



PayU CEE

Integration Guide

Version 6.2.4

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Document history

Date	Name	Change
28.09.2017	Peter Posse	ChargeAmount added
14.08.2017	Peter Posse	Configuration added
03.04.2017	Peter Posse	Infotext changed, configuration added, parameters Channel and Status extended
04.10.2016	Peter Posse	First version based on Paygate Manual 6.10

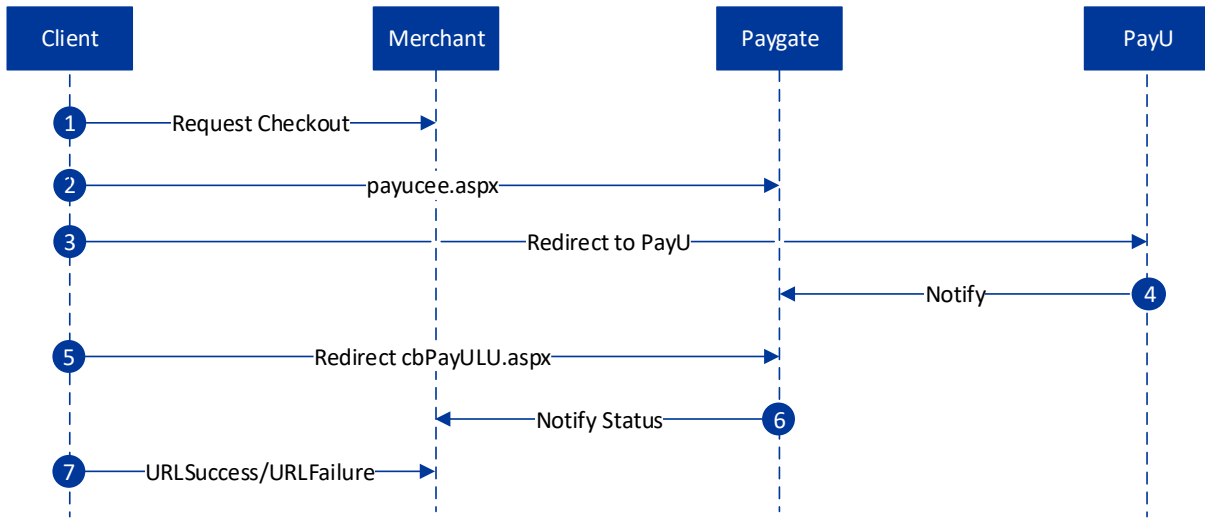
ABOUT PAYU CEE

General information about payment methods via PayU CEE

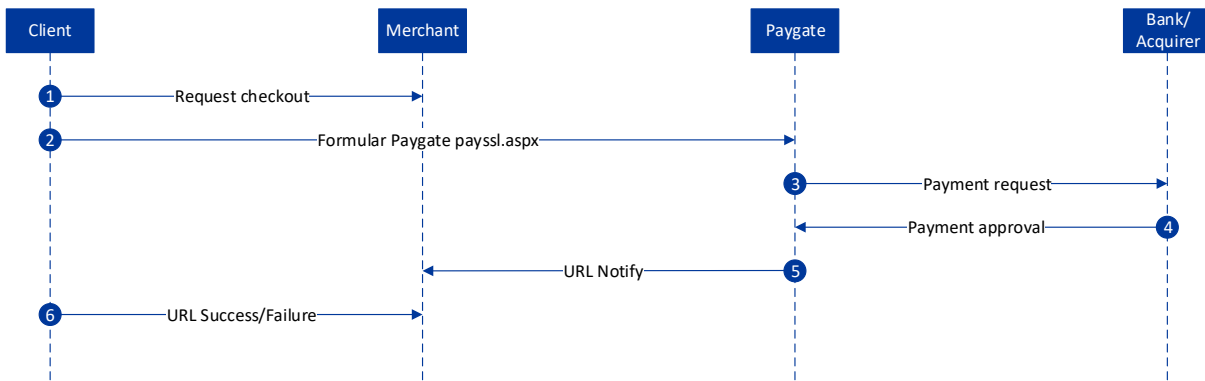


Integration of the PayU CEE platform is ideal for facilitating e-commerce in fast-growing eastern European countries, and covers the most popular payment methods now available in countries such as The Czech Republic, Hungary, Poland, Romania, Russia or Turkey. With an average internet usage rate of 60%, citizens of these countries provide an attractive market for expansion of international business.

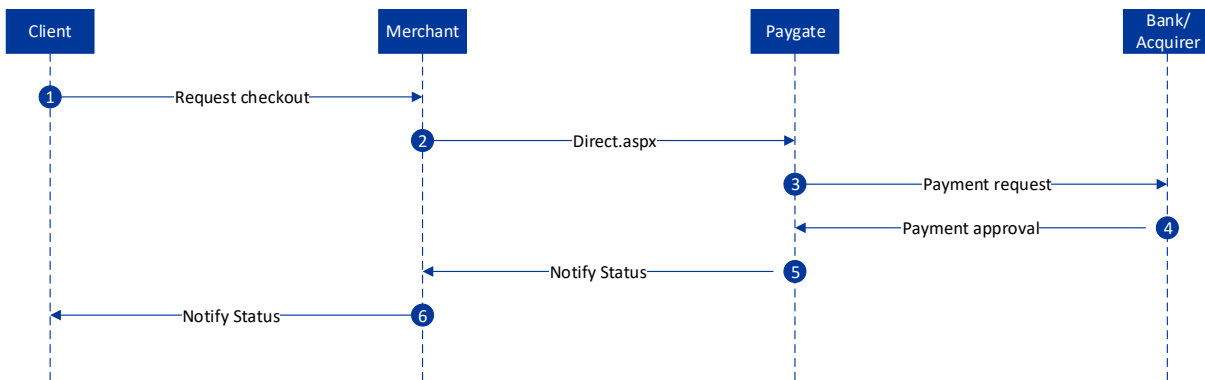
Process flow charts



PayU CEE process flow



Process flow PayU CEE via form interface payssl.aspx



Process flow PayU CEE via server-to-server interface direct.aspx

CONFIGURATION FOR PAYU CEE

For configuring PayU CEE some settings are necessary in the PayU back end. Calling the back end is carried out by calling the respective URL for each country:

Romania: <https://secure.payu.ro/cpanel/>

Russian Federation: <https://secure.payu.ru/cpanel/>

Hungary: <https://secure.payu.hu/cpanel/>

Turkey: <https://secure.payu.com.tr/cpanel/>

Activate the tab *Account settings* at *System settings*. In the section of notifications *IPN* or *Email Text & IPN* must be selected. Additionally the options *Canceled and returned orders* and *Complete orders* must be activated.

System settings ★ Add to favorites

Account settings | IPN settings

General

Commercial name:	Registration number:	VAT number:	Bank:	Bank account:	Swift:	Vendor code:
Computop GMBH	-	52117839				COMPTOP

APIs Settings

Merchant Integration Code:	Secret Key:	IPN URL:
COMPTOP		https://www.computop-paygate.com/payuceecomplete.aspx?merchantid=ct_testtest

Notifications

Type of notifications: ([Notifications help](#))

<input type="radio"/> Email Text	Send notifications for:
<input checked="" type="radio"/> IPN (Instant Payment Notification)	<input type="checkbox"/> Authorized orders
<input type="radio"/> Email Text & IPN	<input checked="" type="checkbox"/> Canceled and returned orders
<input type="radio"/> View IPN settings	<input checked="" type="checkbox"/> Complete orders

Now go to the tab *IPN settings*. Within the *URL* field enter the modified link in that form <https://www.computop-paygate.com/payuceecomplete.aspx?merchantid=MID> , but you must insert your own MID.

IPN settings

Account settings | IPN settings

URL

URL:

URL setting

Furthermore the parameters REFNO, REFNOEXT, ORDERSTATUS, IPN_TOTALGENERAL and CURRENCY must be activated.

<input type="checkbox"/> GIFT_ORDER	<input checked="" type="checkbox"/> FIRSTNAME_D	<input type="checkbox"/> IPN_LICENSE_EXPI
<input checked="" type="checkbox"/> SALEDATE	<input checked="" type="checkbox"/> LASTNAME_D	<input type="checkbox"/> IPN_DELIVEREDCODES
<input checked="" type="checkbox"/> PAYMENTDATE	<input type="checkbox"/> COMPANY_D	<input type="checkbox"/> IPN_DOWNLOAD_LINK
<input checked="" type="checkbox"/> COMPLETE_DATE	<input checked="" type="checkbox"/> ADDRESS1_D	<input type="checkbox"/> IPN_BUNDLE_DETAILS
<input checked="" type="checkbox"/> REFNO	<input checked="" type="checkbox"/> ADDRESS2_D	<input type="checkbox"/> IPN_BUNDLE_DELIVEREDCODES
<input checked="" type="checkbox"/> REFNOEXT	<input checked="" type="checkbox"/> CITY_D	<input type="checkbox"/> IPN_ORDER_COSTS
<input checked="" type="checkbox"/> ORDERNO	<input checked="" type="checkbox"/> STATE_D	<input type="checkbox"/> IPN_TOTAL
<input checked="" type="checkbox"/> ORDERSTATUS	<input checked="" type="checkbox"/> ZIPCODE_D	<input type="checkbox"/> IPN_TOTALGENERAL
<input checked="" type="checkbox"/> PAYMETHOD	<input type="checkbox"/> COUNTRY_D	<input checked="" type="checkbox"/> IPN_SHIPPING
<input checked="" type="checkbox"/> PAYMETHOD_CODE	<input checked="" type="checkbox"/> COUNTRY_D_CODE	<input checked="" type="checkbox"/> IPN_GLOBALDISCOUNT
<input checked="" type="checkbox"/> FIRSTNAME	<input checked="" type="checkbox"/> PHONE_D	<input type="checkbox"/> IPN_COMMISSION
<input checked="" type="checkbox"/> LASTNAME	<input checked="" type="checkbox"/> EMAIL_D	<input checked="" type="checkbox"/> IPN_DATE
<input type="checkbox"/> IDENTITY_NO	<input type="checkbox"/> IPADDRESS	<input type="checkbox"/> CARD_TYPE
<input type="checkbox"/> IDENTITY_ISSUER	<input type="checkbox"/> IPCOUNTRY	<input checked="" type="checkbox"/> CUSTOM_FIELDS
<input type="checkbox"/> IDENTITY_CNP	<input checked="" type="checkbox"/> CURRENCY	<input type="checkbox"/> IPN_PRODUCT_OPTIONS
<input type="checkbox"/> COMPANY	<input type="checkbox"/> LANGUAGE	<input type="checkbox"/> IPN_REFERRER
<input type="checkbox"/> REGISTRATIONNUMBER	<input checked="" type="checkbox"/> IPN_PID	<input type="checkbox"/> IPN_LINK_SOURCE
<input type="checkbox"/> FISCALCODE	<input checked="" type="checkbox"/> IPN_PNAME	<input type="checkbox"/> IPN_PAYMENT_DISCOUNT
<input type="checkbox"/> CBANKNAME	<input checked="" type="checkbox"/> IPN_PCDEF	<input type="checkbox"/> IPN_REC_CURRENT_ITERATION_NO
<input type="checkbox"/> CBANKACCOUNT	<input checked="" type="checkbox"/> IPN_INFO	<input type="checkbox"/> IPN_REC_ORIGINAL_REFNO
<input checked="" type="checkbox"/> ADDRESS1	<input checked="" type="checkbox"/> IPN_QTY	<input type="checkbox"/> IPN_REC_INTERVAL
<input checked="" type="checkbox"/> ADDRESS2	<input checked="" type="checkbox"/> IPN_PRICE	<input type="checkbox"/> IPN_REC_EXPIRATION_DATE
<input checked="" type="checkbox"/> CITY	<input checked="" type="checkbox"/> IPN_VAT	<input type="checkbox"/> IPN_REC_MULTPLIER
<input checked="" type="checkbox"/> STATE	<input checked="" type="checkbox"/> IPN_VER	<input type="checkbox"/> IPN_CC_TOKEN
<input checked="" type="checkbox"/> ZIPCODE	<input checked="" type="checkbox"/> IPN_DISCOUNT	<input type="checkbox"/> IPN_CC_MASK
<input type="checkbox"/> COUNTRY	<input type="checkbox"/> IPN_PROMONAME	<input type="checkbox"/> IPN_CC_EXP_DATE
<input checked="" type="checkbox"/> COUNTRY_CODE	<input type="checkbox"/> IPN_PROMOCODE	<input type="checkbox"/> SMS_SHORTCODE
<input checked="" type="checkbox"/> PHONE	<input type="checkbox"/> IPN_LICENSE_PROD	<input type="checkbox"/> SMS_PHONENUMBER
<input type="checkbox"/> FAX	<input type="checkbox"/> IPN_LICENSE_TYPE	<input type="checkbox"/> SMS_OPERATOR
<input checked="" type="checkbox"/> CUSTOMEREMAIL	<input type="checkbox"/> IPN_LICENSE_REF	

In the back end of PayU CEE additional parameters can be created. They will be displayed on the payment page and can/must be filled in by the customer.

If Customfields is selected within IPN Settings, Paygate will forward these parameters to the merchant.



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

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

Payment with PayU CEE via Paygate form interface

To make a payment with PayU CEE, go to the following URL:

<https://www.computop-paygate.com/payucee.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	Merchant transaction number, which must be unique

RefNr	ans..30	M	Unique reference number. Format must be mutually agreed beforehand with Computop!
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, three digits DIN / ISO 4217 Presently only TRY, RON, EUR and USD permitted.
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
URLSuccess	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 UserData .
URLFailure	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 UserData .
Response	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.
URLNotify	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 UserData parameter instead.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
ReqID	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.
Capture	ans..6	O	Determines the type and time of capture. AUTO : capturing immediately after authorisation (default value). MANUAL : capturing made by the merchant. <Number> : Delay in hours until the capture (whole number; 1 to 696).
OrderDesc	ans..768	M	Description of purchased goods, unit prices etc.
ArticleList(n)	ans..2048	M	Customer's article list in the form: ArticleList(n)= ArticleName,ArticleCode,UnitPrice,Quantity, VAT-rate,Type+ArticleName,ArticleCode,UnitPrice,Quantity,VAT-rate,Type+... ArticleList1 to max. ArticleList10 permissible Example: ArticleList1=article1,123456,100,1,16+article2, 321654,200,2,16 ArticleList2=article3,987654,100,2,16+article4, 654231,150,1,16
Discount	n..12	O	Discount in the smallest currency unit
ChargeAmount	n..12	O	Shipping costs. Amount in the smallest currency unit (e.g. EUR Cent)
AutoStart	bool	O	If you transfer the value 1 here you bypass the first page in the PayU-process. Important: This is possible only, if all necessary parameters are transferred.
Language	a2	O	Language: RO – Romanian EN – English HU – Hungarian DE – German FR – French IT – Italian ES – Spanish BG – Bulgarian PL – Polish RU – Russian
PayType	ans..25	O	Name of payment method to be executed Possible values for Romania : <Card> - VISA/MasterCard

			<p>Installment payments:</p> <p><BRDF> – BRDFinance Installment <STAR_BT> – Banca Transilvania's StarBT <CARD_AVANTAJ> – Credit Europe's CardAvantaj <ALPHABANK> – Alpha Bank</p> <p>Online bank transfers:</p> <p><TRANSFER_ING> – Internet banking with ING Home Bank <ITRANSFER_BCR> – Internet banking with Click24 Banking BCR <ITRANSFER_BT> – Internet banking with BT24</p> <p>Other:</p> <p><ZEBRA> – cash deposit with ZebraPay Self Service <PAYPAL> – PayPal payments <WIRE> – Bank Wire</p> <p>Possible values for Turkey:</p> <p><Card> - VISA/MasterCard</p> <p>Other:</p> <p><WEBMONEY> <QIWI> <MAILRU> <YANDEX> (not valid for new customers) <EUROSET_SVYAZNOI> <ALFACLICK> <BKM></p> <p>Value for merchants which have activated this method: <MASTERPASS></p>
InstallmentData	ans..24	OC	<p>Only for Channel=RO: Preconfiguration of possible number of rates Default value is the configuration from the PayU system „2,3,4,5,6,7,8,9,10,11,12“ – All are displayed for choosing „2,3,7,10,12“ – 2,3,7,10,12 are displayed for choosing „2“ – only 2 is displayed as an option „1“ – no installments possible</p>
InstallmentNumber	n..2	OC	<p>Only for Channel=TR: Number of months of the payment by instalments (1-12)</p>
Timeout	n..3	O	<p>Validity of transaction in seconds</p>
Channel	a2	O	<p>Channel (country) of payment (the default channel will be configured by Computop support): RO = Romania TR = Turkey RU = Russian Federation HU = Hungary UA = Ukraine</p>
Plain	ans..50	O	<p>A value to be set by the merchant to return some information unencrypted, e.g. the MID</p>
Custom	ans..1024	O	<p>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</p>
Billing address (PayU)			
bdFirstName	ans..128	M	<p>First name of the customer</p>
bdLastName	ans..128	M	<p>Last name of the customer</p>
bdStreet	ans..46	O	<p>Street name in the invoicing address</p>
bdAddressAddition	ans..60	O	<p>Address addition in the billing address</p>
bdCity	ans..40	O	<p>Name of town/city in the billing address</p>
bdZip	ans..8	O	<p>Postcode in the invoicing address</p>

bdState	ans..50	O	Federal state in the invoicing address
bdCountryCode	a2	O	Country code in the invoicing address according to ISO 3166
bdFax	ans..20	O	Customer's fax number
bdeMail	ans..128	M	Email address of the customer
bdPhone	ans..40	O	Customer's phone number
IdCardSeries	ans..3	O	Series of ID card
IdCardNumber	ans..20	O	Serial number of ID card
IdCardIssuer	ans..128	O	Issuer of ID card
NatIdentNr	ans..20	O	CNP of the customer
CompanyName	ans..200	O	Name of company
TaxNumber	ans..20	O	VAT Reg. No.
RegisterNumber	ans..20	O	Register of Companies number/commercial register
AccBank	ans..20	O	Bank name of the company
AccNr	ans..20	O	Account number of the company
Delivery address			
sdFirstName	ans..128	O	First name in the delivery address
sdLastName	ans..128	O	Surname in the delivery address
sdStreet	ans..46	O	Street name in the delivery address
sdAddressAddition	ans..60	O	Address addition in the delivery address
sdCity	ans..40	O	Town/city in the delivery address
sdZip	ans..8	O	Postcode in the delivery address
sdState	ans..50	O	Federal state of the delivery address
sdCountryCode	a2	O	Country code in the delivery address according to ISO 3166
sdeMail	ans..128	O	Email address in the delivery address
sdPhone	ans..40	O	Phone number in the delivery address

Parameters for payments with PayU CEE

The following table describes the result parameters that the Paygate transmits to your **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
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
RefNr	ans..30	O	Merchant's unique reference number
Status	a..30	M	OK, FAILED or AUTHORIZE_REQUEST. If 25 seconds after the redirect to Callback page no notify is received from PayU the status "AUTHORIZE_REQUEST", Code "00000000" and Description "REQUEST" ist submitted to the URLSuccess.

			At PayU Turkey AUTHORIZE_REQUEST is also possible, because the Notify is send a few minutes later
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)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
CodeExt	n..10	O	Error code from PayU, if agreed with Computop support
ErrorText	ans..256	O	Error text from PayU, if agreed with Computop support
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	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

Response parameters for URLSuccess and URLFailure with PayU CEE

The following table gives the results parameters which the Paygate transfers to **URLNotify**:

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
RefNr	ans..30	O	Merchant's unique reference 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)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
CodeExt	n..10	O	Error code from PayU, if agreed with Computop support
ErrorText	ans..256	O	Error text from PayU, if agreed with Computop support
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	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
AmountAuth	n..12	M	Actually authorized amount in the smallest currency unit.
Currency	a3	M	Currency, three digits DIN / ISO 4217
TransactionID	ans..25	O	RefNr from PayU system

PayType	ans..25	O	Name of used payment method (see above for possible values)
bdFirstName	ans..128	O	First name of the customer
bdLastName	ans..128	O	Last name of the customer
bdStreet	ans..46	O	Street name in the invoicing address
bdAddressAddition	ans..60	O	Address addition in the billing address
bdCity	ans..40	O	Name of town/city in the billing address
bdZip	ans..8	O	Postcode in the invoicing address
bdState	ans..50	O	Federal state in the invoicing address
bdCountryCode	a2	O	Country code in the invoicing address according to ISO 3166
bdFax	ans..20	O	Customer's fax number
bdeMail	ans..128	M	Email address of the customer
bdPhone	ans..40	O	Customer's phone number
IdCardSeries	ans..3	O	Series of ID card
IdCardNumber	ans..20	O	Serial number of ID card
IdCardIssuer	ans..128	O	Issuer of ID card
NatIdentNr	ans..20	O	CNP of the customer
CompanyName	ans..200	O	Name of company
TaxNumber	ans..20	O	VAT Reg. No.
RegisterNumber	ans..20	O	Register of Companies number/commercial register
AccBank	ans..20	O	Bank name of the company
AccNr	ans..20	O	Account number of the company
sdFirstName	ans..128	O	First name in the delivery address
sdLastName	ans..128	O	Surname in the delivery address
sdStreet	ans..46	O	Street name in the delivery address
sdAddressAddition	ans..60	O	Address addition in the delivery address
sdCity	ans..40	O	Town/city in the delivery address
sdZip	ans..8	O	Postcode in the delivery address
sdState	ans..50	O	Federal state of the delivery address
sdCountryCode	a2	O	Country code in the delivery address according to ISO 3166
sdeMail	ans..128	O	Email address in the delivery address
sdPhone	ans..40	O	Phone number in the delivery address
CustomParameter	ans..	O	If additional parameters are configured in the PayU backend these are returned with the prefix "custom_"; e.g. PayU Parameter = age = custom_age
InstallmentNumber	n..2	O	Number of months of the payment by instalments (1-12), default=1
CardProgram	ans..25	O	Name of the card programme which allows the instalment payment (see table of card programmes)

Return parameters for URLNotify with PayU CEE

Following table gives an overview of supported card programmes for instalment payments. Please note that new programmes can be added and the participating banks can be changed.

Card programme	Issuer
Advantage	T. İŞ BANKASI A.Ş.
AsyaCard	ASYA KATILIM BANKASI A.Ş.
Axess	AKBANK T.A.Ş. CITIBANK A.Ş. ODEA BANK A.Ş.
Bonus	TÜRK EKONOMİ BANKASI A.Ş. ŞEKERBANK T.A.Ş. T.GARANTİ BANKASI A.Ş. ING BANK A.Ş. DENİZBANK A.Ş. TÜRKİYE FİNANS
Cardfinans	FINANS BANK A.Ş.
Maximum	T.C.ZİRAAT BANKASI A.Ş. T. İŞ BANKASI A.Ş.
Paraf	T.HALK BANKASI A.Ş.
World	T.VAKIFLAR BANKASI T.A.O. YAPI VE KREDİ BANKASI A.Ş. ANADOLUBANK A.Ş. ALBARAKA TÜRK

Supported card programmes for instalment payments

Credit card payment with PayU CEE via Paygate form interface

In order to process a SSL credit card payment with PayU via a Paygate form, go to the following URL:

<https://www.computop-paygate.com/payssl.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	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!
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, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..768	M	Description of purchased goods, unit prices etc.
URLSuccess	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 UserData .

URLFailure	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 UserData .
Response	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.
URLNotify	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 UserData parameter instead.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
Capture	ans..6	O	Determines the type and time of capture. AUTO : capturing immediately after authorisation (default value). MANUAL : capturing made by the merchant. <Number> : Delay in hours until the capture (whole number; 1 to 696).
ReqID	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.
ArticleList(n)	ans..2048	M	Customer's article list in the form: Articlelist(n)= ArticleName,ArticleCode,UnitPrice,Quantity, VAT-rate,Type+ArticleName,ArticleCode,UnitPrice,Quantity,VAT-rate,Type+... Articlelist1 to max. Articlelist10 permissible Example: Articlelist1=article1,123456,100,1,16+article2, 321654,200,2,16 Articlelist2=article3,987654,100,2,16+article4, 654231,150,1,16
ChargeAmount	n..12	O	Shipping costs. Amount in the smallest currency unit (e.g. EUR Cent)
Channel	a2	O	Channel (country) of payment (the default channel will be configured by Computop support): RO = Romania TR = Turkey RU = Russian Federation HU = Hungary UA = Ukraine
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	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
Installments (PayU)			
InstallmentNumber	n..2	O	Number of months of the payment by instalments (1-12), default=1
CardProgram	ans..25	O	Name of the card programme which allows the instalment payment (see table of card programmes)
Campaign	a5	O	Defines the campaign to be used for the instalments. Extra=EXTRA_INSTALLMENTS Delay=DELAY_INSTALLMENTS
Loyalty points (PayU)			
PointAmount	n..12	O	Amount of the Loyalty points to be used in the smallest currency unit
Invoicing address			
bdFirstName	ans..128	M	First name of the customer
bdLastName	ans..128	M	Last name of the customer
bdStreet	ans..46	O	Street name in the invoicing address

bdAddressAddition	ans..60	O	Address addition in the billing address
bdCity	ans..40	O	Name of town/city in the billing address
bdZip	ans..8	O	Postcode in the invoicing address
bdState	ans..50	O	Federal state in the invoicing address
bdCountryCode	a2	M	Country code in the invoicing address according to ISO 3166
bdFax	ans..20	O	Customer's fax number
bdeMail	ans..128	M	Email address of the customer
bdPhone	ans..40	O	Customer's phone number
Delivery address			
sdFirstName	ans..128	O	First name in the delivery address
sdLastName	ans..128	O	Surname in the delivery address
sdStreet	ans..46	O	Street name in the delivery address
sdAddressAddition	ans..60	O	Address addition in the delivery address
sdCity	ans..40	O	Town/city in the delivery address
sdZip	ans..8	O	Postcode in the delivery address
sdState	ans..50	O	Federal state of the delivery address
sdCountryCode	a2	O	Country code in the delivery address according to ISO 3166
sdeMail	ans..128	O	Email address in the delivery address
sdPhone	ans..40	O	Phone number in the delivery address

Parameters for credit card payments with PayU

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
Template	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".
Background	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
BGColor	ans..7	M	Form background colour: - HTML-colour value for background colour as HEX value or - HTML-colour name
BGImage	ans..256	M	Form background image: URL for a background image Please note that this value supersedes "BGColor".
FColor	ans..6	M	Text colour: - HTML-colour value as HEX value or - HTML-colour name
FFace	a..10	M	HTML-name for the font
FSize	n2	M	Number for font size

Language	a2 (enum)	M	Language code: <de> German, <al> Albanian, <at> Austrian, <cz/cs> Czech, <dk> Danish, <en> English, <fi> Finish, <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.
CCSelect	a..10	M	Determines preselected card type in the form: VISA, MasterCard
URLBack	ans..256	M	URL for "Cancel" button
Center	n1	M	By default the form is centered vertically and horizontally. The value <1> centres the form at the top.
tWidth	ans..4	M	Width of table for input of the credit card data as percent- (50%) or pixel values (320).
tHeight	ans..4	M	Height of table for input of the credit card data as percent- (70%) or pixel values (480).

Layout parameters for Paygate forms for credit card payments with PayU

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

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, FAILED or AUTHORIZE_REQUEST. If 25 seconds after the redirect to Callback page no notify is received from PayU the status "AUTHORIZE_REQUEST", Code "00000000" and Description "REQUEST" ist submitted to the URLSuccess.
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)
CodeExt	ans..10	O	Error code from PayU, if agreed with Computop support
ErrorText	ans..256	O	Error text from PayU, if agreed with Computop support
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
RefNr	ans..30	O	Merchant's unique reference number
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
PCNr	n..16	O	Pseudo Card Number: Random number generated by Paygate which represents a genuine credit card number. The pseudo card number (PCN) starts with 0 and the last 3 digits correspond to those of the real card number. You can use the PCN like a genuine card number for authorisation, capture and credits.
CCBrand	a..22	O	In combination with PCNr: Name of credit card brand like Visa, MasterCard
CCEpiry	n6	O	In combination with PCNr: Expiry date of the credit card in the format YYYYMM.
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
AmountAuth	n..12	MC	Only to URLNotify: Actually authorized amount in the smallest currency unit. For installment payments the charges are added automatically to the initial amount.
Currency	a3	MC	Only to URLNotify: Currency, three digits DIN / ISO 4217

InstallmentNumber	n..2	OC	Only to URLNotify: Number of months of the payment by instalments (1-12), default=1
CardProgram	ans..25	OC	Only to URLNotify: Name of the card programme which allows the instalment payment (see table of card programmes)
PayType	ans..25	OC	Only to URLNotify: Name of used payment method (see above for possible values)
Plain	ans..50	O	A value to be set by the merchant to return some information unencrypted, e.g. the MID
Custom	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

Return parameters for URLSuccess, URLFailure and URLNotify with PayU CEE

Credit card payment via Server-to-Server connection

In order to execute an SSL credit card payment with PayU via a server-to-server connection, call the following URL:

<https://www.computop-paygate.com/direct.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	Merchant's transaction number
RefNr	ans..30	M	Merchant's unique reference number
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, three digits DIN / ISO 4217
Capture	ans..6	O	Determines the type and time of capture. AUTO : capturing immediately after authorisation (default value). MANUAL : capturing made by the merchant. <Number> : Delay in hours until the capture (whole number; 1 to 696).
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
CCNr	n..19	M	Credit card number at least 12-digit, numerical without spaces. You can optionally transmit also a pseudo card number (PCN)
CCCVC	n..4	O	Card verification number: The last 3 digits on the signature strip of the credit card. 4 characters in the case of AMEX.
CCEpiry	n6	M	Credit card expiry date (YYYYMM), e.g. 201607
CCBrand	a..22	M	Card type: VISA, MasterCard . Please note the spelling!
CreditCardHolder	ans..60	O	Name of the card holder
OrderDesc	ans..768	M	Description of purchased goods, unit prices etc.

Paygate interface: Credit card payment via Server-to-Server connection

ReqID	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.
ArticleList(n)	ans..2048	M	Customer's article list in the form: Articlelist(n)= ArticleName,ArticleCode,UnitPrice,Quantity, VAT-rate,Type+ArticleName,ArticleCode,UnitPrice,Quantity,VAT-rate,Type+... Articlelist1 to max. Articlelist10 permissible Example: Articlelist1=article1,123456,100,1,16+article2, 321654,200,2,16 Articlelist2=article3,987654,100,2,16+article4, 654231,150,1,16
ChargeAmount	n..12	M	Shipping costs. Amount in the smallest currency unit (e.g. EUR Cent)
Channel	a2	O	Channel (country) of payment (the default channel will be configured by Computop support): RO = Romania TR = Turkey RU = Russian Federation HU = Hungary UA = Ukraine
Installments (PayU)			
InstallmentNumber	n..2	O	Number of months of the payment by instalments (1-12), default=1
CardProgram	ans..25	O	Name of the card programme which allows the instalment payment (see table of card programmes)
Campaign	a5	O	Defines the campaign to be used for the instalments. Extra=EXTRA_INSTALLMENTS Delay=DELAY_INSTALLMENTS
Loyalty points (PayU)			
PointAmount	n..12	O	Amount of the Loyalty points to be used in the smallest currency unit
Invoicing address			
bdFirstName	ans..128	M	First name of the customer
bdLastName	ans..128	M	Last name of the customer
bdStreet	ans..46	O	Street name in the invoicing address
bdAddressAddition	ans..60	O	Address addition in the billing address
bdCity	ans..40	O	Name of town/city in the billing address
bdZip	ans..8	O	Postcode in the invoicing address
bdState	ans..50	O	Federal state in the invoicing address
bdCountryCode	a2	M	Country code in the invoicing address according to ISO 3166
bdFax	ans..20	O	Customer's fax number
bdeMail	ans..128	M	Email address of the customer
bdPhone	ans..40	O	Customer's phone number
Delivery address			
sdFirstName	ans..128	O	First name in the delivery address
sdLastName	ans..128	O	Surname in the delivery address
sdStreet	ans..46	O	Street name in the delivery address
sdAddressAddition	ans..60	O	Address addition in the delivery address
sdCity	ans..40	O	Town/city in the delivery address

sdZip	ans..8	O	Postcode in the delivery address
sdState	ans..50	O	Federal state of the delivery address
sdCountryCode	a2	O	Country code in the delivery address according to ISO 3166
sdeMail	ans..128	O	Email address in the delivery address
sdPhone	ans..40	O	Phone number in the delivery address

Parameters for credit card payments with PayU CEE via socket connection

The following table gives the parameters with which Paygate responds:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment Important for future reference
XID	an32	M	ID assigned by Paygate for the payment transaction
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)
CodeExt	ans..10	O	Error code from PayU, if agreed with Computop support
ErrorText	ans..256	O	Error text from PayU, if agreed with Computop support
RefNr	ans..30	O	Merchant's unique reference number
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
PCNr	n..16	O	Pseudo Card Number; random number generated by Paygate which represents a genuine credit card number. The pseudo card number (PCN) starts with 0 and the last 3 digits correspond to those of the real card number. You can use the PCN like a genuine card number for authorisation, capture and credits.
CCBrand	a..22	O	In combination with PCNr: Description of the credit card brand including VISA, MasterCard, AMEX, DINERS, Elo, Aura or Hipercard
CCEpiry	n6	O	In combination with PCNr: Expiry date of the credit card in the format YYYYMM.
InstallmentNumber	n..2	O	Number of months of the payment by instalments (1-12), default=1
CardProgram	ans..25	O	Name of the card programme which allows the instalment payment (see table of card programmes)
PayType	ans..25	O	Name of used payment method (see above for possible values)

Result parameters for socket connection with PayU CEE

Capture of a credit card payment with PayU CEE

Captures are possible via a Server-to-Server connection. To carry out a Capture for a credit card payment with PayU CEE via a Server-to-Server connection please use the following URL:

<https://www.computop-paygate.com/capture.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 to be captured
TransID	ans..64	M	TransactionID which should be unique for each payment
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
RefNr	ans..30	O	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!
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for captures of PayU CEE via socket connections

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)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
RefNr	ans..30	O	Merchant's unique reference number
CodeExt	n..10	O	Error code from PayU, if agreed with Computop support
ErrorText	ans..256	O	Error text from PayU, if agreed with Computop support

Response parameters for captures of PayU CEE via socket connections

Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. For a Credit with reference to a capture 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>

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 to be credited
TransID	ans..64	M	TransactionID which should be unique for each payment
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
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..768	O	Description of refunded goods, unit prices, merchant's comment etc.

Parameters for credit payments with PayU CEE via socket connection

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)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
CodeExt	n..10	O	Error code from PayU, if agreed with Computop support
ErrorText	ans..256	O	Error text from PayU, if agreed with Computop support

Response parameters for credit payments with PayU CEE via socket connection

BATCH PROCESSING VIA THE INTERFACE

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

This section describes the parameters which must be transferred within the data set (**Record**) for executing payments / credits with PayU CEEE 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)
Credit	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 PayU CEE payment within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
CC,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
CC,Credit,<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
Type	a..11	M	HEAD for Header, FOOT for Footer, CC for credit card
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit
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	ns..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 as follows:

```
HEAD,<MerchantID>,<Date>,<Version>
CC,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>,<Status>,<Code>
CC,Credit,<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
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit
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