



BillPay

Integration Guide

Version 6.2.2

As of: 31.03.2017

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Document history

Date	Name	Change
31.03.2017	Peter Posse	TaxNumber changed to conditional
04.10.2016	Peter Posse	First version based on Paygate Manual 6.10

ABOUT BILLPAY

General information about BillPay

With BillPay the merchant sends the invoice with the logo and bank details of BillPay. BillPay pays the invoice amount and takes over the complete downstream debtor management.

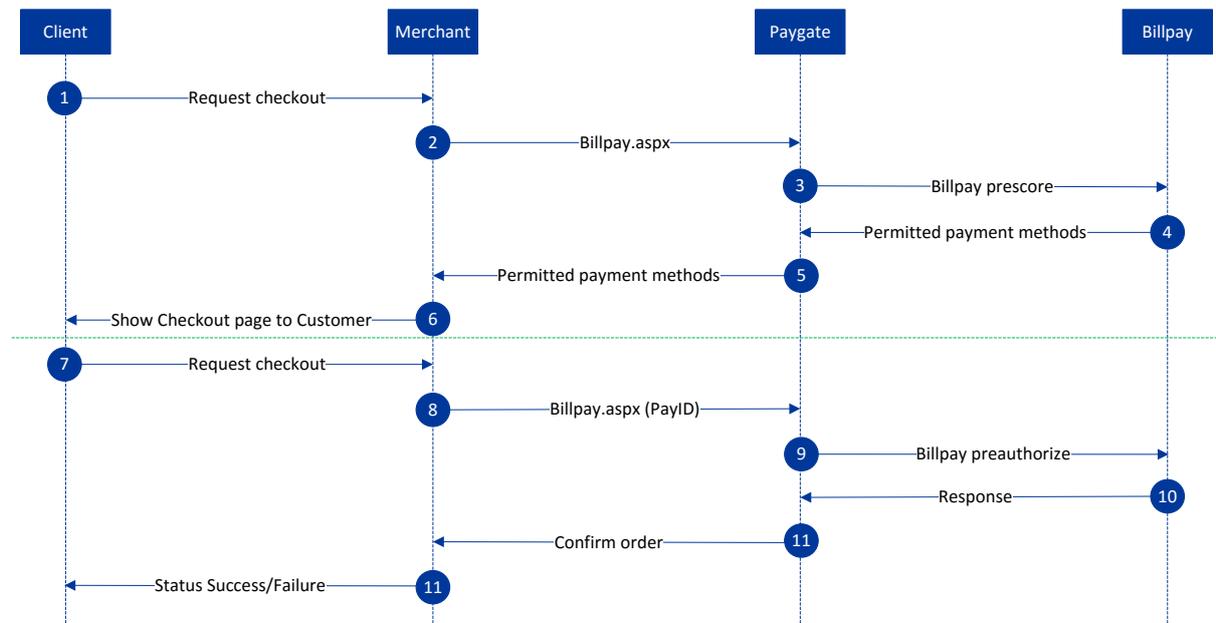


BillPay enables merchants to offer purchase on account in Germany, Austria, Switzerland and the Netherlands or purchase by direct debit in Germany and Austria. Instalment payments can also be offered in Germany and Austria with PayLater. A graphic snippet provided by BillPay simplifies the calculation of instalments and reduces programming work. A 100% disbursement takes place already after the first month.

Further information can be found at the webpage of BillPay (<http://www.billpay.de>).

Notice: For a simpler integration into the merchant's shop, BillPay has a Javascript widget which displays BillPay's payment methods in the checkout process. Documentation of the widget is available on the website https://techdocs.billpay.de/de/An_Entwickler/JavaScript-Widget.html.

Process flow chart



BillPay process flow including payment method control PreScore (above the green line)

PAYGATE 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

Calling the interface for Billpay invoice purchase

This chapter describes how to initiate a BillPay payment. After successful initialisation you can post BillPay payments on delivery. Additionally you can partly activate BillPay reservations and in this way set the date of payment for the customer. A subsequent change of the shopping cart is possible via the same interface and is described here. The cancellation of a BillPay payment is explained later in this document.

In order to execute a BillPay payment via server-to-server communication, please go to the following URL:

<https://www.computop-paygate.com/Billpay.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 transfer parameters to be encrypted:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	ans..64	M	TransactionID which should be unique for each payment
RefNr	ns..30	O	Unique reference number
Amount	n..12	M	Total amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217 Only EUR and CHF permissible.
MAC	an64	O	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
Language	a2	M	language code according to ISO 639-1 (e.g. de for German)
NewCustomer	ans..5	M	Defines whether or not the purchaser is a new customer. Values: <YES>, <NO>, <GUEST>
BillPayAction	n1	M	Defines the method of payment used. Values: <1> for invoice purchase <2> for direct debit <4> for PayLater <7> for PayLater with assumption of debt <8> for invoice purchase with assumption of debt <9> for direct debit with assumption of debt
GtcValue	a..3	M	Defines whether or not the customer has confirmed BillPay's terms and conditions. Values: <YES> or <NO>
DateOfBirth	an10	MC	Birth date of the customer in the format YYYY-MM-DD (may not be transmitted in the case of BillPay B2B)
IpAddr	ans15	M	IP address of the purchaser in the IPv4 format (xxx.xxx.xxx.xxx)
ActivationDelay	n..3	OC	Mandatory for BillPayAction = 7, 8 or 9 (assumption of debt) Number of days until fulfilment of service (e.g. start of journey)
CompanyOrPerson	a1	OC	Distinction of the purchaser as private person or company. Values: <F> for companies, <P> for persons, default value <P>. Obligatory for BillPay B2B
BrowserSessionID	ans..100	O	SessionID for fraud detection (must be the same with the SessionID from the JavaScript-Widget)
Invoice data			
bdSalutation	a..15	M	Salutation of the customer on the invoice. Permissible values: Male: Herr, Hr, Hr., Mister, Mr, Mr., Sir, Signor, Sig, Sig., Gentleman, Gentiluomo, Padrone, Monsieur, M, M. Female: Frau, Fräulein, Fr, Fr., Miss, Ms, Ms., Mrs, Mrs., Signora, Sig.ra, Donna, La Signora, Madame, Mme, Mademoiselle, Mlle, Mle
bdTitle	ans..20	O	Title of the customer or contact person within the company on the invoice, e.g. Dr. or Prof.
bdFirstName	ans..50	M	First name of customer or contact person in company
bdLastName	ans..50	M	Last name of customer or contact person in company
bdStreet	a..50	M	Street name in the invoicing address
bdStreetNr	ans..5	M	Street number of the invoicing address
bdStreet2	a..50	O	Address addition in the billing address
bdZip	n5	M	Postcode in the invoicing address
bdCity	ans..50	M	Town/city of the invoicing address
bdCountryCode	a3	M	Country code in the billing address, 3 characters. Germany (DEU), Suisse (CHE) and Austria (AUT) are currently permitted.
EEmail	ans..50	M	E-mail address of the customer or contact person on the invoicing address

Phone	ans..15	OC	Telephone number of the customer or contact person on the invoicing address. Obligatory for hire purchase (BillPayAction=3)
MobileNo	ans..50	O	Mobile telephone number of the customer on the invoicing address
Delivery data			
UseBillingData	a3	M	Is the invoicing address to be used as the delivery address? Permissible: <Yes> or <No>. If <No>, parameters for the delivery address become obligatory. If <Yes>, no parameters are transferred for the delivery address.
sdSalutation	a..15	C	Salutation of the customer on the invoice. Permissible values: Male: Herr, Hr, Hr., Mister, Mr, Mr., Sir, Signor, Sig, Sig., Gentleman, Gentiluomo, Padrone, Monsieur, M, M. Female: Frau, Fräulein, Fr, Fr., Miss, Ms, Ms., Mrs, Mrs., Signora, Sig.ra, Donna, La Signora, Madame, Mme, Mademoiselle, Mlle, Mle Obligatory, if UseBillingData=No
sdTitle	ans..20	O	Title of the customer on the invoice, e.g. Dr. or Prof.
sdFirstName	ans..50	C	Obligatory, if UseBillingData=No: First name of customer or contact person in company
sdLastName	ans..50	C	Obligatory, if UseBillingData=No: Last name of customer or contact person in company
sdStreet	a..50	C	Obligatory, if UseBillingData=No: Street in the delivery address
sdStreetNr	ans..5	C	Obligatory, if UseBillingData=No: Street number of the delivery address
sdStreet2	a..50	O	Address addition in the delivery address
sdZip	n5	C	Obligatory, if UseBillingData=No: Postcode in the delivery address
sdCity	ans..50	C	Obligatory, if UseBillingData=No: Town/city of the delivery address
sdCountryCode	a3	C	Obligatory, if UseBillingData=No: Country code in the delivery address, 3 characters. Germany (DEU), Suisse (CHE) and Austria (AUT) are currently permitted.
sdPhone	ans..15	O	Telephone number of the customer in the delivery address
sdMobileNo	ans..50	O	Mobile telephone number of the customer in the delivery address
Company data			
CompanyName	ans..200	C	Company name. Obligatory if CompanyOrPerson=F
LegalForm	a..12	C	Legal form of the company. Obligatory, if CompanyOrPerson=F Values: <ag>, <eg>, <einzeln>, <ek>, <e_ges>, <ev>, <foundation>, <freelancer>, <gbr>, <gmbh>, <gmbh_ig>, <gmbh_co_kg>, <inv_kk>, <kg>, <kgaa>, <k_ges>, <ltid>, <ltid_co_kg>, <ohg>, <public_inst>, <misc_capital>, <misc>, <ug>.
RegisterNumber	ans..20	C	Register of Companies number/commercial register Obligatory if CompanyOrPerson=F and a certain combination of LegalForm and bdCountryCode applies
HolderName	ans..100	C	Optional: Name of the firm owner Obligatory if CompanyOrPerson=F and a certain combination of LegalForm and bdCountryCode applies
TaxNumber	ans..20	C	VAT Reg. No. Notice: The specification of the VAT Reg. No. increases the probability of a hit
Article and order data			
ArticleList	ans..768	M	Customer's shopping cart with the following article data: - Article no., ans..20 - Quantity, n..7 - Article name, ans..50 - Article description, ans..50 - Article price net in smallest currency unit, n..7 - Article price gross in smallest currency unit, n..7 - Category, ans.. - Sub category1, ans.. - Sub category2, ans..

			<ul style="list-style-type: none"> - Article type, optional, Obligatory for BillPayAction 7/8/9; n1: <ul style="list-style-type: none"> • 0: Other (default value) • 1: Flight • 2: Luggage with flight • 3: Combination of articles with flight • 4: Combination of articles without flight • 5: Hotel • 6: Travel insurance • 7: Car rental - Departure destination, optional, mandatory with article type 1-3; a..3 - Departure date, optional, mandatory with article type 1-3; n8 in format YYYYMMDD - Arrival destination, optional, mandatory with article type 1-3; a..3 - Arrival date, optional, mandatory with article type 1-3; n8 in format YYYYMMDD - Booking class, optional, mandatory with article type 1-3; a..2 (bc: Business class, fc: First class, co: Bus, na: not available) - Route type, optional, mandatory with article type 1-3; a..2 (rt: Round trip, ow: One-way, na: not available) - Route type, optional, mandatory with article type 1-3; a..2 (rt: Change of booking not possible, rf: Change of booking, chargeable, possible, fl: No change of booking fees, na: not available) <p>Note on the structure of the article list:</p> <p><> separates the fields of an article data set <+> separates the article data sets</p> <p>Each article is transferred as a complete article data set:</p> <p>articleid;articlequantity;articlename;articledescription;articleprice;articleprice-gross;category;subcategory1;subcategory2;articletype;departingfrom;departingon;arrivingat;arrivingon;bookingclass;routetype;tickettype+articleid;articlequantity;articlename;articledescription;articleprice; articlepricegross;category;subcategory1;subcategory2;articletype;departingfrom;departingon;arrivingat;arrivingon;bookingclass;routetype;tickettype +...</p>
OrderDesc	ans..768	M	<p>Customer's complete shopping cart including order, fees and discount with the following data:</p> <ul style="list-style-type: none"> - Shipping name (name of shipping method), ans..50 - Shipping costs net in the smallest currency unit, n..7 - Shipping costs gross in the smallest currency unit, n..7 - Net discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Gross discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Total price net in the smallest currency unit, n..7 - Total price gross in the smallest currency unit, n..7 <p>Note on the structure of the order information:</p> <p><> separates the fields of the order information</p> <p>Each order is transferred as a complete article data set.</p> <p>All transferred data is validated wherein the sum of individual items must give the total price. In this case the following must apply:</p> <p>Total price gross=sum(article number x article gross price) + shipping costs gross – discount gross</p> <p>Total price gross=sum(article number x article net price) + shipping costs – discount</p> <p>Example:</p> <p>Shipping name;shipping costs;shipping costs gross;discount;discount gross;total price; total price gross</p> <p>DHL Standard;336;400;1390;1654;22307;26546</p>
OrderHistory	ans..768	O	<p>Customer's order history/order information from the last 20 orders with the following information:</p> <ul style="list-style-type: none"> - Historical order number., ans..20 - Date of order, format YYYYMMDD hh:mm:ss - Total price in the smallest currency unit, n..7 - Currency according to ISO 4217 - Payment method of the order with the following values: <p><0> Direct Debit, <1> Credit Card, <2> Advance Payment, <3> Cash on Delivery, <4> Paypal, <5> Online Transfer, <6> Invoice, <7> BillPay invoice, <100> Other.</p>

			<p>- Status of the order with the following values: <0> paid, <1> open, <2> reminder, <3> debt collection, <4> overpaid, <5> underpaid, <6> cancelled.</p> <p>Note on the structure of the OrderHistory: <;> separates the fields of an article data set <+> separates the article data sets</p> <p>A max. of 20 data records may be transferred</p> <p>Example: hordrid;hdate;hamount;hcurrency;hpaymenttype; hstatus+hordrid;hdate;hamount;hcurrency; hpaymenttype;hstatus+...</p>												
CustomerClassification	n1	O	<p>Customer specification</p> <p>0 – Customer has not yet ordered or has successfully completed payment for fewer than 2 orders</p> <p>1 – Customer has already made successful payment for 2 or more orders</p>												
Limit	n..12	OC	<p>Mandatory if CustomerClassification is transmitted: Numeric value Limit, based on the positive payment history x in Euro.</p> <p>If CustomerClassification=0</p> <ul style="list-style-type: none"> - and no successful payment: Limit=0 - and one successful payment: Limit=2500 <p>If CustomerClassification=1</p> <table> <thead> <tr> <th>Rule</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>1 € < x < 40 €</td> <td>8000</td> </tr> <tr> <td>40 € =< x < 75 €</td> <td>15000</td> </tr> <tr> <td>75 € =< x < 300 €</td> <td>x * 200</td> </tr> <tr> <td>300 € =< x < 2000 €</td> <td>(600 + (x-300) / 2) * 100</td> </tr> <tr> <td>2000 € =< x</td> <td>250000</td> </tr> </tbody> </table> <p>Example: Payment history EUR 180 over 2 purchases: Limit = 180*200 = 36000</p>	Rule	Limit	1 € < x < 40 €	8000	40 € =< x < 75 €	15000	75 € =< x < 300 €	x * 200	300 € =< x < 2000 €	(600 + (x-300) / 2) * 100	2000 € =< x	250000
Rule	Limit														
1 € < x < 40 €	8000														
40 € =< x < 75 €	15000														
75 € =< x < 300 €	x * 200														
300 € =< x < 2000 €	(600 + (x-300) / 2) * 100														
2000 € =< x	250000														
Bank data															
AccOwner	ans..50	M	<p>First name and surname of the account holder (purchaser)</p> <p>Notice: Obligatory parameters if BillPayAction=2 (electronic direct debit) or 3 (instalment payment)</p>												
IBAN	ans..34	M	<p>Customer's IBAN</p> <p>Notice: Obligatory parameters if BillPayAction=2 (electronic direct debit) or 3 (instalment payment)</p>												
BIC	an..11	OC	<p>Customer's BIC</p> <p>Notice: Obligatory parameters if BillPayAction=2 (electronic direct debit) or 3 (instalment payment)</p>												
in case of BillPay hire purchase															
BpBaseAmount	n..7	C	<p>Obligatory in case of hire purchase (BillPayAction=3): gross amount to be financed excluding fees.</p> <p>Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).</p>												
BpRateCount	n..2	C	<p>Obligatory in case of hire purchase (BillPayAction=3): Number of monthly instalments selected by purchaser, e.g. 6/9/12/18/24</p> <p>Notice: BpRateCount is to be used together with PayID and BillPayAction for a subsequent call</p>												
Travel data															
TripData	ans..768	OC	<p>Mandatory if ArticleList/ArticleType 1-3: Customer's travel information with the following data:</p> <ul style="list-style-type: none"> - Number of trips already posted, n..3 - Total amount of trips already posted in the smallest currency unit , n..7 - Currency of trips already posted, a3 <p>Hints on structure of parameter TripData: <;> separates the fields of a data set</p> <p>Example: historicaltripcount;historicaltripamount;historicalcurrency</p>												
TravelerList	ans..768	OC	<p>Mandatory if ArticleList/ArticleType 1-3: List of travellers with the following data:</p> <ul style="list-style-type: none"> - Salutation, a.. - First name, ans..40 												

		<ul style="list-style-type: none"> - Surname, ans..40 - Birthday in format YYYYMMDD, a8 - Membership, n1 <ul style="list-style-type: none"> • 0: Not available (standard value) • 1: Member of a frequent flyer programme • 2: No member of a frequent flyer programme - MemberID in the frequent flyer programme, ans..50 (standard: 0) <p>Hints on structure of parameter TraverlList: <;> separates the fields of a data set A complete data record must be transferred per traveller.</p> <p>Example: salutation;firstname;lastname;birthday;membership;program;membershipid+salutation;firstname;lastname;birthday;membership;program;membershipid+...</p>
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Parameters for BillPay payments

The following table describes the result parameters with which the Paygate responds:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ans..30	O	Unique reference number for accounting
BpTransactionID	ans..50	C	BillPay transaction number Notice: BpTransactionID is returned only if BpStatus=APPROVED
BpStatus	a..8	M	Status of the BillPay identity check and credit rating. Values: <APPROVED>, <DENIED> or <NOSTATUS> if errors occurred
Corrected address data			
Street	ans..50	O	corrected street of customer
StreetNr	ans..5	O	corrected street number of customer
Zip	ans..5	O	corrected postcode of customer
City	ans..50	O	corrected town/city of customer
Country	a3	O	Customer's corrected country code according to ISO3166 alpha-3
virtual BillPay bank details			
BpAccOwner	ans..255	C	Account holder for the receivables (usually "BillPay GmbH") Notice: is returned only if BpStatus=APPROVED
IBAN	ans..34	C	BillPay-IBAN for the receivables Notice: is returned only if BpStatus=APPROVED
BIC	an..11	C	BillPay-BIC for the receivables Notice: is returned only if BpStatus=APPROVED
BpBank	ans..255	C	Name of the bank for the receivables Notice: is returned only if BpStatus=APPROVED
BpInvoiceRef	ans..255	C	Purpose (contains RefNr) Notice: is returned only if BpStatus=APPROVED

Response in case of hire purchase			
BpConditionsList	ans..768	M	<p>BillPay conditions for instalment payment</p> <ul style="list-style-type: none"> - Number of monthly instalments "term", n..7 - Value of shopping cart, "base" n..7 - Gross order value "cart", n..7 - Financing interest charge "surcharge", n..7 - Gross total value "total", n..7 - Monthly charge % "interest", n..2 - eff. annual interest rate % "annual", n..4 - BillPay fee "fee", n..7 <p>All amounts in the smallest currency unit (e.g. EUR Cent)</p> <p><;> separates fields of a hire purchase data record <+> separates different hire purchase conditions Example: „term“;„base“;„cart“;„surcharge“;„total“; „interest“;„anual“;„fee“+...</p>
BpPaymentPlan	ans..768	M	<p>BillPay instalment plans with the following data:</p> <ul style="list-style-type: none"> - Number of monthly instalments "term", n..2 - Gross value of first instalment, "due1", n..7 - Gross value of 2nd to nth instalment, "due2" to "due-n", n..7 <p><;> separates fields of a data record in the instalment plan <+> separates different instalment plans Example: „term“;„due1“;„due2“;„due_n“+ „term“;„due1“;„due2“;„due_n“+</p>
BpLink1	ans..768	M	Link to BillPay terms and condition for hire purchase which is to be displayed
BpLink2	ans..768	M	Link to BillPay data protection regulations which is to be displayed
BpLink3	ans..768	M	Link to BillPay terms of payment which is to be displayed
BpInfo1	ans..	MC	<p>Base64 encrypted data string for the generation of a PDF document which contains a summary of all relevant data for the BillPay purchase by instalment order. This document must be forwarded to the purchaser!</p> <p>Notice: This parameter is returned only with purchase by instalment with the subsequent request to finalise the payment.</p>
BpInfo2	ans..	MC	<p>Base64-encrypted data string for the generation of a PDF document which contains standard information about the conclusion of credit contracts and which must be sent to the credit recipient.</p> <p>Notice: This parameter is returned only with purchase by instalment with the subsequent request to finalise the payment.</p>
Response in case of error			
ErrorText1	ans..255	O	<p>ErrorText1 contains the detailed error message from BillPay for the merchant.</p> <p>Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.</p>
ErrorText2	ans..255	O	<p>ErrorText2 contains the detailed error message from BillPay for the purchaser.</p> <p>Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.</p>
ErrorText3	n..6	O	<p>ErrorText3 contains the detailed BillPay error code.</p> <p>Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.</p>
ValidationErrors	ans..1024	O	<p>in case of one or more validation errors with following data:</p> <ul style="list-style-type: none"> - error field - error code > 1 - Customer error notification - Merchant error notification <p><;> separates fields within a validation error <+> separates different validation errors Example: <error field>; <error code>; <error message customer>; <error message merchant>+etc.</p>

Result parameters for BillPay payments

Subsequent change of shopping cart

The contents of a shopping cart can be changed later, in the case of goods returned or additional articles. In this case the old shopping cart is completely replaced, but address, reference numbers,

currency, method of payment and number of instalments are retained. If the order value is same or less this change is always accepted. In the case of an increase in the order value a new authorisation is attempted. The new shopping cart is valid only in the case of success otherwise the previous cart is retained. If an order is already activated, BillPay will notify the customer about the changed amount.

Enter the following URL to change the shopping cart associated with a payment previously initialised with BillPay:

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

The following table describes the transfer parameters to be encrypted:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop This parameter is to be passed in plain language.
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
TransID	ans..64	M	TransactionID which should be unique for each payment
Amount	n..12	M	Total amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Article and order data			
ArticleList	ans..768	M	Customer's shopping cart with the following article data: <ul style="list-style-type: none"> - Article no., ans..20 - Quantity, n..7 - Article name, ans..50 - Article description, ans..50 - Article price net in smallest currency unit, n..7 - Article price gross in smallest currency unit, n..7 - Category, ans.. - Sub category1, ans.. - Sub category2, ans.. <p>Note on the structure of the article list:</p> <p><> separates the fields of an article data set <+> separates the article data sets</p> <p>Each article is transferred as a complete article data set: articleid;articlequantity;articlename;articledescription;articleprice;articleprice-gross;category;subcategory1;subcategory2;articletype;departingfrom;departingon;arrivingat;arrivingon;bookingclass;routetype;tickettype+articleid;articlequantity;articlename;articledescription;articleprice; articlepricegross;category;subcategory1;subcategory2;articletype;departingfrom;departingon;arrivingat;arrivingon;bookingclass;routetype;tickettype +...</p>
OrderDesc	ans..768	M	Customer's complete shopping cart including order, fees and discount with the following data: <ul style="list-style-type: none"> - Shipping name (name of shipping method), ans..50 - Shipping costs net in the smallest currency unit, n..7 - Shipping costs gross in the smallest currency unit, n..7 - Net discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Gross discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Total price net in the smallest currency unit, n..7 - Total price gross in the smallest currency unit, n..7 <p>Note on the structure of the order information:</p> <p><> separates the fields of the order information</p> <p>Each order is transferred as a complete article data set.</p> <p>All transferred data is validated wherein the sum of individual items must give the total price. In this case the following must apply: Total price gross=sum(article number x article gross price) + shipping costs gross – discount gross</p>

			Total price gross=sum(article number x article net price) + shipping costs – discount Example: Shipping name;shipping costs;shipping costs gross;discount;discount gross;total price; total price gross DHL Standard;336;400;1390;1654;22307;26546
EventToken	a2	M	Abbreviation of the action to be done: Presently only CO (Change order) possible

Parameters for subsequent change of shopping cart with BillPay payments

The following table describes the result parameters, which Paygate sends in response:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
Status	a..30	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ans..30	O	Unique reference number for accounting. Returned only if a RefNr has already been assigned.
BrTransactionID	ans..50	M	BillPay transaction number
BpStatus	a..8	M	Status of the BillPay identity check and credit rating. Values: <APPROVED>, <DENIED> or <NOSTATUS> if errors occurred
Response in case of hire purchase			
BpConditionsList	ans..768	M	BillPay conditions for instalment payment - term: Number of monthly instalments, n..7 - base: Value of shopping cart, n..7 - cart: Gross value including fees and rebates, n..7 - surcharge: Interest increase of financing, n..7 - total: Gross total value, n..7 - interest: monthly %-surcharge, n..2 - anual: eff. Interest per annum in %, n..4 - fee: BillPay handling fee, n..7 Notice: In this case the new conditions for the already selected number of monthly instalments are given. <>separates fields within a data record Example: <term>;<base>;<cart>;<surcharge>;<total>;<interest>;<anual>;<fee>
BpPaymentPlan	ans..768	M	Instalment plan selected by the buyer: - RateNr: number of the instalment - RateAmount: instalment amount - DueDate: due date of the instalment Notice: In this case the instalment plan for the already selected number of monthly instalments are given. <>separates fields within a data record <+> separates different data records Example: <Rate1>;<RateAmount>;<DueDate>+ <Rate_n>;<RateAmount_n>;<DueDate_n>+ etc. Notice: DueDate is empty if the order has not been activated.
Response in case of error			

ErrorText1	ans..255	O	ErrorText1 contains the detailed error message from BillPay for the merchant. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText2	ans..255	O	ErrorText2 contains the detailed error message from BillPay for the purchaser. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText3	n..6	O	ErrorText3 contains the detailed BillPay error code. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.

Result parameters for BillPay payments

BillPay with payment method control (PreScore)

BillPay's payment method control lets online merchants preselect BillPay payment methods in their online shop to be displayed to a specific customer. Customers only see the payment methods which apply to them, which leads to an increase in sales. For payment method control, the end customer identity and creditworthiness checks must take place before the payment method selection. The BillPay payment method control is thus an alternative to checking the end customer request after selecting a payment method. A merchant portal in the case of BillPay can work either with or without payment method control but not both at the same time.

For use of the payment method control the merchant must have a corresponding contract with BillPay and be enabled. The BillPay process is divided for this process into the prior payment method control (PreScore) and the subsequent creation of the BillPay payment which now requires fewer call-up parameters. The response to the reservation corresponds again to the declared normal proceedings declared above.

In order to execute the BillPay payment method control via server-to-server communication, please go to the following URL:

<https://www.computop-paygate.com/billpay.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
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	ans..64	M	TransactionID which should be unique for each payment
RefNr	ns..30	O	Unique reference number
Amount	n..12	M	Total amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217
MAC	an64	O	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
UserData	ans..1024	O	If specified upon call, Paygate forwards the parameter with the payment result to the shop.
EventToken	a2	M	Token for the call of the request: <PS> for PreScore
Language	a2	M	language code according to ISO 639-1 (e.g. de for German)

NewCustomer	ans..5	M	Defines whether or not the purchaser is a new customer. Values: <YES>, <NO>, <GUEST>
IpAddr	ans15	M	IP address of the purchaser in the IPv4 format (xxx.xxx.xxx.xxx)
CompanyOrPerson	a1	OC	Distinction of the purchaser as private person or company. Values: <F> for companies, <P> for persons, default value <P>. Obligatory for BillPay B2B
DateOfBirth	an10	OC	Birth date of the customer in the format YYYY-MM-DD (may not be transmitted in the case of BillPay B2B)
BrowserSessionID	ans..100	O	SessionID for fraud detection (must be the same with the SessionID from the JavaScript-Widget)
Invoice data			
bdSalutation	a..15	M	Salutation of the customer on the invoice. Permissible values: Male: Herr, Hr, Hr., Mister, Mr, Mr., Sir, Signor, Sig, Sig., Gentleman, Gentiluomo, Padrone, Monsieur, M, M. Female: Frau, Fräulein, Fr, Fr., Miss, Ms, Ms., Mrs, Mrs., Signora, Sig.ra, Donna, La Signora, Madame, Mme, Mademoiselle, Mlle, Mle
bdTitle	ans..20	O	Title of the customer or contact person within the company on the invoice, e.g. Dr. or Prof.
bdFirstName	ans..50	M	First name of customer or contact person in company
bdLastName	ans..50	M	Last name of customer or contact person in company
bdStreet	a..50	M	Street name in the invoicing address
bdStreetNr	ans..5	M	Street number of the invoicing address
bdStreet2	a..50	O	Address addition in the billing address
bdZip	n5	M	Postcode in the invoicing address
bdCity	ans..50	M	Town/city of the invoicing address
bdCountryCode	a3	M	Country code in the billing address, 3 characters. Germany (DEU), Suisse (CHE) and Austria (AUT) are currently permitted.
EMail	ans..50	M	E-mail address of the customer or contact person on the invoicing address
Phone	ans..15	O	Telephone number of the customer or contact person on the invoicing address.
MobileNo	ans..50	O	Mobile telephone number of the customer on the invoicing address
Delivery data			
UseBillingData	a3	M	Is the invoicing address to be used as the delivery address? Permissible: <Yes> or <No>. If <No>, parameters for the delivery address become obligatory. If <Yes>, no parameters are transferred for the delivery address.
sdSalutation	a..15	C	Salutation of the customer on the invoice. Permissible values: Male: Herr, Hr, Hr., Mister, Mr, Mr., Sir, Signor, Sig, Sig., Gentleman, Gentiluomo, Padrone, Monsieur, M, M. Female: Frau, Fräulein, Fr, Fr., Miss, Ms, Ms., Mrs, Mrs., Signora, Sig.ra, Donna, La Signora, Madame, Mme, Mademoiselle, Mlle, Mle Obligatory, if UseBillingData=No
sdTitle	ans..20	O	Title of the customer on the invoice, e.g. Dr. or Prof.
sdFirstName	ans..50	C	Obligatory, if UseBillingData=No: First name of customer or contact person in company
sdLastName	ans..50	C	Obligatory, if UseBillingData=No: Last name of customer or contact person in company
sdStreet	a..50	C	Obligatory, if UseBillingData=No: Street in the delivery address
sdStreetNr	ans..5	C	Obligatory, if UseBillingData=No: Street number of the delivery address
sdStreet2	a..50	O	Address addition in the delivery address
sdZip	n5	C	Obligatory, if UseBillingData=No: Postcode in the delivery address
sdCity	ans..50	C	Obligatory, if UseBillingData=No: Town/city of the delivery address

sdCountryCode	a3	C	Obligatory, if UseBillingData=No: Country code in the delivery address, 3 characters. Germany (DEU), Suisse (CHE) and Austria (AUT) are currently permitted.
sdPhone	ans..15	O	Telephone number of the customer in the delivery address
sdMobileNo	ans..50	O	Mobile telephone number of the customer in the delivery address
Company data			
CompanyName	ans..200	C	Company name. Obligatory if CompanyOrPerson=F
LegalForm	a..12	C	Legal form of the company. Obligatory, if CompanyOrPerson=F Values: <ag>, <eg>, <einzl>, <ek>, <e_ges>, <ev>, <foundation>, <freelancer>, <gbr>, <gmbh>, <gmbh_ig>, <gmbh_co_kg>, <inv_kk>, <kg>, <kgaa>, <k_ges>, <ltid>, <ltid_co_kg>, <ohg>, <public_inst>, <misc_capital>, <misc>, <ug>.
RegisterNumber	ans..20	C	Register of Companies number/commercial register Obligatory if CompanyOrPerson=F and a certain combination of LegalForm and bdCountryCode applies
HolderName	ans..100	C	Optional: Name of the firm owner Obligatory if CompanyOrPerson=F and a certain combination of LegalForm and bdCountryCode applies
TaxNumber	ans..20	C	VAT Reg. No. Notice: The specification of the VAT Reg. No. increases the probability of a hit
Article and order data			
ArticleList	ans..768	M	Customer's shopping cart with the following article data: <ul style="list-style-type: none"> - Article no., ans..20 - Quantity, n..7 - Article name, ans..50 - Article description, ans..50 - Article price net in smallest currency unit, n..7 - Article price gross in smallest currency unit, n..7 - Category, ans.. - Sub category1, ans.. - Sub category2, ans.. - Article type, optional, Obligatory for BillPayAction 7/8/9; n1: <ul style="list-style-type: none"> • 0: Other (default value) • 1: Flight • 2: Luggage with flight • 3: Combination of articles with flight • 4: Combination of articles without flight • 5: Hotel • 6: Travel insurance • 7: Car rental - Departure destination, optional, mandatory with article type 1-3; a..3 - Departure date, optional, mandatory with article type 1-3; n8 in format YYYYMMDD - Arrival destination, optional, mandatory with article type 1-3; a..3 - Arrival date, optional, mandatory with article type 1-3; n8 in format YYYYMMDD - Booking class, optional, mandatory with article type 1-3; a..2 (bc: Business class, fc: First class, co: Bus, na: not available) - Route type, optional, mandatory with article type 1-3; a..2 (rt: Round trip, ow: One-way, na: not available) - Route type, optional, mandatory with article type 1-3; a..2 (rt: Change of booking not possible, rf: Change of booking, chargeable, possible, fl: No change of booking fees, na: not available) <p>Note on the structure of the article list: <;> separates the fields of an article data set <+> separates the article data sets Each article is transferred as a complete article data set: articleid;articlequantity;articlename;articledescription;articleprice;articleprice-gross;category;subcategory1;subcategory2;articletype;departingfrom;departingon;arrivingat;arrivingon;bookingclass;routtype;tickettype+articleid;articlequan-</p>



			<p>tity;articlename;articledescription;articleprice; articlepricegross;category;subcategory1;subcategory2;articletype;departingfrom;departingon;arrivingat;arrivingon;bookingclass;routetype;tickettype +...</p>												
OrderDesc	ans..768	M	<p>Customer's complete shopping cart including order, fees and discount with the following data:</p> <ul style="list-style-type: none"> - Shipping name (name of shipping method), ans..50 - Shipping costs net in the smallest currency unit, n..7 - Shipping costs gross in the smallest currency unit, n..7 - Net discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Gross discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Total price net in the smallest currency unit, n..7 - Total price gross in the smallest currency unit, n..7 <p>Note on the structure of the order information: <;> separates the fields of the order information Each order is transferred as a complete article data set. All transferred data is validated wherein the sum of individual items must give the total price. In this case the following must apply: Total price gross=sum(article number x article gross price) + shipping costs gross – discount gross Total price gross=sum(article number x article net price) + shipping costs – discount Example: Shipping name;shipping costs;shipping costs gross;discount;discount gross;total price; total price gross DHL Standard;336;400;1390;1654;22307;26546</p>												
OrderHistory	ans..768	O	<p>Customer's order history/order information from the last 20 orders with the following information:</p> <ul style="list-style-type: none"> - Historical order number., ans..20 - Date of order, format YYYYMMDD hh:mm:ss - Total price in the smallest currency unit, n..7 - Currency according to ISO 4217 - Former payment method of the order with the following values: <0> Direct Debit, <1> Credit Card, <2> Advance Payment, <3> Cash on Delivery, <4> Paypal, <5> Online Transfer, <6> Invoice, <7> BillPay invoice, <100> Other. - Status of the order with the following values: <0> paid, <1> open, <2> reminder, <3> debt collection, <4> overpaid, <5> underpaid, <6> cancelled. <p>Note on the structure of the OrderHistory: <;> separates the fields of an article data set <+> separates the article data sets A max. of 20 data records may be transferred Example: hordrid;hdate;hamount;hcurrency;hpaymenttype; hstatus+hordrid;hdate;hamount;hcurrency; hpaymenttype;hstatus+...</p>												
CustomerClassification	n1	O	<p>Customer specification</p> <p>0 – Customer has not yet ordered or has successfully completed payment for fewer than 2 orders</p> <p>1 – Customer has already made successful payment for 2 or more orders</p>												
Limit	n..12	OC	<p>Mandatory if CustomerClassification is transmitted: Numeric value Limit, based on the positive payment history x in Euro.</p> <p>If CustomerClassification=0</p> <ul style="list-style-type: none"> - and no successful payment: Limit=0 - and one successful payment: Limit=2500 <p>If CustomerClassification=1</p> <table> <thead> <tr> <th>Rule</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>1 € < x < 40 €</td> <td>8000</td> </tr> <tr> <td>40 € =< x < 75 €</td> <td>15000</td> </tr> <tr> <td>75 € =< x < 300 €</td> <td>x * 200</td> </tr> <tr> <td>300 € =< x < 2000 €</td> <td>(600 + (x-300) / 2) * 100</td> </tr> <tr> <td>2000 € =< x</td> <td>250000</td> </tr> </tbody> </table> <p>Example: Payment history EUR 180 over 2 purchases: Limit = 180*200 = 36000</p>	Rule	Limit	1 € < x < 40 €	8000	40 € =< x < 75 €	15000	75 € =< x < 300 €	x * 200	300 € =< x < 2000 €	(600 + (x-300) / 2) * 100	2000 € =< x	250000
Rule	Limit														
1 € < x < 40 €	8000														
40 € =< x < 75 €	15000														
75 € =< x < 300 €	x * 200														
300 € =< x < 2000 €	(600 + (x-300) / 2) * 100														
2000 € =< x	250000														

Travel data			
TripData	ans..768	OC	<p>Mandatory if ArticleList/ArticleType 1-3: Customer's travel information with the following data:</p> <ul style="list-style-type: none"> - Number of trips already posted, n..3 - Total amount of trips already posted in the smallest currency unit , n..7 - Currency of trips already posted, a3 <p>Hints on structure of parameter TripData: <;> separates the fields of a data set</p> <p>Example: historicaltripcount;historicaltripamount;historicalcurrency</p>
TravelerList	ans..768	OC	<p>Mandatory if ArticleList/ArticleType 1-3: List of travellers with the following data:</p> <ul style="list-style-type: none"> - Salutation, a.. - First name, ans..40 - Surname, ans..40 - Birthday in format YYYYMMDD, a8 - Membership, n1 <ul style="list-style-type: none"> • 0: Not available (standard value) • 1: Member of a frequent flyer programme • 2: No member of a frequent flyer programme - MemberID in the frequent flyer programme, ans..50 (standard: 0) <p>Hints on structure of parameter TraverList: <;> separates the fields of a data set</p> <p>A complete data record must be transferred per traveller.</p> <p>Example: salutation;firstname;lastname;birthday;membership;program;membershipid+salutation;firstname;lastname;birthday;membership;program;membershipid+...</p>

Parameters for BillPay payment method control (PreScore)

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID assigned by Paygate for the payment transaction.
TransID	ans..64	M	Merchant's transaction number
Status	a..50	M	AUTHORIZE_REQUEST or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ans..30	O	Merchant's reference number. In case of updating the RefNr the new RefNr is returned to the merchant.
UserData	ans..1024	O	If specified upon call, Paygate forwards the parameter with the payment result to the shop.
BillPay answer			
BpStatus	a..8	M	Status of the BillPay identity check and credit rating. Values: <APPROVED>, <DENIED> or <NOSTATUS> if errors occurred
BpTransactionID	ans..50	O	BillPay transaction number Notice: BpTransactionID is returned only if BpStatus=APPROVED
Street	ans..50	O	Corrected street of customer
StreetNr	ans..15	O	Corrected street number of customer
Zip	ans..5	O	Corrected postcode of customer
City	ans..50	O	Corrected town/city of the customer

Paygate interface: BillPay with payment method control (PreScore)

Country	a3	O	Customer's corrected country code according to ISO3166 alpha-3
BrowserSessionID	ans..100	O	SessionID for fraud detection (must be the same with the SessionID from the JavaScript-Widget)
AllowedPaymentMethods	ans..768	OC	List of allowed payment methods (is returned only if BpStatus=APPROVED) 1 for INVOICE 2 for DIRECT_DEBIT 4 for PAYLATER (instalment payment) 8 for INVOICE_COLLATERAL_PROMISE 9 for DIRECT_DEBIT_COLLATERAL_PROMISE 7 for PAYLATER_COLLATERAL_PROMISE Customer group: PRIVATE for B2C; BUSINESS for B2B Todo <;>separates fields within a data record <+> separates data records Example: <ID>;< Name>;<Customer group>+<ID>;< Name>;<Customer group>+...
ValidationErrors	ans..1024	O	Is returned in the case of one or more validation errors. Contains following data: - error field - error code. Value is always > 1 - Customer error notification - Detailed merchant error notification <;> separates the fields of a data set <+> separates data records Example: <error field>; <error code>; <error message customer>; <error message merchant>+etc.
BillPay response in case of errors			
ErrorText1	ans..255	O	ErrorText1 contains the detailed error message from BillPay for the merchant. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText2	ans..255	O	ErrorText2 contains the detailed error message from BillPay for the purchaser. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText3	n..6	O	ErrorText3 contains the detailed BillPay error code. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.

Result parameters for BillPay payments methods control

To create and reserve the payment the second access requires just a few additional parameters depending on the payment method.

Notice: As soon as the customer changes its personal data or shopping basket, the payment method control must be resent. The previously implemented payment method control is no longer valid.

To generate a BillPay payment via a Server-to-Server connection, call the following URL:

<https://www.computop-paygate.com/billpay.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
MerchantID	ans..30	M	MerchantID, assigned by Computop

PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing of batch files.
TransID	ans..64	M	TransactionID which should be unique for each payment
MAC	an64	O	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
UserData	ans..1024	O	If specified upon call, Paygate forwards the parameter with the payment result to the shop.
BillPayAction	n1	M	Defines the method of payment used. <1> for invoice purchase, <2> for direct debit, <4> for PayLater, <7> for PayLater with assumption of debt, <8> for invoice purchase with assumption of debt, <9> for direct debit with assumption of debt. Notice: Only permitted payment methods may be used. See return parameter AllowedPayMethods in the response to the payment method control.
ActivationDelay	n..3	OC	Mandatory for BillPayAction = 7, 8 or 9 (assumption of debt) Number of days until fulfilment of service (e.g. start of journey)
DateOfBirth	an10	OC	Mandatory if not yet transferred in the payment method control request: Birth date of the customer in the format YYYY-MM-DD (may not be transmitted in the case of BillPay B2B)
GtcValue	a..3	M	Defines whether or not the customer has confirmed BillPay's terms and conditions. Values: <YES> or <NO>
AccOwner	ans..50	OC	Obligatory if BillPayAction=2 (electronic direct debit) or 4 (PayLater) First name and last name of the account holder (purchaser)
IBAN	ans..34	OC	Obligatory if BillPayAction=2 (electronic direct debit) or 4 (PayLater) Customer's IBAN
BIC	an..11	OC	Obligatory if BillPayAction=2 (electronic direct debit) or 4 (PayLater) Customer's BIC
BpBaseAmount	n..7	OC	Obligatory if BillPayAction=4 (PayLater): gross amount to be financed (total price + interest charge + transaction charge) The values come from the BillPay JavaScript-Snippet.
BpRateCount	n..2	OC	Mandatory if BillPayAction=4 (PayLater): Number of monthly instalments selected by purchaser The values come from the BillPay JavaScript-Snippet.
URLBack	ans..256	OC	Mandatory if BillPayAction=4 (PayLater): URL to which the customer is routed back after the down payment. Please use a reference within this URL in order to allocate the payment later.
URLNotify	ans..256	OC	Mandatory if BillPayAction=4 (PayLater) and no URLNotify for PayLater ist stored at Computop: Complete URL, which calls up Paygate in order to notify the shop. The URL may be called up only via port 443 It may not contain parameters: Use the UserData parameter instead. This URL is callad only if the customer was forwarded to the gateway for down payment, because in this case the response from gateway is delayed.
Travel data			
TripData	ans..768	OC	Mandatory if ArticleList/ArticleType 1-3: Customer's travel information with the following data: - Number of trips already posted, n..3 - Total amount of trips already posted in the smallest currency unit , n..7 - Currency of trips already posted, a3 Hints on structure of parameter TripData: <;> separates the fields of a data set Example: historicaltripcount;historicaltripamount;historicalcurrency
TravelerList	ans..768	OC	Mandatory if ArticleList/ArticleType 1-3: List of travellers with the following data: - Salutation, a.. - First name, ans..40 - Surname, ans..40 - Birthday in format YYYYMMDD, a8

			<ul style="list-style-type: none"> - Membership, n1 <ul style="list-style-type: none"> • 0: Not available (standard value) • 1: Member of a frequent flyer programme • 2: No member of a frequent flyer programme - MemberID in the frequent flyer programme, ans..50 (standard: 0) <p>Hints on structure of parameter TraverList: <;> separates the fields of a data set</p> <p>A complete data record must be transferred per traveller.</p> <p>Example: salutation;firstname;lastname;birthday;membership;program;membershipid+salutation;firstname;lastname;birthday;membership;program;membershipid+...</p>
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Parameters for BillPay payment after payment methods control

The response parameters correspond to the parameters of general process which are explained above.

PayLater via BillPay

This chapter describes how to process a PayLater payment via BillPay. PayLater is an extension of the Billpay-connection. Further functions and general parameters are described in the general documentation of Billpay.

To make a payment with PayLater via BillPay, go to the following URL:

<https://www.computop-paygate.com/billpay.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
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	ans..64	M	TransactionID which should be unique for each payment
RefNr	ns..30	O	Unique reference number
Amount	n..12	M	Total amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency, three digits DIN / ISO 4217
MAC	an64	O	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
Language	a2	M	language code according to ISO 639-1 (e.g. de for German)
NewCustomer	ans..5	M	Defines whether or not the purchaser is a new customer. Values: <YES>, <NO>, <GUEST>
BillPayAction	n1	M	Defines the method of payment used. Values: <1> for invoice purchase <2> for direct debit <4> for PayLater <7> for PayLater with assumption of debt <8> for invoice purchase with assumption of debt <9> for direct debit with assumption of debt
GtcValue	a..3	M	Defines whether or not the customer has confirmed BillPay's terms and conditions. Values: <YES> or <NO>

DateOfBirth	an10	OC	Customer's birth date in the format YYYY-MM-DD (mandatory when CompanyOrPerson=F)
IpAddr	ans15	M	IP address of the purchaser in the IPv4 format (xxx.xxx.xxx.xxx)
ActivationDelay	n..3	OC	Mandatory for BillPayAction = 7, 8 or 9 (assumption of debt) Number of days until fulfilment of service (e.g. start of journey)
CompanyOrPerson	a1	OC	Distinction of the purchaser as private person or company. Values: <F> for companies, <P> for persons, default value <P>. Obligatory for BillPay B2B
BrowserSessionID	ans..100	O	SessionID for fraud detection (must be the same with the SessionID from the JavaScript-Widget)
Invoice data			
bdSalutation	a..15	OC	Obligatory if CompanyOrPerson=P: Salutation of the customer on the invoice. Permissible values: Male: Herr, Hr, Hr., Mister, Mr, Mr., Sir, Signor, Sig, Sig., Gentleman, Gentiluomo, Padrone, Monsieur, M, M. Female: Frau, Fräulein, Fr, Fr., Miss, Ms, Ms., Mrs, Mrs., Signora, Sig.ra, Donna, La Signora, Madame, Mme, Mademoiselle, Mlle, Mle
bdTitle	ans..20	O	Title of the customer or contact person within the company on the invoice, e.g. Dr. or Prof.
bdFirstName	ans..50	M	First name of customer or contact person in company
bdLastName	ans..50	M	Last name of customer or contact person in company
bdStreet	a..50	M	Street name in the invoicing address
bdStreetNr	ans..5	M	Street number of the invoicing address
bdStreet2	a..50	O	Address addition in the billing address
bdZip	n5	M	Postcode in the invoicing address
bdCity	ans..50	M	Town/city of the invoicing address
bdCountryCode	a3	M	Country code in the billing address, 3 characters. Germany (DEU), Suisse (CHE) and Austria (AUT) are currently permitted.
EMail	ans..50	M	E-mail address of the customer or contact person on the invoicing address
Phone	ans..15	M	Telephone number of the customer or contact person on the invoicing address.
MobileNo	ans..50	O	Mobile telephone number of the customer on the invoicing address
Delivery data			
UseBillingData	a3	M	Is the invoicing address to be used as the delivery address? Permissible: <Yes> or <No>. If <No>, parameters for the delivery address become obligatory. If <Yes>, no parameters are transferred for the delivery address.
sdSalutation	a..15	OC	Obligatory, if UseBillingData=No: Salutation of the customer on the invoice. Permissible values: Male: Herr, Hr, Hr., Mister, Mr, Mr., Sir, Signor, Sig, Sig., Gentleman, Gentiluomo, Padrone, Monsieur, M, M. Female: Frau, Fräulein, Fr, Fr., Miss, Ms, Ms., Mrs, Mrs., Signora, Sig.ra, Donna, La Signora, Madame, Mme, Mademoiselle, Mlle, Mle Obligatory, if UseBillingData=No
sdTitle	ans..20	O	Title of the customer on the invoice, e.g. Dr. or Prof.
sdFirstName	ans..50	OC	Obligatory, if UseBillingData=No: First name of customer or contact person in company
sdLastName	ans..50	OC	Obligatory, if UseBillingData=No: Last name of customer or contact person in company
sdStreet	a..50	OC	Obligatory, if UseBillingData=No: Street in the delivery address
sdStreetNr	ans..5	OC	Obligatory, if UseBillingData=No: Street number of the delivery address
sdStreet2	a..50	OO	Address addition in the delivery address
sdZip	n5	OC	Obligatory, if UseBillingData=No: Postcode in the delivery address

sdCity	ans..50	OC	Obligatory, if UseBillingData=No: Town/city of the delivery address
sdCountryCode	a3	OC	Obligatory, if UseBillingData=No: Country code in the delivery address, 3 characters. Germany (DEU), Suisse (CHE) and Austria (AUT) are currently permitted.
sdPhone	ans..15	O	Telephone number of the customer in the delivery address
sdMobileNo	ans..50	O	Mobile telephone number of the customer in the delivery address
Company data			
CompanyName	ans..200	C	Obligatory if CompanyOrPerson=F: Name of company
LegalForm	a..12	C	Obligatory, if CompanyOrPerson=F: Legal form of the company. Values: <ag>, <eg>, <einzeln>, <ek>, <e_ges>, <ev>, <foundation>, <freelancer>, <gbr>, <gmbh>, <gmbh_ig>, <gmbh_co_kg>, <inv_kk>, <kg>, <kgaa>, <k_ges>, <ltd>, <ltd_co_kg>, <ohg>, <public_inst>, <misc_capital>, <misc>, <ug>.
RegisterNumber	ans..20	C	Register of Companies number/commercial register Obligatory if CompanyOrPerson=F and a certain combination of LegalForm and bdCountryCode applies
HolderName	ans..100	C	Name of the firm owner Obligatory if CompanyOrPerson=F and a certain combination of LegalForm and bdCountryCode applies
TaxNumber	ans..20	C	VAT Reg. No. Notice: The specification of the VAT Reg. No. increases the probability of a hit
Article and order data			
ArticleList	ans..768	M	Customer's shopping cart with the following article data: <ul style="list-style-type: none"> - Article no., ans..20 - Quantity, n..7 - Article name, ans..50 - Article description, ans..50 - Article price net in smallest currency unit, n..7 - Article price gross in smallest currency unit, n..7 - Category, ans.. - Sub category1, ans.. - Sub category2, ans.. - Article type, optional, Obligatory for BillPayAction 7/8/9; n1: <ul style="list-style-type: none"> • 0: Other (default value) • 1: Flight • 2: Luggage with flight • 3: Combination of articles with flight • 4: Combination of articles without flight • 5: Hotel • 6: Travel insurance • 7: Car rental - Departure destination, optional, mandatory with article type 1-3; a..3 - Departure date, optional, mandatory with article type 1-3; n8 in format YYYYMMDD - Arrival destination, optional, mandatory with article type 1-3; a..3 - Arrival date, optional, mandatory with article type 1-3; n8 in format YYYYMMDD - Booking class, optional, mandatory with article type 1-3; a..2 (bc: Business class, fc: First class, co: Bus, na: not available) - Route type, optional, mandatory with article type 1-3; a..2 (rt: Round trip, ow: One-way, na: not available) - Route type, optional, mandatory with article type 1-3; a..2 (rt: Change of booking not possible, rf: Change of booking, chargeable, possible, fl: No change of booking fees, na: not available) <p>Note on the structure of the article list: <> separates the fields of an article data set <+> separates the article data sets Each article is transferred as a complete article data set: articleid;articlequantity;articlename;articledescription;articleprice;articleprice-gross;category;subcategory1;subcategory2;articletype;departingfrom;departin-</p>



			gon;arrivingat;arrivingon;bookingclass;routtype;tickettype+articleid;articlequantity;articlename;articledescription;articleprice; articlepricegross;category;subcategory1;subcategory2;articletype;departingfrom;departingon;arrivingat;arrivingon;bookingclass;routtype;tickettype +...												
OrderDesc	ans..768	M	<p>Customer's complete shopping cart including order, fees and discount with the following data:</p> <ul style="list-style-type: none"> - Shipping name (name of shipping method), ans..50 - Shipping costs net in the smallest currency unit, n..7 - Shipping costs gross in the smallest currency unit, n..7 - Net discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Gross discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Total price net in the smallest currency unit, n..7 - Total price gross in the smallest currency unit, n..7 <p>Note on the structure of the order information: <;> separates the fields of the order information Each order is transferred as a complete article data set. All transferred data is validated wherein the sum of individual items must give the total price. In this case the following must apply: Total price gross=sum(article number x article gross price) + shipping costs gross – discount gross Total price gross=sum(article number x article net price) + shipping costs – discount</p> <p>Example: Shipping name;shipping costs;shipping costs gross;discount;discount gross;total price; total price gross DHL Standard;336;400;1390;1654;22307;26546</p>												
OrderHistory	ans..768	O	<p>Customer's order history/order information from the last 20 orders with the following information:</p> <ul style="list-style-type: none"> - Historical order number., ans..20 - Date of order, format YYYYMMDD hh:mm:ss - Total price in the smallest currency unit, n..7 - Currency according to ISO 4217 - Former payment method of the order with the following values: <0> Direct Debit, <1> Credit Card, <2> Advance Payment, <3> Cash on Delivery, <4> Paypal, <5> Online Transfer, <6> Invoice, <7> BillPay invoice, <100> Other. - Status of the order with the following values: <0> paid, <1> open, <2> reminder, <3> debt collection, <4> overpaid, <5> underpaid, <6> cancelled. <p>Note on the structure of the OrderHistory: <;> separates the fields of an article data set <+> separates the article data sets A max. of 20 data records may be transferred Example: hordrid;hdate;hamount;hcurrency;hpaymenttype; hstatus+hordrid;hdate;hamount;hcurrency; hpaymenttype;hstatus+...</p>												
CustomerClassification	n1	O	<p>Customer specification</p> <p>0 – Customer has not yet ordered or has successfully completed payment for fewer than 2 orders 1 – Customer has already made successful payment for 2 or more orders</p>												
Limit	n..12	OC	<p>Mandatory if CustomerClassification is transmitted: Numeric value Limit, based on the positive payment history x in Euro.</p> <p>If CustomerClassification=0</p> <ul style="list-style-type: none"> - and no successful payment: Limit=0 - and one successful payment: Limit=2500 <p>If CustomerClassification=1</p> <table> <thead> <tr> <th>Rule</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>1 € < x < 40 €</td> <td>8000</td> </tr> <tr> <td>40 € =< x < 75 €</td> <td>15000</td> </tr> <tr> <td>75 € =< x < 300 €</td> <td>x * 200</td> </tr> <tr> <td>300 € =< x < 2000 €</td> <td>(600 + (x-300) / 2) * 100</td> </tr> <tr> <td>2000 € =< x</td> <td>250000</td> </tr> </tbody> </table> <p>Example: Payment history EUR 180 over 2 purchases: Limit = 180*200 = 36000</p>	Rule	Limit	1 € < x < 40 €	8000	40 € =< x < 75 €	15000	75 € =< x < 300 €	x * 200	300 € =< x < 2000 €	(600 + (x-300) / 2) * 100	2000 € =< x	250000
Rule	Limit														
1 € < x < 40 €	8000														
40 € =< x < 75 €	15000														
75 € =< x < 300 €	x * 200														
300 € =< x < 2000 €	(600 + (x-300) / 2) * 100														
2000 € =< x	250000														

Bank data			
AccOwner	ans..50	M	First name and surname of the account holder (purchaser)
IBAN	ans..34	M	Customer's IBAN
BIC	an..11	M	Customer's BIC
In case of hire purchase			
BpBaseAmount	n..7	M	Re financing gross amount (total price + interest + transaction fee)
BpRateCount	n..2	M	Number of monthly instalments selected by purchaser Notice: BpRateCount is to be used together with PayID and BillPayAction for a subsequent call.
URLBack	ans..256	M	URL to which the customer is routed back after the down payment. Please use a reference within this URL in order to allocate the payment later.
URLNotify	ans..256	MC	Mandatory if no URLNotify for PayLater ist stored at Computop: Complete URL, which calls up Paygate in order to notify the shop. The URL may be called up only via port 443 It may not contain parameters: Use the UserData parameter instead. This URL is callad only if the customer was forwarded to the gateway for down payment, because in this case the response from gateway is delayed.
Travel data			
TripData	ans..768	OC	Mandatory if ArticleList/ArticleType 1-3: Customer's travel information with the following data: - Number of trips already posted, n..3 - Total amount of trips already posted in the smallest currency unit , n..7 - Currency of trips already posted, a3 Hints on structure of parameter TripData: <;> separates the fields of a data set Example: historicaltripcount;historicaltripamount;historicalcurrency
TravelerList	ans..768	OC	Mandatory if ArticleList/ArticleType 1-3: List of travellers with the following data: - Salutation, a.. - First name, ans..40 - Surname, ans..40 - Birthday in format YYYYMMDD, a8 - Membership, n1 <ul style="list-style-type: none"> • 0: Not available (standard value) • 1: Member of a frequent flyer programme • 2: No member of a frequent flyer programme - MemberID in the frequent flyer programme, ans..50 (standard: 0) Hints on structure of parameter TraverlList: <;> separates the fields of a data set A complete data record must be transferred per traveller. Example: salutation;firstname;lastname;birthday;membership;program;membershipid+salutation;firstname;lastname;birthday;membership;program;membershipid+...

Parameters for PayLater via BillPay

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID assigned by Paygate for the payment transaction.
TransID	ans..64	M	Merchant's transaction number
Status	a..50	M	OK, FAILED or AUTHORIZE_REQUEST if a down payment is needed

Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ans..30	O	Merchant's reference number. In case of updating the RefNr the new RefNr is returned to the merchant.
BpTransactionID	ans..50	M	BillPay transaction number Notice: BpTransactionID is returned only if BpStatus=APPROVED
BpStatus	a..8	M	Status of the BillPay identity check and credit rating. Values: <APPROVED>, <DENIED>, <PRE_APPROVED> (in case of a necessary down payment) or <NOSTATUS> if errors occurred
Response from PayLater			
BpConditionsList	ans..768	C	is returned only if BpStatus=APPROVED Values for calculation of the instalment plan: - num_inst: Number of monthly partial amounts to be paid by the customer - duration: Term of instalment plan - fee_percent: Percentage of PayLater fee - fee_total: Total sum of PayLater fee - pre_payment: Amount paid - total_amount: Total amount of PayLater order - eff_anual: eff. annual interest rate in percent - nominal: Annual nominal interest rate in percent <;>separates fields within a financing data record Example: <num_inst>;<duration>;<fee_percent>;<fee_total>;<pre_payment>;<total_amount>;<eff_anual>;<nominal>
BpPaymentPlan	ans..768	C	is returned only if BpStatus=APPROVED List with monthly instalments and due date and amount of instalment - Value of instalments payable in the smallest currency unit "instl" - Date of expected receipt "date" - Type of instalment "type" <;> separates the instalment and date of a data record <+> separates monthly instalments Example: „instl1“; „date1“; „type1“+ „instl2“; „date2“; „type2“ + „instl3“...
PrePayment	n..12	C	is returned only if BpStatus=PRE_APPROVED Amount of prepayment to be paid by the customer
BpLink1	ans..768	C	is returned only if BpStatus=PRE_APPROVED URL for forwarding to the pre-payment partner. This value is URL-encoded und must be URL-decoded.
BpLink2	ans..768	C	is returned only if BpStatus=PRE_APPROVED URL for the updated instalment plan including the amount of prepayment. This value is URL-encoded und must be URL-decoded.
Campaign	ans..768	C	is returned only if BpStatus=PRE_APPROVED Campaign information - type of campaign. This describes the shifting of the payment date (e.g. 14 days or 7 days) "type" - Text displayed on the page before transfer to payment partner "display_text" - Path to a promotional image depending on the campaign "display_image_url" <;> separates the fields of the campaign information Example: „type“; „display_text“; „display_image_url“
Corrected address data			
Street	ans..50	O	Corrected street of customer
StreetNr	ans..15	O	Corrected street number of customer
Zip	ans..5	O	Corrected postcode of customer
City	ans..50	O	Corrected town/city of the customer
Country	a3	O	Customer's corrected country code according to ISO3166 alpha-3

Response in case of errors			
ErrorText1	ans..255	O	ErrorText1 contains the detailed error message from BillPay for the merchant. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText2	ans..255	O	ErrorText2 contains the detailed error message from BillPay for the purchaser. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText3	n..6	O	ErrorText3 contains the detailed BillPay error code. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.

Result parameters for PayLater via BillPay

Capture & partial capture via socket connection

Captures are possible via a Server-to-Server connection. Additionally the merchant can full or partly activate BillPay reservations and in this way set the date of payment for the customer. If the merchant transfers a new reference number, the reference number of the reservation will be updated and then the invoice is activated. To carry out a Capture via a Server-to-Server connection please use the following URL:

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

The following tables describe the transfer parameters and return values which are exchanged via the socket connection.

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
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
TransID	ans..64	M	TransactionID which should be unique for each payment
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
Amount	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).
Currency	a3	M	Currency code, three digits DIN / ISO 4217. Only EUR and CHF permissible.
RefNr	ans..30	M	Unique reference number which appears on your printed card account or in the EPA-file (Electronic Payment Advice). Format must be mutually agreed beforehand with Computop! For EVO Payments International Customers: compulsory field for unique number. The RefNr will be updated, if another RefNr is submitted than for the reservation.
InvoiceNr	ans..30	C	Only for BillPay partial activation: unique invoice number
Delay	n..3	O	Number of days to delay the due date
ArticleList	ans..768	C	BillPay partial activation only: Customer's shopping cart with the following article data: - Article no., ans..20 - Quantity, n..7 - Article name, ans..50

			<ul style="list-style-type: none"> - Article description, ans..50 - Article price net in smallest currency unit, n..7 - Article price gross in smallest currency unit, n..7 <p>Note on the structure of the article list: <;> separates the fields of an article data set <+> separates the article data sets</p> <p>Each article is transferred as a complete article data set: articleid;articlequantity;articlename;articledescription;articleprice;articleprice-gross+articleid;articlequantity;articlename;articledescription;articleprice;articlepricegross+...</p>
OrderDesc	ans..768	C	<p>BillPay partial activation only: Customer's complete shopping cart including order, fees and discount with the following data:</p> <ul style="list-style-type: none"> - Shipping name (name of shipping method), ans..50 - Shipping costs net in the smallest currency unit, n..7 - Shipping costs gross in the smallest currency unit, n..7 - Net discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Gross discount (incl. all discounts, coupons and other items) in the smallest currency unit, n..7 - Total price net in the smallest currency unit, n..7 - Total price gross in the smallest currency unit, n..7 <p>Note on the structure of the order information: <;> separates the fields of the order information</p> <p>Each order is transferred as a complete article data set. All transferred data is validated wherein the sum of individual items must give the total price. In this case the following must apply: Total price gross=sum(article number x article gross price) + shipping costs gross – discount gross Total price gross=sum(article number x article net price) + shipping costs – discount</p> <p>Example: Shipping name;shipping costs;shipping costs gross;discount;discount gross;total price; total price gross DHL Standard;336;400;1390;1654;22307;26546</p>

Parameters for the capture of BillPay payments

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID assigned by Paygate for the payment transaction.
TransID	ans..64	M	Merchant's transaction number
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ans..30	M	Merchant's reference number. In case of updating the RefNr the new RefNr is returned to the merchant.
InvoiceStatus	a..10	M	Status of activation request: Indicates whether reservation has been activated or not. Return values: „Activated“ or „Not Active“
InvoiceNr	ans..30	C	BillPay partial activation only: Unique invoice number for partial activation
BillPay bank account			
BpAccOwner	ans..255	M	Account holder for the receivables (usually "BillPay GmbH")
IBAN	ans..34	M	BillPay-IBAN for the receivables (can vary per order!)



BIC	an..11	M	BillPay-BIC for the receivables
BpBank	ans..255	M	Name of the bank for the receivables
BpInvoiceRef	ans..255	M	Purpose
BpInvoiceDate	n8	M	Customer's due date
in case of BillPay hire purchase			
BpPaymentPlan	ans..768	M	Instalment plan selected by the buyer with information - RateNr: number of the instalment - RateAmount: instalment amount - DueDate: due date of the instalment <;>separates fields within a data record <+> separates different data records Example: <Rate1>;<RateAmount>;<DueDate>+ <Rate_n>;<RateA- mount_n>;<DueDate_n>+ etc.
BillPay response in case of errors			
ErrorText1	ans..255	O	ErrorText1 contains the detailed error message from BillPay for the merchant. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText2	ans..255	O	ErrorText2 contains the detailed error message from BillPay for the purchaser. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.
ErrorText3	n..6	O	ErrorText3 contains the detailed BillPay error code. Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.

Response parameters for the capture of BillPay payments

Reversal of BillPay payments

Reversals are possible via a Server-to-Server connection. BillPay can cancel both reservations and activations wherein there must be differentiation between full and partial cancellations. In order to reverse a BillPay payment, please use the following URL:

<https://www.computop-paygate.com/reverse.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 tables describe the transfer parameters and return values which are exchanged via the socket connection.

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be credited
TransID	ans..64	M	TransactionID which should be unique for each payment
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
Amount	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).
Currency	a..3	M	Currency code, three digits DIN / ISO 4217. Only EUR and CHF permissible.
NetRebate	n..7	O	Value by which the discount is to be increased or reduced (net value).



			Notice: This parameter is only used for partial reversals. Do not process NetRebate/GrRebate together with shRebate/shRebateGr. Please make separate requests to the Paygate.
GrRebate	n..7	O	Value by which the discount is to be increased or reduced (gross value). Notice: This parameter is only used for partial reversals. Do not process NetRebate/GrRebate together with shRebate/shRebateGr. Please make separate requests to the Paygate.
shRebate	n..7	O	Rebate on net shipping costs. Notice: This parameter is only used for partial reversals. Do not process NetRebate/GrRebate together with shRebate/shRebateGr. Please make separate requests to the Paygate.
shRebateGr	n..7	O	Rebate on gross shipping costs. Notice: This parameter is only used for partial reversals. Do not process NetRebate/GrRebate together with shRebate/shRebateGr. Please make separate requests to the Paygate.
ArticleList	ans..768	O	Article list with data of the articles to be cancelled. The full ArticleList does not need to be transmitted; only the ArticleID (ans..20) and articlequantity (n..7) fields: Note on the structure of the article list: <> separates the fields of an article data set <+> separates the article data sets Example: articleid;articlequantity+ articleid;articlequantity+... Notice: This parameter is only used for partial reversals.
Reason	a11	O	indicates that cancellation refers to articles that have not yet been activated. Only necessary after partial activation. Reason=RESERVATION

Parameters for the reversal of BillPay payments

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
Status	a..30	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ans..30	M	Unique reference number. When updating the reference number the new RefNr is returned to the merchant.
Response in case of partial reversal for hire purchase			
BpConditionsList	ans..	C	New calculated data for hire purchase after partial reversal. - Number of monthly instalments "term", n..7 - Value of shopping cart, "base" n..7 - Gross order value "cart", n..7 - Financing interest charge "surcharge", n..7 - Gross total value "total", n..7 - Monthly charge % "interest", n..2 - eff. annual interest rate % "annual", n..4 - BillPay fee "fee", n..7 All amounts in the smallest currency unit (e.g. EUR Cent) <> separates fields of a hire purchase data record <+> separates different hire purchase conditions

			Example: <term>;<base>;<cart>; <surcharge>;<total>;<interest>;<annual>;<fee>+...
BpPaymentPlan	ans..	C	<p>New calculated rate plans for the financing.</p> <ul style="list-style-type: none"> - RateNr: number of the instalment - RateAmount: instalment amount - DueDate: due date of the instalment <p><;>separates fields within a data record <+> separates different data records</p> <p>Example: <Rate1>;<RateAmount>;<DueDate>+ <Rate_n>;<RateAmount_n>;<DueDate_n>+ etc.</p> <p>Notice: If partial cancellation is carried out on a purchase by instalment reservation, the new instalment plan will have NO due dates!</p>
Response in case of error			
ErrorText1	ans..255	O	<p>ErrorText1 contains the detailed error message from BillPay for the merchant.</p> <p>Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.</p>
ErrorText2	ans..255	O	<p>ErrorText2 contains the detailed error message from BillPay for the merchant.</p> <p>Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.</p>
ErrorText3	n6	O	<p>ErrorText3 contains the detailed BillPay error code.</p> <p>Notice: This will be additionally returned to the merchant if it is configured and an error occurs. Use is possible only in agreement with Computop support.</p>

Result parameters for reversals of BillPay payments

BATCH PROCESSING VIA THE INTERFACE

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

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

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

Action	Version	Description
Capture	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)
Reverse	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)

Description of the possible batch versions

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

```
HEAD,<MerchantID>,<Date>,<Version>
BillPay,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
BillPay,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
FOOT,<CountRecords>,<SumAmount>
```

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

Parameter	Format	CND	Description
Type	a..11	M	HEAD for Header, FOOT for Footer, BillPay for BillPay
Action	a..20	M	The parameter Action defines the type of transaction: Capture Reverse (cancellation)
Amount	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).
Currency	a3	M	Currency code, three digits DIN / ISO 4217
TransID	ans..64	M	TransactionID which should be unique for each payment
RefNr	ans..30	O	Unique reference number
PayID	an32	M	ID for this transaction given by Paygate

Description of fields within the record for Batch files

The record area within the response file for Batch transactions looks the following way:

```
HEAD,<MerchantID>,<Date>,<Version>
BillPay,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>,<Status>,<Code>
BillPay,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 in):

Parameter	Format	CND	Description
Action	a..20	M	The parameter Action defines the type of transaction: Capture, Reverse
PayID	an32	M	ID for this transaction given by Paygate
Status	a..50	M	OK or FAILED
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)

Description of result parameters within the record for Batch files