

# Generation of PBAN or PCNr

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## 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-DDThh:mm:ss)

#### Abbreviations

Abbreviation	Description	Comment
CND	condition	
M	mandatory	If a parameter is mandatory, then it must be present
O	optional	If a parameter is optional, then it can be present, but it is not required
C	conditional	If a parameter is conditional, then there is a conditional rule which specifies whether it is mandatory or optional

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

## Generation of PBAN or PCNr

Some non-PCI DSS-compliant merchants need to store IBAN or CCNr in advance (without making a payment) for future payments.

As a solution a endpoint, which receives IBAN/CCNr and returns PBAN/PCNr (using **CT tokenization function**), was introduced.

## Requirements

1. New endpoint **getToken.aspx** was introduced.
2. Basic IBAN check and CCNr check (**validation of check sum**) should be performed at generating token (PBAN or PCNr).
3. The **Blacklist** is not checked at token generation. Blacklist will be checked when a merchant sends a payment request using the token.

## Authentication

Blowfish encryption and HMAC verification as for standard credit card interfaces in Paygate.

## Calling the interface

In order to generate a PBAN or PCNr from submitted data, please use the following URL:

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


**Notice:** For security reasons, Computop 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](#):

Key	Format	CND	Description
<a href="#">MerchantID</a>	ans..30	M	MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.
<a href="#">TransID</a>	ans..64	M	TransactionID provided by you which should be unique for each payment
AccountNumber	ans..64	M	IBAN or CCNr (based on parameter AccountType)
AccountType	a4	O	Possible values: "IBAN", "CCNr" Default value: "IBAN"

Parameters for generating a PBAN or PCNr

The following table describes the result parameters with which the Computop Paygate responds to your system

 pls. be prepared to receive additional parameters at any time and do not check the order of parameters

 the key (e.g. mid, RefNr) should not be checked case-sensitive

Key	Format	CND	Description
<a href="#">mid</a>	ans..30	M	MerchantID, assigned by Computop
<a href="#">PayID</a>	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files as well as for capture or credit request.
Status	a..20	M	Status of the request. Possible values: "OK", "FAILED"
Description	ans..1024	M	Further details in the event that the request is not successful
<a href="#">Code</a>	an8	M	Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )
PseudoAccountNumber	ans..64	M	PBAN or PCNr
AccountType	a4	M	Possible values: "PBAN", "PCNr"

Response parameters for generating a PBAN or PCNr