



paysafecard

Integration Guide

Version 6.2.2

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Document history

Date	Name	Change
14.02.2017	Peter Posse	TransactionID added
04.10.2016	Peter Posse	First version based on Paygate Manual 6.10

ABOUT PAYSAFECARD

General information about paysafecard

Paysafecard is a prepaid card that consumers buy in shops in order to subsequently shop online. Since this is a prepaid means of payment, this system is free from chargebacks. In addition it offers merchants a payment guarantee.

Paysafecard is widespread in the gaming, gambling and adult content sectors. The previous Wallie-card has now been adopted into the paysafecard system. You can tap into additional target groups with this prepaid system:

- customers who do not want to disclose personal data such as bank account or credit card number
- young people who are denied access to classic payment systems such as credit cards
- customers who do not obtain a credit card from their bank
- as well as customers who prefer to pay with paysafecard

The prepaid system is international: the paysafecard Group operates in 27 countries in Europe as well as in North and Latin America and processes around 20 million prepaid payments annually.



paysafecard is a prepaid card which is a widespread micropayment method for gaming, gambling and adult-content.

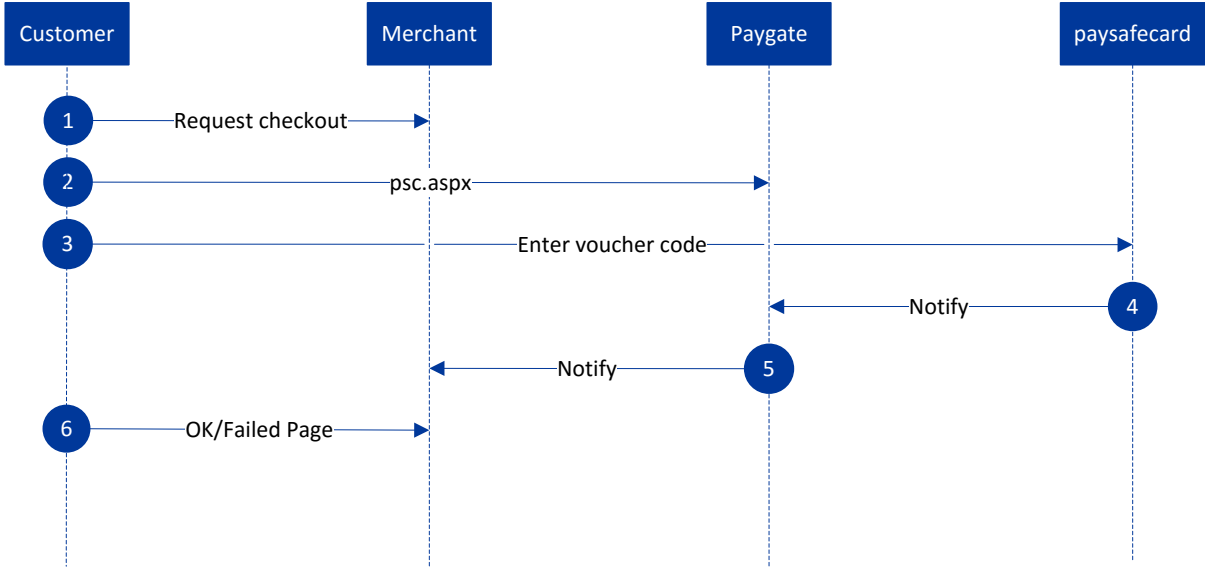
Further information can be found on the webpage of paysafecard (www.paysafecard.com).

Connections to paysafecard

You can link paysafecard payment methods either directly or via PPRO. If via PPRO, all transactions are posted as sales without further posting. However cancellation and batch processing is not possible. In this case the additional PPRO parameters are required.

With direct connection via the Computop Paygate the merchant can choose whether to carry out sales transactions or separately posted transactions. Please contact Computop Support for help with the necessary merchant configuration. In the variant with separate posting you can also carry out cancellations for the whole amount or for amounts not yet posted. In addition in this case batch processing is also possible for postings and cancellations.

Process flow chart



paysafecard process flow

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

Payment with paysafecard via Paygate form interface

To make a payment with paysafecard over a Paygate form, go to the following URL:

<https://www.computop-paygate.com/psc.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	ns..30	O	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
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..768	M	Description of delivered products, services etc.
Capture	a..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. paysafecard permits max. 1 hour delay until the capture. Other values must be agreed upon bilaterally.
Language	a2	O	Language: <de> German (default), <en> English
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.
CustomerID	ans..50	M	ID for uniquely identifying the customer
DispositionRestrictionAge	n..3	O	Age restriction for the paysafecard user account
DispositionRestrictionKYC	ans..20	O	Restriction of KYC level (Know Your Customer)
DispositionRestrictionCountry	a2	O	Restriction to a given country. Two characters country code according to ISO 3166

SubID	ans..8	O	Support for reporting filters for paysafecard payments; must be agreed with paysafecard.
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
Additional parameters for connection via PPRO			
AccOwner	ans..50	M	Name of account holder
AddrCountryCode	a2	M	Two characters country code according to ISO 3166
SellingPoint	ans..50	O	Selling point
Service	ans..50	O	products or service sold
Channel	ans..64	O	configuration channel of the PPRO contract (account and ContractID are stored in the system). If it exists, it may overwrite channels stored in the system

Parameters for payments with paysafecard

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 for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
RefNr	ns..30	O	Merchant's unique reference number
Status	a..30	M	OK in the case of URLSuccess and AUTHORIZE_REQUEST or FAILED in the case of URLFailure
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
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
Additional parameters for connection via PPRO			
PaymentGuarantee	a..12	C	NONE = no payment guarantee, VALIDATED = customer account valid, but no payment guarantee, FULL = payment guarantee Notice: This parameter is only returned if the Status=OK.
ErrorText	ans..256	C	Detailed PPRO error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.



TransactionID	an..20	O	Unique transaction number from PPRO
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Return parameters for URLSuccess, URLFailure and URLNotify with paysafecard

Capture of a payment with paysafecard

Captures are possible via a Server-to-Server connection. Captures are possible only if you have a direct connection to paysafecard and if this is configured for the merchant at Computop. To carry out a Capture for paysafecard 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..40	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	a3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for captures of paysafecard 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..40	M	TransactionID which should be unique for each payment
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)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Response parameters for captures of paysafecard via socket connections

Reversal

Reversals are possible via a Server-to-Server connection. Reversals are possible only if you have a direct connection to paysafecard and if this is configured for the merchant at Computop. The Paygate permits only reversals that reference on a capture previously made via Paygate. Depending on the previous transaction status all as-yet unposted amounts can be cancelled.

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

<https://www.computop-paygate.com/reverse.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 reverted
TransID	ans..40	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	a3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for reversal of payments with paysafecard 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..40	M	TransactionID which should be unique for each payment
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

Response parameters for reversals of paysafecard via socket connections

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 of payments / reversal for paysafecard and which information can be found within the response file about the payment status. Batch processing is possible only if you have a direct connection to paysafecard and if this is configured for the merchant at Computop.

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 paysafecard payment within a Batch file to be submitted is the following:

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

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

Parameter	Format	CND	Description
Type	a..11	M	HEAD for Header, FOOT for Footer, Paysafecard for paysafecard
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..40	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 the following way:

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

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

Parameter	Format	CND	Description
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