of direct debit payment via form interface

## Definitions

Data formats:

Format	Description
a	alphabetical
as	alphabetical with special characters
n	numeric
an	alphanumeric
ans	alphanumeric with special characters
ns	numeric with special characters
bool	boolean expression (true or false)
3	fixed length with 3 digits/characters
..3	variable length with maximum 3 digits/characters
enum	enumeration of allowed values
dtm	ISODateTime (YYYY-MM-DDDhh:mm:ss)

Abbreviations:

Abbreviation	Description
CND	condition
M	mandatory
O	optional
C	conditional

**Notice:** Please note that the names of parameters can be returned in upper or lower case.

## Corporate PayPage

Paygate forms are framed as standard in white and grey. Merchants can customise the layout of the forms with the help of layout parameters. The simplest way to change the layout is to set the parameters for the background colour (BGColor), background image (BGImage) and the font (FFace). You can use XSL-templates to change the layout further:

In the case of direct debit payments you can change the parameter Template to create an individual layout for your PaySDD-form which exactly matches your shop layout. To this end your graphic designer can design an HTML-template in the shop-design based on XSLT (Extensible Stylesheet Language Transformation). Computop Support copies this XSLT-template to our Paygate Server. If you enter the name of your XSLT-file in the Template parameter, the Paygate form will appear in your layout.

For general information about XSLT see [www.w3.org](http://www.w3.org).

The subsequent conventions apply for the use of the Corporate Pay Page with XSLT:

### File names

A XSL file designed by you defines your individual layout. The associated XML file contains the texts that are to be displayed on the form. Hence, multilingualism is easy. Always use your MerchantID in the names of the files.

XSL template: **MerchantID\_PaySDD.xsl**  
XML text file: **MerchantID\_PaySDD.xml**  
Sub-folder for images: **Templates/imagesMerchantID**

In order not to receive safety notices, please ensure that external image sources are retrieved via SSL.

In order to call the individual layout, use the 'template' parameter with your MerchantID and attach it unencrypted to the call of the Computop payment page, for example: **<https://www.computop-paygate.com/paysdd.aspx?MerchantID=IhreMID&Len=123&Data=ABCFED...ACEF&template=IhreMerchantID>**

### Field names of the form

When implementing the text field for the IBAN, use the following values for the parameters 'name' and 'id':

Account holder: **„AccOwner“**  
IBAN: **„IBAN“**  
BIC: **„BIC“**  
Bank (optional): **„AccBank“**

A text field for the input of the IBAN is then implemented as follows:

```
<input type="text" name="IBAN" id="IBAN" value=""></input>
```

### Hidden Fields

The following hidden fields must be implemented so that the values can be passed on when sending the form:

MerchantID: „MerchantID“  
 Request length: „Len“  
 Request data: „Data“  
 Template: „Template“  
 Language: „Language“

### Language selection

The language selection in form PaySDD.aspx is automatically based on the parameter **Language**. Other language areas are filtered out. If you wish to access the field of another language area e.g. with JavaScript, you can do so via the following path: **template/language/@name**.

### XML structure

The 'language' parameter controls which section of the XML text file is read out. German 'de' is always used as standard.

The XML file should have the following basic structure:

```
<?xml version="1.0" encoding="UTF-16"?>
  </languages>
    <language name="de">
    </language>
    <language name="en">
    </language>
  </languages>
```

With **<xsl:variablename="" select="template/language/@name"/>** you can directly address an XML language section from the XSL file.

For an overview of which parameters are rendered by the PaySDD, please examine the following structure (XSL file is rendered against the following XML string):

```
Dim strXML As String = "<?xml version='1.0' encoding='UTF-16'?>" & _
  "<template pay='elv'" & _
    "<merchantID>..."</merchantID>" & _
    "<PayID>..."</PayID>" & _
    "<len>..."</len>" & _
    "<data>..."</data>" & _
    "<language>..."</language>" & _
    "<Border>..."</Border>" & _
    "<Background>..."</Background>" & _
    "<BGImage>..."</BGImage>" & _
    "<BGColor>..."</BGColor>" & _
    "<FFace>..."</FFace>" & _
    "<FSize>..."</FSize>" & _
    "<FColor>..."</FColor>" & _
    "<twidth>..."</twidth>" & _
    "<theight>..."</theight>" & _
    strCustomFieldsXML & _
    "<URLBack>..."</URLBack>" & _
    "<AccOwner>..."</AccOwner>" & _
    "<IBAN>..."</IBAN>" & _
    "<PBAN>..."</PBAN>" & _
    "<BIC>..."</BIC>" & _
    "<Bank>..."</Bank>" & _
    "<template>..."</template>" & _
  "</template>"
```

Since merchants use its own layout for the form, you do not require the layout parameter. However, it is possible after prior consultation with Computop to use the parameters for the transfer, e.g. the SessionID.

## JavaScript

If JavaScript functions are desired, you must implement them in your template.

```
<script id="clientEventHandlersJS" language="JavaScript">
if (document.SDDForm.IBAN.value.length > 34)
{
alert („<xsl:value-of select="/template/language/strJavaScript1"/>");
document.SDDForm.IBAN.focus();
}
...
</script>
```

Please do not use any external link to your JavaScript.

## Link to Computop logo

Computop is obliged to provide the account holder information on which server he is on. Please implement a Computop logo like it is implemented on the standard form or display a small imprint link. You can download the Computop logo from [www.computop.de/downloads](http://www.computop.de/downloads).

Both items of information must refer to the Computop page **impressum.aspx**. This expects the 'Data' parameter, which is appended to the URL as in the following example.

```
impressum.aspx?data=<xsl:value-of select="/template/language/@name"/>|<xsl:value-of select="template/merchantID"/>
```

## Programming and testing the form

First design a HTML page with the layout for your payment page and initially save it for testing with the file extension .htm or .html. Open this file in the browser. Next, save this as an xsl file.

```
<?xml version='1.0' encoding="UTF-16"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:output method="html" encoding="UTF-8"/>

<xsl:template match="/">
<html>
  <head>
    <title>PaySDD Template</title>
    <script>Your JavaScript</script>
  </head>
  <body>
    <form action="https://www.computop-paygate.de/payinterim.aspx"
methode="POST">
    Your form with hidden fields and xsl-tags
    </form>
  </body>
</html>
</xsl:template>
```

In order to read the texts from the XML file, first of all create your tags in the desired language sections with the texts:

```
<language name="de">
  <strIBAN>IBAN</strIBAN>
</language>
```

Subsequently, replace the text in the HTML by a reference to the respective section in the XML file:



```
<xsl:value-of select="/template/language/strIBAN"/>
```

In order to test your template, we request that you integrate the following lines in your XML file **only for the test** (before sending it to Computop) and afterwards to call up the XML file in a browser. If no error is displayed you can send your template and the image folder in a Zip file to Computop's Support with a request to check and install it.

```
<?xml version="1.0" encoding="UTF-16"?>
<?xml-stylesheet type="text/xsl" href="templatename.xsl"?>
<template>
  <languages>please omit for your layout tests
    <language name="de">
      </language>
    <language name="en">
      </language>
  </languages>please omit for your layout tests
</template>
```

In order to get an overview of the versions, please include the date and version number in the name of your Zip file.

## General parameters of the interface

The interface of the Paygate form is consistently `paysdd.aspx` for all connections. In order to make a direct debit payment via Paygate form, go to the following URL:

<https://www.computop-paygate.com/paysdd.aspx>

This section explains the parameters which are the same for each connection. These values are always required, along with the special parameters explained in the following sections for each individual connection. The second table explains all response parameters which are also the same for all direct debit connections.

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	Merchant ID, assigned by Computop
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency, three digits DIN / ISO 4217 Only EUR is permissible.
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>OrderDesc</b>	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
<b>URLSuccess</b>	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443 This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter <b>UserData</b> .
<b>URLFailure</b>	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443 This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter <b>UserData</b> .
<b>Response</b>	a7	O	Status response sent by Paygate to <b>URLSuccess</b> and <b>URLFailure</b> , should be encrypted. For this purpose, transmit <b>Response=encrypt</b> parameter.
<b>URLNotify</b>	ans..256	M	Complete URL which Paygate calls up in order to notify the shop about the payment result. The URL may be called up only via port 443 It may not contain parameters: Use the <b>UserData</b> parameter instead.
<b>UserData</b>	ans..256	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
<b>Capture</b>	ans..6	O	Determines the type and time of capture. <b>AUTO</b> : capturing immediately after authorisation (default value). <b>MANUAL</b> : capturing made by the merchant. <b>&lt;Number&gt;</b> : Delay in hours until the capture (whole number; 1 to 696).
<b>ReqID</b>	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
<b>expirationTime</b>	ans..19	O	timestamp for the end time of the transaction processing, specified in UTC. Format: YYYY-MM-ddTHH:mm:ss

<b>Plain</b>	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
<b>Custom</b>	ans..1024	O	The merchant can submit several values separated by   which are returned un-encrypted and separated by &. Custom=session=123 id=456 will change in the answer to Session=123&id=456

General parameters for direct debit payments via form

To adapt the layout of the SSL-page to your shop you can use the following unencrypted parameters to configure colours, fonts and images:

Parameter	Format	CND	Description
<b>AccBank</b>	ans..20	O	for the pre-completion of the direct debit form: Name of the account holder's bank
<b>AccOwner</b>	ans..50	O	for the pre-completion of the direct debit form: Name of account holder
<b>IBAN</b>	ans..34	M	for the pre-completion of the SEPA form: International Bank Account Number
<b>BIC</b>	ans..11	O	for the pre-completion of the SEPA form: Bank Identifier Code
<b>Template</b>	ans..20	M	Name of XSLT-file with your own layout for the pay form. If you want to use the redesigned and downwards compatible Computop template, please transfer the template name "ct_compatible". If you want to use the responsive Computop template for mobile devices, please transfer the template name "ct_responsive".
<b>Background</b>	ans..256	M	Background ambiance of form: URL for a background image - HTML-colour value for background colour as HEX value or - HTML-colour name
<b>BGColor</b>	ans..7	M	Form background colour: - HTML-colour value for background colour as HEX value or - HTML-colour name
<b>BGImage</b>	ans..256	M	Form background image: URL for a background image Please note that this value supersedes "BGColor".
<b>FColor</b>	ans..6	M	Text colour: - HTML-colour value as HEX value or - HTML-colour name
<b>FFace</b>	a..10	M	HTML-name for the font
<b>FSize</b>	n2	M	Number for font size
<b>Language</b>	a2 (enum)	M	Language code: <de> German, <al> Albanian, <at> Austrian, <cz/cs> Czech, <dk> Danish, <en> English, <fi> Finnish, <fr> French, <gr> Greek, <hu> Hungarian, <it> Italian, <jp> Japanese, <nl> Dutch, <no> Norwegian, <pl> Polish, <pt> Portuguese, <ro> Romanian, <ru> Russian, <sp> Spanish, <se> Swedish, <sk> Slovakian, <sl> Slovenian, <tr> Turkey, <zh> Simplified Chinese. No details means the language is German.
<b>URLBack</b>	ans..256	M	URL for "Cancel" button
<b>tWidth</b>	ans..4	M	Width of table for input of the direct debit data as percent- (50%) or pixel values (320).
<b>tHeight</b>	ans..4	M	Height of table for input of the direct debit data as percent- (70%) or pixel values (480).
<b>CustomField[n]</b>	ans..50	O	Field that can be used individually by the merchant. Presently 14 fields from CustomField1 to CustomField14 are supported.

Layout parameters for Paygate forms for direct debit payments

The following table describes the result parameters that Paygate transmits to your **URLNotify**, **URLSuccess** or **URLFailure**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..50	M	OK or PENDING (URLSuccess) as well as FAILED (URLFailure)
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>UserData</b>	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
<b>IBAN</b>	ans..34	OC	only without PBAN configuration: International Bank Account Number
<b>BIC</b>	ans..11	O	Bank Identifier Code
<b>AccOwner</b>	ans..50	O	Name of account holder
<b>AccBank</b>	ans..20	O	Name of the financial institute of the account holder
<b>Plain</b>	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
<b>Custom</b>	ans..1024	O	The merchant can submit several values separated by   which are returned unencrypted and separated by &. Custom=session=123 id=456 will change in the answer to Session=123&id=456
<b>CustomField[n]</b>	ans..50	O	Field that can be used individually by the merchant. Presently 14 fields from CustomField1 to CustomField14 are supported.

General results parameters for URLNotify, URLSuccess and URLFailure

## Direct connection

In addition to the general parameters described above for the direct debit connection the following parameters need to be transmitted via form. The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>OrderDesc2</b>	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
<b>Capture</b>	ans..6	O	Determines the type and time of capture. <b>AUTO</b> : capturing immediately after authorisation (default value). <b>MANUAL</b> : capturing made by the merchant. <b>&lt;Number&gt;</b> : Delay in hours until the capture (whole number; 1 to 696).
<b>MandateID</b>	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
<b>DtOfSgntr</b>	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)

<b>MdtSeqType</b>	a4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
<b>PBAN</b>	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Additional parameters for the direct debit connection via Paygate form

The following table gives the result parameters which the Paygate transmits especially for the direct connection to your **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:

Parameter	Format	CND	Description
<b>MandateID</b>	ans..35	O	for SEPA: SEPA mandate number
<b>DtOfSgnt</b>	ans..10	O	for SEPA: Registration date of granting mandate in the format DD.MM.YYYY
<b>MdtSeqType</b>	a4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
<b>PBAN</b>	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of direct connection

## b4payment

Besides general parameters for direct debit connection via b4payment additionally the following parameters need to be transmitted via form.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>RefNr</b>	ns..30	O	Merchant's unique reference number
<b>AccBank</b>	ans..20	O	Name of the account holder's bank for the pre-completion of the form
<b>AccOwner</b>	ans..50	O	Name of account holder for the pre-completion of the form
<b>IBAN</b>	ans..34	O	International Bank Account Number for the pre-completion of the form
<b>BIC</b>	ans..11	O	Bank Identifier Code for the pre-completion of the form
<b>MandateID</b>	ans..35	C	<u>For SEPA:</u> SEPA mandate number (compulsory in the case of SEPA) It should be unique and it is not case-sensitive. Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket <u>For BACS:</u> BACS mandate reference (optional) If a previously generated mandate reference for this customer is transferred this one will be used and a new mandate is not created.
<b>DtOfSgnt</b>	ans..10	C	<u>For SEPA/BACS:</u> Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
<b>Template</b>	ans..20	M	Name of XSLT-file with your own layout for the pay form. If you want to use the redesigned and downwards compatible Computop template, please transfer the

			template name "ct_compatible". If you want to use the responsive Computop template for mobile devices, please transfer the template name "ct_responsive". If a BACS payment including mandate creation for the customer should be executed, the template name „b4pBACS_responsive“ can be used.
--	--	--	--

Additional parameters for the direct debit connection b4payment via Paygate form

The following table gives the result parameters which the Paygate transmits especially for the b4payment connection to your **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:

Parameter	Format	CND	Description
RefNr	ns..30	O	Merchant's unique reference number
MandateID	ans..35	O	<u>For BACS:</u> BACS mandate reference If this parameter is not submitted within request the process of mandate creating will be initiated at b4payment. Within the response the created MandateID and DtOfSgnt are returned. These parameters can be used for follow-up transactions.
DtOfSgnt	ans..10	O	For BACS: Date of issuing the mandate in the format DD.MM.YYYY (see also MandateID)

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of b4payment connection

## EVO Payments

Besides general parameters for direct debit connection via EVO Payments additionally the following parameters need to be transmitted via form.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
EDDMethod	a3	O	Direct debit in Germany:=ELV, Netherlands=ENL, Austria=EEV
OrderDesc2	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
MandateID	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
DtOfSgnt	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
MdtSeqType	a4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
SubSeqType	a4	O	for SEPA: indicates type of (following) direct debit (FRST, RCUR, OOFF, FNAL permissible)
DebitDelay	n..3	M	for SEPA: Number of bank working days >0 which has to be added for the execution date of direct debit
CreditDelay	n..3	O	for SEPA: Number of bank working days >0 which has to be added for the execution date of a credit

Additional parameters for the direct debit connection EVO Payments via Paygate form

The following table gives the result parameters which the Paygate transmits especially for the EVO Payments connection to your **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:

Parameter	Format	CND	Description
<b>MandateID</b>	ans..35	O	for SEPA: SEPA mandate number
<b>DtOfSgnt</b>	ans..10	O	for SEPA: Registration date of granting mandate in the format DD.MM.YYYY
<b>MdtSeqType</b>	a4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
<b>PBAN</b>	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of EVO Payments connection

## InterCard

Besides general parameters for direct debit connection via InterCard additionally the following parameters need to be transmitted via form.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>RefNr</b>	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
<b>MandateID</b>	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
<b>DtOfSgnt</b>	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
<b>PBAN</b>	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
<b>CustomerID</b>	ans..30	M	Customer number at the merchant
<b>DateOfRegistration</b>	dtm8	O	Customer since in the format YYYYMMDD
<b>CustomerClassification</b>	ans..20	O	(business / private)
<b>eMail</b>	ans..80	O	E-mail address
<b>DateOfBirth</b>	dtm8	O	Date of birth in the format YYYYMMDD
<b>bdSalutation</b>	ans...4	O	Salutation of the invoicing address
<b>bdFirstName</b>	ans..30	M	First name of the invoicing address
<b>bdLastName</b>	ans..30	M	Last name of the invoicing address
<b>bdStreet</b>	a..50	M	Street name of the invoicing address

<b>bdStreetNr</b>	ans..5	M	Street number of the invoicing address
<b>bdCountryCode</b>	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166
<b>bdZip</b>	n..5	M	Postcode of the invoicing address
<b>bdCity</b>	a..32	M	Town or city of the invoicing address
<b>bdPhone</b>	ans..15	O	Phone number in the invoicing address
<b>bdFax</b>	ans..20	O	Fax number of the invoicing address
<b>bdMaidenName</b>	ans..30	O	Maiden name of the invoicing address
<b>UseBillingData</b>	a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
<b>sdSalutation</b>	ans...4	O	Salutation in the delivery address
<b>sdFirstName</b>	ans..30	O	First name in the delivery address
<b>sdLastName</b>	ans..30	O	Last name in the delivery address
<b>sdStreet</b>	a..50	O	Street in the delivery address
<b>sdStreetNr</b>	ans..5	O	Street number of the delivery address
<b>sdCountryCode</b>	a2	O	Country code for the delivery address, 2 characters according to ISO 3166
<b>sdZip</b>	n..5	O	Postcode in the delivery address
<b>sdCity</b>	a..50	O	Town/city in the delivery address
<b>Regular-CustomerIndicator</b>	a..5	O	Regular customer (true / false)
<b>ShoppingBasket</b>	ans..1024	O	Customer order information (prices each in the smallest currency unit): - invoice number / order number - total net price, numerical - total gross price - net shipping costs - gross shipping costs - net discount - gross discount <;> separates the fields in the shopping basket Example: InvoiceNumber;TotalNetPrice;TotalGrossPrice;Net-ShippingCosts;GrossShippingCosts;NetDiscount;GrossDiscount
<b>ArticleList</b>	ans..2048	C	Mandatory if shopping basket is transmitted: Shopping basket of the customer: - article description (ans—50) - quantity - net article price - gross article price Note on the structure of the article list: <;> separates fields in the article data set <+> separates the article data sets Each article is transferred as a complete article data set: ArticleDescription;Quantity; ArticleName; NetArticlePrice;GrossArticlePrice + ArticleDescription;Quantity;ArticleName;NetArticlePrice;GrossArticlePrice

Additional parameters for the direct debit connection InterCard via Paygate form

The following table gives the result parameters which the Paygate transmits especially for the InterCard connection to your **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:



Parameter	Format	CND	Description
RefNr	ns..30	O	Merchant's unique reference number
CodeExt	n..10	O	InterCard error code, only if agreed with Computop Support.
ErrorText	ans..128	C	InterCard error text. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
MandateID	ans..35	O	for SEPA: SEPA mandate number
DtOfSgntr	ans..10	O	for SEPA: Registration date of granting mandate in the format DD.MM.YYYY
PBAN	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of InterCard connection

## PPRO

Besides general parameters for direct debit connection via PPRO additionally the following parameters need to be transmitted via form.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
RefNr	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
SellingPoint	ans..50	O	Selling point
Service	ans..50	O	products or service sold
Channel	ans..64	O	configuration channel of the PPRO contract (account and ContractID are stored in the system). If it exists, it may overwrite channels stored in the system.
Email	ans..100	M	E-Mail address of account holder
CustomerID	ans..30	O	Customer number
AddrCountryCode	a2	M	Two characters country code according to ISO 3166

Additional parameters for the direct debit connection PPRO via Paygate form

The following table gives the result parameters which the Paygate transmits especially for the PPRO connection to your **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent Blowfish encrypted to your system:

Parameter	Format	CND	Description
RefNr	ns..30	O	Merchant's unique reference number
PaymentPurpose	ans..26	O	Purpose of payment
PaymentGuarantee	a..12	C	NONE= no payment guarantee, VALIDATED= customer account valid, but no payment guarantee, FULL= payment guarantee Notice: This parameter is only returned if the Status=OK.

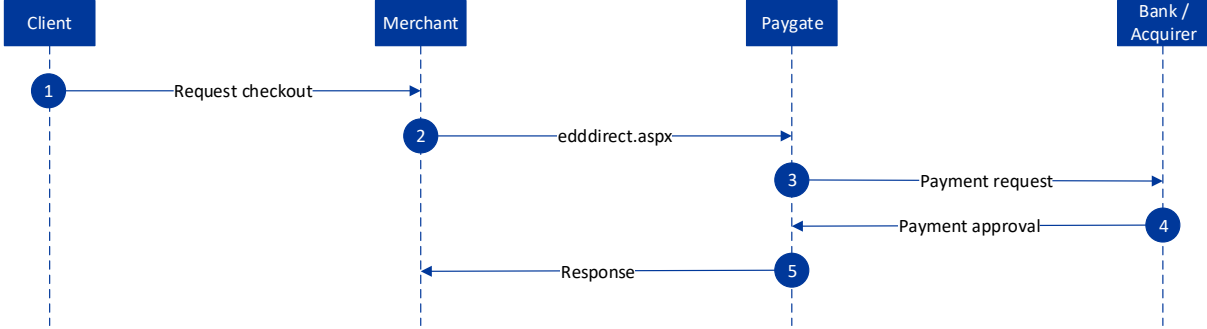
<b>ErrorText</b>	ans..128	C	Detailed PPRO error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>TransactionID</b>	an..20	O	Unique transaction number with PPRO

Additional result parameters for URLNotify, URLSuccess and URLFailure in case of PPRO connection

# PAYGATE INTERFACE: VIA SERVER-TO-SERVER

## Chart of process flow via Server-to-Server

For the server-to-server payment processes please refer to the programming basics manual.



Process flow of a direct debit payment via server-to-server interface

## Call of interface: general parameters

The interface for direct debit payments is edddirect.aspx for all connections. To carry out an electronic direct debit via a Server-to-Server connection, call the following URL:

<https://www.computop-paygate.com/edddirect.aspx>

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	Merchant ID, assigned by Computop
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency, three digits DIN / ISO 4217 Only EUR is permissible.
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>UserData</b>	ans..256	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
<b>ReqID</b>	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
<b>AccBank</b>	ans..20	M	Bank name
<b>AccOwner</b>	a..50	M	Account holder
<b>Capture</b>	ans..6	O	Determines the type and time of capture. <b>AUTO</b> : capturing immediately after authorisation (default value). <b>MANUAL</b> : capturing made by the merchant. <b>&lt;Number&gt;</b> : Delay in hours until the capture (whole number; 1 to 696).
<b>OrderDesc</b>	ans..384	M	Description of purchased goods, unit prices etc. The first 27 characters appear on the customer-account statement. You can view the full data in Computop Analytics.
<b>IBAN</b>	ans..34	M	International Bank Account Number
<b>BIC</b>	ans..11	O	Bank Identifier Code

General parameters for direct debit payments via socket connection

The following table gives the parameters with which Paygate responds:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..50	M	OK, PENDING or FAILED



<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>UserData</b>	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
<b>IBAN</b>	ans..34	O	International Bank Account Number
<b>BIC</b>	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
<b>AccOwner</b>	ans..50	OC	Only in the case of PBAN creation: Account holder
<b>AccBank</b>	ans..20	OC	Only in the case of PBAN creation: Name of the bank
<b>MandateID</b>	ans..35	O	SEPA mandate number
<b>DtOfSgntr</b>	ans..10	O	Registration date of granting mandate in the format DD.MM.YYYY
<b>PBAN</b>	ans..27	O	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

General response parameters for direct debit payments via socket connection

## Direct connection

Besides the general parameters described above for the direct debit connection, the following parameters are to be transmitted via server-to-server connection.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>OrderDesc2</b>	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.
<b>MandateID</b>	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
<b>DtOfSgntr</b>	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
<b>MdtSeqType</b>	a4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
<b>PBAN</b>	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
<b>Additional parameters in case of activated DEVICERECOGNITION</b>			
<b>DeviceID</b>	ans..50	O	Unique Device-ID
<b>DRConfidence</b>	n..3	O	Allocation quote 0-100 (0=no allocation, 100=absolutely safe allocation)
<b>DRNewDevice</b>	ans..5	O	True / false
<b>DRA-nonProxyUsed</b>	ans..5	O	True / false
<b>DRProxyUsed</b>	ans..5	O	True / false
<b>DRCountryCode</b>	a2	O	Country code, 2 characters according to ISO 3166, retrieved from geolocation data, e.g. DE

<b>DRCity</b>	ans..50	O	City, retrieved from geolocation data, e.g. Frankfurt
<b>DRLatitude</b>	ans..50	O	Geographic latitude, retrieved from geolocation data, e.g. 13.754
<b>DRLongitude</b>	ans..50	O	Geographic longitude, retrieved from geolocation data, e.g. 100.5014
<b>DRFS</b>	n..3	O	Fraud score 0-100 (0=low fraud probability, 100=high fraud probability)
<b>DRFSRulematch</b>	ans..1024	O	Rules for allocation to fraud score
<b>DRBrowserLanguages</b>	ans..255	O	List of browser languages
<b>DRIsMobileDevice</b>	ans..5	O	True / false
<b>Fraud</b>	ans..50	O	e.g. Fraud, Suspicion, NoFraud

Additional parameters for direct debit payments via socket connection for the direct connection

The following table gives the parameters with which Paygate responds:

Parameter	Format	CND	Description
<b>MdtSeqType</b>	a4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)

Additional response parameters for direct debit payments via socket connection for the direct connection

## b4payment

Besides the general parameters described above for the connection b4payment to direct debit, the following parameters are to be transmitted via server-to-server connection.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>RefNr</b>	ns..30	O	Merchant's unique reference number
<b>FirstName</b>	ans..70	C	First name of account holder [Condition: either AccOwner or First-Name + Last-name must exist]
<b>LastName</b>	ans..70	C	Last name of account holder [Condition: either AccOwner or First-Name + Last-name must exist]
<b>BankAccount</b>	n8	C	BACS account number [Condition: either IBAN or BankAccount + BankCode must exist]
<b>BankCode</b>	n6	C	BACS sort code [Condition: either IBAN or BankAccount + BankCode must exist]
<b>OrderID</b>	ans..1024	O	Unique ID to identify the order. If not transferred, the Computop PayID is set as OrderID.
<b>MandateID</b>	ans..35	C	<u>For SEPA:</u> SEPA mandate number (compulsory in the case of SEPA) It should be unique and it is not case-sensitive. Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket  <u>For BACS:</u> BACS mandate reference (optional for BACS) If this parameter is not submitted, the process of mandate creating will be initiated at b4payment. Within the response the created MandateID and DtOfSgnt is returned. These parameters can be used for follow-up transactions.

<b>DtOfSgnt</b>	ans..10	C	For SEPA/BACS: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
<b>MdtSeqType</b>	a4	O	Indicates whether the direct debit is a one-off or recurring direct debit. Permissible values: OOFF, RCUR. Standard value: OOFF (single direct debit)
<b>Parameters for mandate creation process (CND in that case, no MandateID is transferred)</b>			
<b>Salutation</b>	ans..20	O	Salutation of account holder
<b>CompanyName</b>	ans..70	O	Name of company
<b>AddrStreet</b>	ans..70	M	Street within address of account holder
<b>AddrStreet2</b>	ans..70	O	Extension – Street within address of account holder
<b>AddrStreet3</b>	ans..70	O	Extension – Street within address of account holder
<b>AddrZip</b>	ans..15	M	Postcode within address of account holder
<b>AddrCity</b>	ans..70	M	City within address of account holder
<b>AddrCountryCode</b>	a2	O	Country code in the card holder's address according to ISO-3166-1, alphanumeric 2-digits
<b>Email</b>	ans..70	M	E-Mail address of account holder

Additional parameters for direct debit payments via socket connection for the connection b4payment

The following table gives the parameters with which Paygate responds:

Parameter	Format	CND	Description
<b>CodeExt</b>	n3	O	Error code from b4payment. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>ErrorText</b>	ans..128	O	Error text from b4payment. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>MandateID</b>	ans..35	O	<u>For BACS</u> : BACS mandate reference If this parameter is not submitted within request the process of mandate creating will be initiated at b4payment. Within the response the created MandateID and DtOfSgnt are returned. These parameters can be used for follow-up transactions.
<b>DtOfSgnt</b>	ans..10	O	<u>For BACS</u> : Date of issuing the mandate in the format DD.MM.YYYY (see also MandateID)
<b>PBAN</b>	ans..27	O	<u>For SEPA</u> : PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number Use is possible only in agreement with Computop support.

Additional response parameters for direct debit payments via socket connection for the connection b4payment

## EVO Payments

Besides the general parameters described above for the connection EVO Payments to direct debit, the following parameters are to be transmitted via server-to-server connection.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>EDDMethod</b>	a3	O	Direct debit in Germany:=ELV, Netherlands=ENL, Austria=EEV
<b>OrderDesc2</b>	ans..384	M	2. Goods description which appears on the account extract (27 characters). You can view the full data in Computop Analytics.



<b>MandateID</b>	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
<b>DtOfSgntr</b>	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
<b>MdtSeqType</b>	a4	O	for SEPA: Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)
<b>PBAN</b>	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
<b>SubSqType</b>	a4	O	for SEPA: indicates type of (following) direct debit (FRST, RCUR, OOFF, FNAL permissible)
<b>DebitDelay</b>	n..3	M	for SEPA: Number of bank working days >0 which has to be added for the execution date of direct debit
<b>CreditDelay</b>	n..3	O	for SEPA: Number of bank working days >0 which has to be added for the execution date of a credit

Additional parameters for direct debit payments via socket connection for the connection EVO Payments

The following table gives the parameters with which Paygate responds:

Parameter	Format	CND	Description
<b>MdtSeqType</b>	a4	O	Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL

Additional response parameters for direct debit payments via socket connection for the connection EVO Payments

## InterCard

Besides the general parameters described above for the connection InterCard to direct debit, the following parameters are to be transmitted via server-to-server connection.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>RefNr</b>	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
<b>MandateID</b>	ans..35	C	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
<b>DtOfSgntr</b>	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
<b>PBAN</b>	ans..27	O	for SEPA: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
<b>CustomerID</b>	ans..30	M	Customer number at the merchant
<b>DateOfRegistration</b>	dtm8	O	Customer since in the format YYYYMMDD



<b>CustomerClassification</b>	ans..20	O	(business / private)
<b>eMail</b>	ans..80	O	E-mail address
<b>DateOfBirth</b>	dtm8	O	Date of birth in the format YYYYMMDD
<b>bdSalutation</b>	ans...4	O	Salutation of the invoicing address
<b>bdFirstName</b>	ans..30	M	First name of the invoicing address
<b>bdLastName</b>	ans..30	M	Last name of the invoicing address
<b>bdStreet</b>	a..50	M	Street name of the invoicing address
<b>bdStreetNr</b>	ans..5	M	Street number of the invoicing address
<b>bdCountryCode</b>	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166
<b>bdZip</b>	n..5	M	Postcode of the invoicing address
<b>bdCity</b>	a..32	M	Town or city of the invoicing address
<b>bdPhone</b>	ans..15	O	Phone number in the invoicing address
<b>bdFax</b>	ans..20	O	Fax number of the invoicing address
<b>bdMaidenName</b>	ans..30	O	Maiden name of the invoicing address
<b>UseBillingData</b>	a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
<b>sdSalutation</b>	ans...4	O	Salutation in the delivery address
<b>sdFirstName</b>	ans..30	O	First name in the delivery address
<b>sdLastName</b>	ans..30	O	Last name in the delivery address
<b>sdStreet</b>	a..50	O	Street in the delivery address
<b>sdStreetNr</b>	ans..5	O	Street number of the delivery address
<b>sdCountryCode</b>	a2	O	Country code for the delivery address, 2 characters according to ISO 3166
<b>sdZip</b>	n..5	O	Postcode in the delivery address
<b>sdCity</b>	a..50	O	Town/city in the delivery address
<b>Regular-CustomerIndicator</b>	a..5	O	Regular customer (true / false)
<b>ShoppingBasket</b>	ans..1024	O	Customer order information (prices each in the smallest currency unit): - invoice number / order number - total price net, numerical - total price gross - shipping costs net - shipping costs gross - rebate net - rebate gross <;> separates the fields in the shopping basket Example: InvoiceNumber;TotalNetPrice;TotalGrossPrice;Net-ShippingCosts;GrossShippingCosts;NetDiscount;GrossDiscount
<b>ArticleList</b>	ans..2048	C	Mandatory if shopping basket is transmitted: Shopping basket of the customer: - article description (ans..50) - quantity

			<ul style="list-style-type: none"> <li>- article price net</li> <li>- article price gross</li> </ul> <p>Note on the structure of the article list:</p> <p>&lt;&gt; separates fields in the article data set &lt;+&gt; separates the article data sets</p> <p>Each article is transferred as a complete article data set:</p> <p>ArticleDescription;Quantity; ArticleName; NetArticlePrice;GrossArticlePrice + ArticleDescription;Quantity;ArticleName;NetArticlePrice;GrossArticlePrice</p>
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Additional parameters for direct debit payments via socket connection for the connection InterCard

The following table gives the parameters with which Paygate responds:

Parameter	Format	CND	Description
<b>RefNr</b>	ns..30	O	Merchant's unique reference number
<b>ErrorText</b>	ans..128	C	InterCard error text. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>CodeExt</b>	n..10	O	InterCard error code, only if agreed with Computop Support.

Additional response parameters for direct debit payments via socket connection for the InterCard connection

## PPRO

Besides the general parameters described above for the connection PPRO to direct debit, the following parameters are to be transmitted via server-to-server connection.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>RefNr</b>	ns..30	O	Merchant's unique reference number When using auto-mandate (filling-in of MandateID with TransID or RefNr) the permitted character set is that of the MandateID parameter.
<b>SellingPoint</b>	ans..50	O	Selling point
<b>Service</b>	ans..50	O	products or service sold
<b>Channel</b>	ans..64	O	configuration channel of the PPRO contract (account and ContractID are stored in the system). If it exists, it may overwrite channels stored in the system.
<b>Email</b>	ans..100	M	E-Mail address of account holder
<b>CustomerID</b>	ans..30	O	Customer number
<b>URLNotify</b>	ans..256	C	Complete URL which Paygate calls up in order to notify the shop about the payment result. The URL may be called up only via port 443 It may not contain parameters: Use the <b>UserData</b> parameter instead. If URLNotify is not transferred, the URLNotify registered with Computop is used instead.

Additional parameters for direct debit payments via socket connection for the connection PPRO

The following table gives the parameters with which Paygate responds:

Parameter	Format	CND	Description
<b>RefNr</b>	ns..30	O	Merchant's unique reference number

<b>PaymentPurpose</b>	ans..26	O	Purpose of payment
<b>PaymentGuarantee</b>	a..12	C	NONE= no payment guarantee, VALIDATED= customer account valid, but no payment guarantee, FULL= payment guarantee Notice: This parameter is only returned if the Status=OK.
<b>ErrorText</b>	ans..128	C	Detailed PPRO error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>TransactionID</b>	an..20	O	Unique transaction number with PPRO

Additional response parameters for direct debit payments via socket connection for the PPRO connection

# CAPTURE / CREDIT / REVERSAL

## Capture

Captures are possible via a Server-to-Server connection. To perform a capture via a Server-to-Server connection please use the following URL:

<https://www.computop-paygate.com/capture.aspx>

**Notice:** Separate captures are not possible with the PPRO connection because all transactions are carried out directly as sale transactions.

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment to be captured
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency code, three digits DIN / ISO 4217
<b>RefNr</b>	ns..30	M	Merchant's unique reference number
<b>MandateID</b>	ans..35	O	for SEPA: SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
<b>DtOfSgntr</b>	ans..10	O	for SEPA: Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)

Parameters for captures of direct debit payments

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..50	M	OK or FAILED
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!

<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>RefNr</b>	ns..30	O	Merchant's unique reference number

Response parameters for captures of direct debit payments

## Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. Paygate permits credits which relate to a capture previously activated by Paygate and allows merchants to carry out credits without a reference transaction. This section describes the processing of credits with reference transactions. If you refer to a capture for a Credit, the amount of the Credit is limited to the amount of the previous capture.

To carry out a credit with a reference transaction, please use the following URL:

<https://www.computop-paygate.com/credit.aspx>

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment to be credited
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>RefNr</b>	ns..30	C	not with EVO: Merchant's unique reference number
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency code, three digits DIN / ISO 4217

Parameters for credits of direct debit payments

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..50	M	OK or FAILED
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!

<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )
<b>RefNr</b>	ns..30	C	not with EVO: Merchant's unique reference number

Response parameters for credits of direct debit payments

## Credit without reference

Paygate can carry out Credits which do not relate to a previous capture. In this case the credit must be transferred to Paygate as a completely new payment transaction. Please contact the Computop Helpdesk for help in using the described additional functions.

**Notice:** Please note that credits without reference to a previous capture generate higher costs with your Acquiring Bank. If you are frequently unable to make reference to the capture you should agree this with your Acquiring Bank.

**Notice:** Credit without reference is only possible with a direct debit connection.

To carry out a Credit without a reference transaction via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/eddcriditex.aspx>

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>RefNr</b>	ns..30	O	Merchant's unique reference number
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency code, three digits DIN / ISO 4217
<b>AccOwner</b>	ans..50	OC	Only in the case of PBAN creation: Account holder
<b>AccBank</b>	ans..20	OC	Only in the case of PBAN creation: Name of the bank
<b>IBAN</b>	ans..34	O	International Bank Account Number
<b>BIC</b>	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number
<b>OrderDesc</b>	ans..768	M	Description of refunded goods, unit prices, merchant's comment etc.
<b>ReqID</b>	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for credits of direct debit payments without reference

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	MC	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..50	M	OK or FAILED
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )

Response parameters for credits of direct debit payments without reference

## Credit without reference for InterCard

Paygate can carry out Credits which do not relate to a previous capture. In this case the credit must be transferred to Paygate as a completely new payment transaction. Please contact the Computop Helpdesk for help in using the described additional functions.

**Notice:** Please note that credits without reference to a previous capture generate higher costs with your Acquiring Bank. If you are frequently unable to make reference to the capture you should agree this with your Acquiring Bank.

To carry out a Credit without a reference transaction via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/eddcritetex.aspx>

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>RefNr</b>	ns..30	O	Merchant's unique reference number
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency code, three digits DIN / ISO 4217
<b>AccOwner</b>	ans..50	OC	Only in the case of PBAN creation: Account holder
<b>AccBank</b>	ans..20	OC	Only in the case of PBAN creation: Name of the bank
<b>IBAN</b>	ans..34	O	International Bank Account Number
<b>BIC</b>	ans..11	OC	Only in the case of PBAN creation: PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number

<b>OrderDesc</b>	ans..768	M	Description of refunded goods, unit prices, merchant's comment etc.
<b>ReqID</b>	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>CustomerID</b>	ans..30	M	Customer number at the merchant
<b>DateOfRegistration</b>	dtm8	O	Customer since in the format YYYYMMDD
<b>CustomerClassification</b>	ans..20	O	(business / private)
<b>eMail</b>	ans..80	O	E-mail address
<b>DateOfBirth</b>	dtm8	O	Date of birth in the format YYYYMMDD
<b>bdSalutation</b>	ans...4	O	Salutation of the invoicing address
<b>bdFirstName</b>	ans..30	M	First name of the invoicing address
<b>bdLastName</b>	ans..30	M	Last name of the invoicing address
<b>bdStreet</b>	a..50	M	Street name of the invoicing address
<b>bdStreetNr</b>	ans..5	M	Street number of the invoicing address
<b>bdCountryCode</b>	a2	O	Country code in the invoicing address, 2 characters according to ISO 3166
<b>bdZip</b>	n..5	M	Postcode of the invoicing address
<b>bdCity</b>	a..32	M	Town or city of the invoicing address
<b>bdPhone</b>	ans..15	O	Phone number in the invoicing address
<b>bdFax</b>	ans..20	O	Fax number of the invoicing address
<b>bdMaidenName</b>	ans..30	O	Maiden name of the invoicing address
<b>UseBillingData</b>	a..3	O	Is the invoicing address to be used as the delivery address? <Yes> or <No>. If <Yes> no parameters are transferred for the delivery address, if <No> they are obligatory. Standard=Yes
<b>sdSalutation</b>	ans...4	O	Salutation in the delivery address
<b>sdFirstName</b>	ans..30	O	First name in the delivery address
<b>sdLastName</b>	ans..30	O	Last name in the delivery address
<b>sdStreet</b>	a..50	O	Street in the delivery address
<b>sdStreetNr</b>	ans..5	O	Street number of the delivery address
<b>sdCountryCode</b>	a2	O	Country code for the delivery address, 2 characters according to ISO 3166
<b>sdZip</b>	n..5	O	Postcode in the delivery address
<b>sdCity</b>	a..50	O	Town/city in the delivery address
<b>Regular-CustomerIndicator</b>	a..5	O	Regular customer (true / false)

Parameters for credits of direct debit payments without reference with Intercard

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	MC	MerchantID, assigned by Computop



<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..50	M	OK or FAILED
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/handbuch">www.computop.de/handbuch</a> )

Response parameters for credits of direct debit payments without reference with Intercard

## Credit without reference for b4payment

Paygate can carry out Credits which do not relate to a previous capture. In this case the credit must be transferred to Paygate as a completely new payment transaction. Please contact the Computop Helpdesk for help in using the described additional functions.

**Notice:** Please note that credits without reference to a previous capture generate higher costs with your Acquiring Bank. If you are frequently unable to make reference to the capture you should agree this with your Acquiring Bank.

To carry out a Credit without a reference transaction via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/eddcriditex.aspx>

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>RefNr</b>	ns..30	O	Merchant's unique reference number
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency code, three digits DIN / ISO 4217
<b>AccOwner</b>	ans..50	C	Account holder [Condition: either AccOwner or First-Name + Lastname must exist]
<b>FirstName</b>	ans..70	C	First name of account holder [Condition: either AccOwner or First-Name + Lastname must exist]
<b>LastName</b>	ans..70	C	Last name of account holder [Condition: either AccOwner or First-Name + Lastname must exist]
<b>IBAN</b>	ans..34	C	International Bank Account Number [Condition: either IBAN or BankAccount + BankCode must exist]
<b>BIC</b>	ans..11	C	Bank Identifier Code:
<b>BankAccount</b>	n8	C	BACS account number [Condition: either IBAN or BankAccount + BankCode must exist]

<b>BankCode</b>	n6	C	BACS sort code [Condition: either IBAN or BankAccount + BankCode must exist]
<b>OrderDesc</b>	ans..768	M	Description of refunded goods, unit prices, merchant's comment etc.
<b>ReqID</b>	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for credits of direct debit payments without reference with b4payment

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	MC	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant's transaction number
<b>Status</b>	a..50	M	OK or FAILED
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/handbuch">www.computop.de/handbuch</a> )
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
<b>CodeExt</b>	n3	O	Error code from b4payment. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>ErrorText</b>	ans..128	O	Error text from b4payment. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
<b>PBAN</b>	ans..27	O	<u>For SEPA:</u> PseudoBankNumber. The last three digits are identical to the last three digits of the IBAN number Use is possible only in agreement with Computop support.

Response parameters for credits of direct debit payments without reference with b4payment

## Reversal

Reversals are possible via a Server-to-Server connection. In order to cancel a direct debit payment via a server-to-server communication, go to the following URL:

<https://www.computop-paygate.com/reverse.aspx>

**Notice:** Reverse.aspx does not only reverse authorisations, but any LAST TRANSACTION STAGE! If the last transaction was a capture, Reverse.aspx initiates the reverse, e.g. a credit. Therefore, the utmost caution is urged. Use is at your own risk. We recommend checking the transaction status with Inquire.aspx before using Reverse.aspx.

**Notice:** For security reasons, Paygate rejects all payment requests with formatting errors. Therefore, please use the correct data type for each parameter.

**Notice:** Cancellation is only possible with a direct debit connection.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
<b>MerchantID</b>	ans..30	M	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	Paygate ID for the identification of a payment
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency code, three digits DIN / ISO 4217
<b>MAC</b>	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for reversals of direct debit payments

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
<b>MID</b>	ans..30	MC	MerchantID, assigned by Computop
<b>PayID</b>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
<b>XID</b>	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
<b>TransID</b>	ans..64	M	Merchant transaction number, which must be unique
<b>Status</b>	a..50	M	OK or FAILED
<b>Description</b>	ans..1024	M	Further details in the event that payment is rejected. Please do not use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis!
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )

Response parameters for reversals of direct debit payments

# BATCH PROCESSING VIA THE INTERFACE

Basic information about using Batch files and about their structure can be found in the Batch Manager manual.

## Batch calls and answers

This section describes the parameters which must be transferred within the data set (**Record**) for executing a direct debit payment and which information can be found within the response file about the payment status.

The possible actions per batch depend on the respective connection. In the case of direct connections and via b4payment all transactions including credit without reference are possible while cancellation and credit without reference are not possible with EVO Payment, InterCard and PPRO connections. In the case of PPRO the transactions are also purely sales transactions and so only sales and credit is possible here. BACS payments with b4payment are not possible via Batch.

Following table gives an overview of all batch versions that are possible for a specific action and their specialities:

Action	Version	Description
<b>Capture</b>	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)
<b>Authorize</b>	1.0.1 / 2.0.1	Standard version without return of parameter Code
	1.x.1 / 2.x.1	with RefNr (valid for all versions other than 1.0)
<b>Sale</b>	1.0.1 / 2.0.1	Standard version without return of parameter Code
	1.x.1 / 2.x.1	with RefNr (valid for all versions other than 1.0)
<b>Credit</b>	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)
<b>CreditEx</b>	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2x.	with RefNr (valid for all versions other than 1.0)

Description of the possible batch versions

The structure for a direct debit payment within a Batch file to be submitted is the following:

```

HEAD,<MerchantID>,<Date>,<Version>
EDD,Authorize,<Amount>,<Currency>,<TransID>,( <RefNr>,) <AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,( <MandateID>,<DtOfSgntr>,<MdtSeqType>)
EDD,Sale,<Amount>,<Currency>,<TransID>,( <RefNr>,) <AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,( <MandateID>,<DtOfSgntr>,<MdtSeqType>)
EDD,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>,( <MandateID>,<DtOfSgntr>,<MdtSeqType>)
EDD,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
EDD,CreditEx,<Amount>,<Currency>,<TransID>,( <RefNr>,) <AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>
EDD,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
FOOT,<CountRecords>,<SumAmount>
    
```

The following table describes the individual fields and values used within the data set (record) in the batch file:

Parameter	Format	CND	Description
<b>Type</b>	a..11	M	HEAD for Header, FOOT for Footer, EDD for direct debit
<b>Action</b>	a..20	M	The parameter Action defines the type of transaction: Authorize (authorisation) Capture Sale Credit CreditEx (credit note without previous capture; please agree this with Computop Support beforehand) Reverse (cancellation)
<b>Amount</b>	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
<b>Currency</b>	a3	M	Currency code, three digits DIN / ISO 4217
<b>TransID</b>	ans..64	M	TransactionID which should be unique for each payment
<b>RefNr</b>	ns..30	O	Unique reference number
<b>PayID</b>	an32	M	ID for this transaction given by Paygate
<b>AccOwner</b>	ans..50	M	Account holder
<b>IBAN</b>	ans..34	M	International Bank Account Number
<b>BIC</b>	ans..11	O	Bank Identifier Code
<b>AccBankName</b>	ans..20	M	Name of the bank
<b>OrderDesc1</b>	ans..27	M	Text explaining customer account withdrawal, max. 27 characters
<b>OrderDesc2</b>	ans..27	M	Text explaining customer account withdrawal, max. 27 characters (2. line)
<b>MandateID</b>	ans..35	O	SEPA mandate number (compulsory in the case of SEPA) should be unique, is not case-sensitive Permissible characters: numbers 0-9, upper case letters A-Z, lower case letters a-z, apostrophe, colon, question mark, comma, full stop, plus sign, minus sign, forward slash, left and right bracket
<b>DtOfSgntr</b>	ans..10	O	Date of issuing the mandate in the format DD.MM.YYYY (obligatory when transferring the MandateID)
<b>MdtSeqType</b>	a4	O	Indicates whether the direct debit is a first, recurring, one-off or final direct debit. Permissible values: FRST, RCUR, OOFF, FNAL Standard: OOFF (single direct debit)

Description of fields within the record for Batch files

The record area within the response file for Batch transactions looks as follows:

```

HEAD,<MerchantID>,<Date>,<Version>
EDD,Authorize,<Amount>,<Currency>,<TransID>,( <RefNr>,) <AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,( <MandateID>,<DtOfSgntr>,<MdtSeqType>,) <Status>,<Code>
EDD,Sale,<Amount>,<Currency>,<TransID>,( <RefNr>,) <AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,( <MandateID>,<DtOfSgntr>,<MdtSeqType>,) <Status>,<Code>
EDD,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>,( <MandateID>,<DtOfSgntr>,<MdtSeqType>,) <Status>,<Code>
EDD,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>,<Status>,<Code>
EDD,CreditEx,<Amount>,<Currency>,<TransID>,( <RefNr>,) <AccOwner>,<IBAN>,<BIC>,<AccBankName>,<OrderDesc1>,<OrderDesc2>,<Status>,<Code>
EDD,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>,<Status>,<Code>
FOOT,<CountRecords>,<SumAmount>

```

The following table describes the response parameters which the Batch Manager saves in the Record area for each transaction (standard parameters not explained here, such as <TransID> or <RefNR> and request parameters are returned unchanged and correspond to the call as specified before):

Parameter	Format	CND	Description
<b>Action</b>	a..20	M	The parameter Action defines the type of transaction like capture or credit – see above.
<b>PayID</b>	an32	M	ID for this transaction given by Paygate
<b>Status</b>	a..50	M	OK or FAILED
<b>Code</b>	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from <a href="http://www.computop.de/manual">www.computop.de/manual</a> )

Description of result parameters within the record for Batch files