

# Riverty (AfterPay) SCA

## About Riverty (AfterPay) SCA

### General information about Riverty (AfterPay) SCA

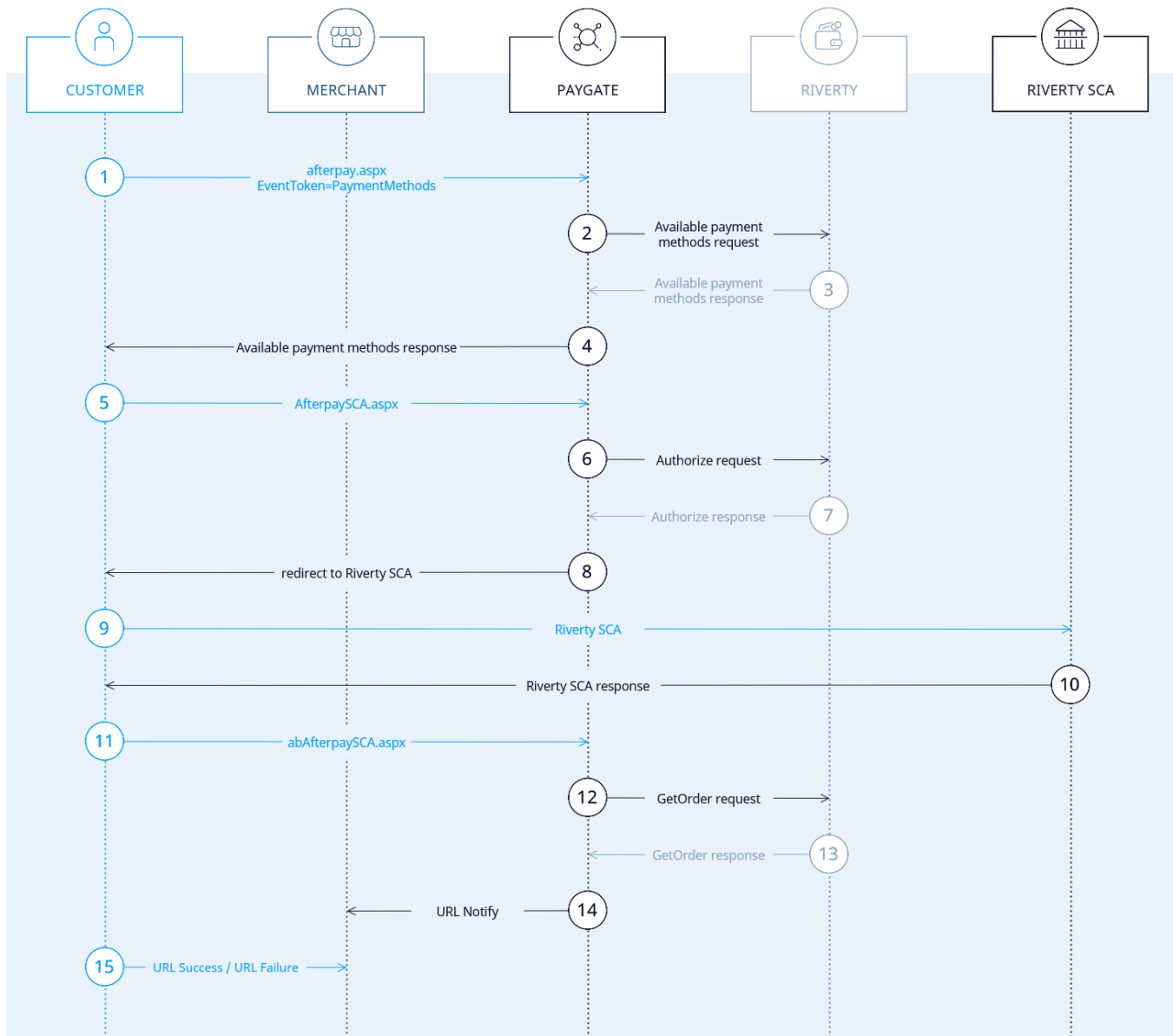
|      |                                                                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Logo |                                                                                                                                                                                                                               |
| Info | Riverty (AfterPay) SCA offers purchase on account after delivery. Buyers can pay for articles by invoice, direct debit or installment. There is no risk of fraud or payment default for the merchant. After a credit check, Riverty assumes the entire end customer payment default risk for each transaction. |
| Type | <a href="#">Payments by Invoice and Installments</a>                                                                                                                                                                                                                                                           |

Further information can be found on the website of Riverty (<https://www.riverty.com/en/>).

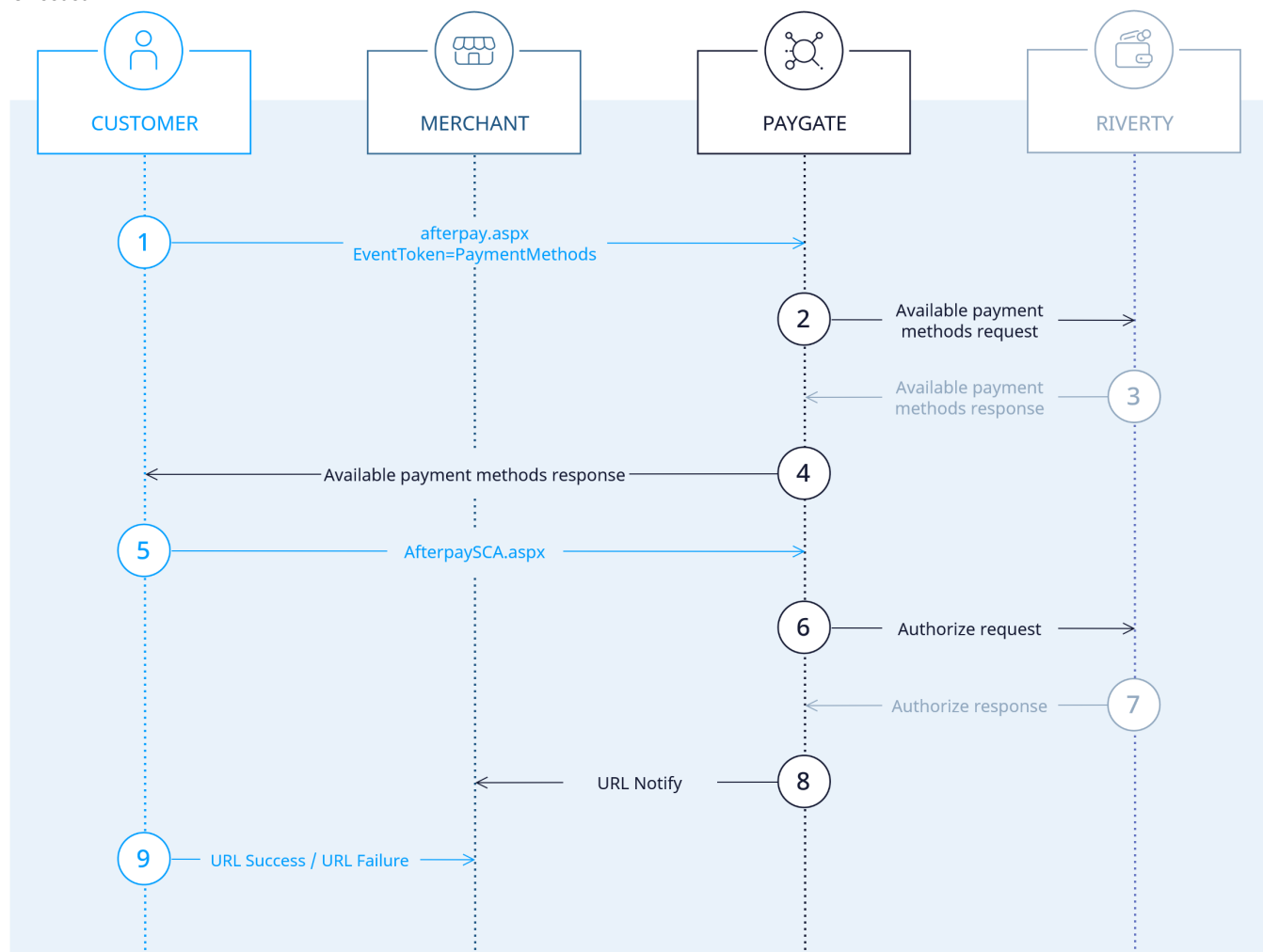
## On this page

- [About Riverty \(AfterPay\) SCA](#)
  - [General information about Riverty \(AfterPay\) SCA](#)
  - [Process Flow Chart](#)
- [Paygate interface](#)
  - [Definitions](#)
    - [Data formats](#)
    - [Abbreviations](#)
  - [Query about available payment types \(two-stage authorisation\)](#)
  - [Calling the interface for one-stage authorisation](#)
  - [Capture](#)
  - [Credit with reference](#)
  - [Reverse](#)
- [Batch processing via the interface](#)
- [JSON Objects](#)
  - [CustomerRisk](#)
    - [Example CustomerRisk as JSON string](#)
  - [Order](#)
    - [OrderRisk](#)
    - [OrderItem](#)
    - [Example of Order as JSON string](#)
  - [AllowedPayMethods](#)
    - [PaymentMethod](#)
    - [AccountProduct](#)
    - [DirectDebitInfo](#)
    - [CampaignInfo](#)
    - [InstallmentInfo](#)
    - [LegalInfo](#)
    - [Example of AllowedPaymentMethods as JSON string](#)
  - [Address](#)
    - [Example of Address as JSON string](#)
  - [OrderSummary](#)
    - [Example of OrderSummary as JSON string](#)
  - [ShippingData](#)
    - [ShippingDetails](#)
    - [Example of ShippingData as JSON string](#)
  - [RefundOrder](#)
    - [RefundOrderItem](#)
    - [Example of RefundOrder as JSON string](#)

## Process Flow Chart



Alternative process flow, if authorize response in step 7 does not receive outcome=Pending and code=200.019. In this case no additional verification is needed.



## 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.

## Query about available payment types (two-stage authorisation)

Riverty differentiates between one-stage and two-stage authorisation. One-stage authorisation is designed for merchants who only use the normal method of payment by invoice in their checkout. Two-stage authorisation permits, for a specific shopping basket, a query of the available payment types and a request for further information.

In order to process two-stage authorisation with Riverty via server-to-server communication, please use the following URL:

<https://www.computop-paygate.com/afterpay.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.                                                                                                                                                              |
| TransID                    | ans..18   | C   | TransactionID which should be unique for each payment.<br>The parameter <b>is not</b> required for EventToken="Return".                                                                                                                                            |
| RefNr                      | ns..30    | C   | Unique reference number.<br>The parameter <b>is not</b> required for EventToken="Return".                                                                                                                                                                          |
| PayID                      | an32      | C   | ID assigned by Paygate for the payment in scope of which goods were returned.<br>The parameter <b>is</b> required only for EventToken="Return".                                                                                                                    |
| InvoiceNr                  | ans..30   | C   | Invoice number that is displayed within Riverty portal. An order can contain more than one invoice.<br>The parameter <b>is</b> required only for EventToken="Return".                                                                                              |
| <a href="#">Amount</a>     | n..10     | M   | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).                                                                                         |
| <a href="#">Currency</a>   | a3        | M   | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                                                                                                        |
| <a href="#">MAC</a>        | an64      | M   | Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>                   |
| <a href="#">UserData</a>   | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                                                                                                       |
| EventToken                 | a..19     | M   | The two-stage process is triggered by the transfer of "PAYMENTMETHODS".<br><br>Value "Return" triggers return notification (merchant notifies Riverty that a customer has returned some goods, and a payment from the customer should not be expected by Riverty). |

|                  |           |   |                                                                                                                                                                                              |
|------------------|-----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AddrCountry Code | a2        | M | Country code<br>„NO“, „SE“, „FI“, „DK“, „DE“, „AT“, „CH“, „NL“, „BE“                                                                                                                         |
| Order            | ans..1024 | M | Order information as JSON string in <a href="#">Base64</a> format.<br><br>See JSON object: <a href="#">Order</a><br><br>For EventToken="Return", see JSON object <a href="#">RefundOrder</a> |

Parameters for payments with Riverty (AfterPay) SCA

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.                                                              |
| <a href="#">XID</a>         | an32      | M   | ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate                                                                           |
| TransID                     | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                              |
| RefNr                       | ns..30    | O   | Unique reference number                                                                                                                                                            |
| <a href="#">Status</a>      | a..50     | M   | OK or AUTHORIZED ( <a href="#">URLSuccess</a> ) as well as FAILED ( <a href="#">URLFailure</a> )                                                                                   |
| <a href="#">Description</a> | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis! |
| <a href="#">Code</a>        | an8       | M   | Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )                                                                                                  |
| <a href="#">UserData</a>    | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                       |
| CodeExt                     | n..10     | O   | Error code from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |
| ErrorText                   | ans..1024 | O   | Error text from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |
| AllowedPayMethods           | ans..1024 | O   | Permissible payment methods as JSON string in the <a href="#">Base64</a> format<br>(see JSON objects: <a href="#">AllowedPayMethods</a> )                                          |

Result parameters for Riverty

The second stage involves the transfer of the customer and order data as well as payment type and, if relevant, further information relating to the payment type.

To complete the second step, please use the following URL:

<https://www.computop-paygate.com/afterpaySCA.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="#">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. |
| TransID                    | ans..18 | M   | TransactionID which should be unique for each payment                                                                 |
| RefNr                      | ns..30  | O   | Unique reference number                                                                                               |

|                            |          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|----------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amount                     | n..10    | M | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Currency                   | a3       | M | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MAC                        | an64     | M | Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <a href="#">URLSuccess</a> | 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 <a href="#">UserData</a> . <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate</li> <li>However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.</li> </ul>                             |
| <a href="#">URLFailure</a> | 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 <a href="#">UserData</a> . <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate</li> <li>However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.</li> </ul>                 |
| Response                   | a7       | O | Status response sent by Paygate to <a href="#">URLSuccess</a> and <a href="#">URLFailure</a> , should be encrypted. For this purpose, transmit <a href="#">Response=encrypt</a> parameter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <a href="#">URLNotify</a>  | 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 <a href="#">UserData</a> parameter instead. <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>Before follow-up actions (capture / credit / reversal) are carried out on an existing transaction, the first Notify must have been answered by the shop.</li> <li>Fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess /URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.</li> </ul> |
| PayType                    | a..19    | M | Payment method: <p>"Invoice" for Invoice<br/> "Account" for flexible payment plan<br/> "Installment" for payment by instalment<br/> "ConsolidatedInvoice" for consolidated invoice</p> <p>For Direct Debit option parameter <b>PayType</b> has to be set to "Invoice" and parameter <b>IBAN</b> has to be filled.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| bdCompanyOrPerson          | a..7     | M | Customer category: <p>„Company“<br/> „Person“ (default value)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SocialSecurityNumber       | ans..16  | C | Required: FI, NO, SE. Optional: AT, BE, CH, DE, DK, NL.<br><p>Social security number for a person in Sweden. Registration number in case of a company. This parameter is linked to the parameter <b>bdCompanyOrPerson</b>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LegalForm                  | ans..50  | O | Legal form of company. This parameter is linked to the parameter <b>bdCompanyOrPerson</b> .<br><p>Possible values:</p> <p>For Germany: AG, AG &amp; Co. KG, eG, EK, e.V., GbR, GmbH, GmbH &amp; Co. KG, KG, OHG, UG</p> <p>For Austria: AG, AG &amp; Co. KG, eG, EK, e.V., GesbR, GmbH, GmbH &amp; Co. KG, KG, OHG, UG</p> <p>For Switzerland: AG, eG, e.V.</p>                                                                                                                                                                                                                                                                                                                                                                                                    |
| AddrCountryCode            | a2       | O | Country code: <p>„NO“, „SE“, „FI“, „DK“, „DE“, „AT“, „CH“, „NL“, „BE“</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AddrZip                    | ans..10  | M | Postcode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AddrStreet                 | ans..80  | M | Street name or packstation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| AddrStreetNr               | a..50    | O | Street number or packstation number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                 |           |   |                                                                                                                                                                                                                                                                                                                |
|-----------------|-----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AddrStreetNr2   | ans..10   | O | Street number addition                                                                                                                                                                                                                                                                                         |
| AddrCity        | ans..100  | M | City                                                                                                                                                                                                                                                                                                           |
| careOf          | ans..50   | O | Care of.<br><br>Intermediary who is responsible for transferring a piece of mail between the postal system and the final addressee. For example Jane c/o John ("Jane at John's address"). This field has to be used for company, authority and organization names as well – e. g. "Sportverein Blau-Weiß e.V." |
| FirstName       | ans..50   | M | First name                                                                                                                                                                                                                                                                                                     |
| LastName        | ans..50   | M | Last name                                                                                                                                                                                                                                                                                                      |
| CustomerId      | ans..20   | O | Unique customer number                                                                                                                                                                                                                                                                                         |
| Salutation      | a..4      | O | Salutation:<br><br>„Mr“<br><br>„Mrs“<br><br>„Miss“                                                                                                                                                                                                                                                             |
| bdEmail         | ans..100  | M | E-mail address                                                                                                                                                                                                                                                                                                 |
| bdPhone         | ns..20    | O | Telephone number                                                                                                                                                                                                                                                                                               |
| bdMobileNo      | ns..20    | M | Mobile number                                                                                                                                                                                                                                                                                                  |
| DateOfBirth     | an10      | M | Date of birth in the format YYYY-MM-DD. Not applicable to companies.                                                                                                                                                                                                                                           |
| bdCompany       | ans..255  | C | Purchasing company name.<br><br>Required if bdCompanyOrPerson is 'Company'.                                                                                                                                                                                                                                    |
| VatID           | ans..50   | C | VAT registration number, the unique number that identifies a business.<br><br>The field is mandatory for processing B2B transactions for Germany.                                                                                                                                                              |
| CustomerRisk    | ans..1024 | M | Risk-relevant data as JSON string in <a href="#">Base64</a> format (see JSON objects: <a href="#">CustomerRisk</a> )<br><br>Merchants can conduct external risk checks and send this information to Rivery.                                                                                                    |
| Language        | a2        | O | Language: "NO", "SE", "FI", "DK", "EN", "DE", "NL", "FR" permitted                                                                                                                                                                                                                                             |
| CompanyOrPerson | a..7      | C | Customer category for delivery address:<br><br>„Company“<br><br>„Person“ (default value)<br><br>Required if any of sd-fields (refer below) is provided.                                                                                                                                                        |
| sdCountryCode   | a2        | O | Country code of the delivery address: „NO“, „SE“, „FI“, „DK“, „DE“, „AT“, „CH“, „NL“, „BE“                                                                                                                                                                                                                     |
| sdZip           | ans..10   | O | Postcode in the delivery address                                                                                                                                                                                                                                                                               |
| sdStreet        | ans..80   | O | Street name or packstation of the delivery address                                                                                                                                                                                                                                                             |
| sdStreetNr      | a..50     | O | Street number or packstation number of the delivery address                                                                                                                                                                                                                                                    |
| sdStreetNr2     | ans..10   | O | Street number addition of the delivery address                                                                                                                                                                                                                                                                 |
| sdCity          | ans..100  | O | Town/city of the delivery address                                                                                                                                                                                                                                                                              |
| sdcareOf        | ans..50   | O | Care of.<br><br>Intermediary who is responsible for transferring a piece of mail between the postal system and the final addressee. For example Jane c/o John ("Jane at John's address"). This field has to be used for company, authority and organization names as well – e. g. "Sportverein Blau-Weiß e.V." |
| ShippingMethod  | ans..50   | O | Address type.<br><br>Possible values: "Standard" (default value), "PickUpPoint", "InStore"                                                                                                                                                                                                                     |
| sdFirstName     | ans..50   | O | First name in the delivery address                                                                                                                                                                                                                                                                             |
| sdLastName      | ans..50   | O | Last name in the delivery address                                                                                                                                                                                                                                                                              |

|              |          |   |                                                                                                                                                                            |
|--------------|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sdSalutation | a..4     | O | Salutation in the delivery address<br><br>„Mr“<br><br>„Mrs“<br><br>„Miss“<br><br>Valid for AddrCountryCode = „DE“, „DK“, „NL“, „BE“, „AT“ or „CH“                          |
| Email        | ans..100 | O | E-mail address of the delivery address                                                                                                                                     |
| Phone        | ns..50   | C | Phone number in the delivery address and mandatory request data if the merchant will process the OTP/SCA flow. (currently Riverty support only OTP instead of SCA for DE). |
| MobileNo     | ns..50   | C | Mobile number of the delivery address and mandatory request data if the merchant will process the SCA flow.                                                                |
| sdCompany    | ans..50  | C | Delivery company name.<br><br>Required if CompanyOrPerson is 'Company'. Everything over 50 characters will be truncated.                                                   |
| BIC          | ans..11  | O | Bank Identifier Code (valid for AddrCountryCode = "DE")                                                                                                                    |
| IBAN         | ans..34  | C | International Bank Account Number (valid for AddrCountryCode = "DE").<br><br>Please note, that IBAN is mandatory if PayTape=invoice or PayType=installment.                |
| ProductNr    | n..8     | C | Profile number<br><br>Obligatory for PayType = "Account" or "Installment"                                                                                                  |
| InvoiceDate  | an10     | O | Date of invoice in the format YYYY-MM-DD.<br><br>Only for PayType = "ConsolidatedInvoice"                                                                                  |

Parameters for Riverty

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent **Blowfish encrypted** 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.                                                              |
| <a href="#">XID</a>         | an32      | M   | ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate                                                                           |
| TransID                     | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                              |
| RefNr                       | ns..30    | O   | Unique reference number                                                                                                                                                            |
| Status                      | a..50     | M   | AUTHORIZE_REQUEST or FAILED                                                                                                                                                        |
| <a href="#">Description</a> | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis! |
| <a href="#">Code</a>        | an8       | M   | Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )                                                                                                  |
| <a href="#">UserData</a>    | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                       |
| CodeExt                     | n..10     | O   | Error code from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |
| ErrorText                   | ans..1024 | O   | Error text from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |
| BillingAddress              | ans..1024 | O   | If necessary corrected billing address as JSON string in the <a href="#">Base64</a> format<br><br>(see JSON objects: <a href="#">Address</a> )                                     |
| ShippingAddress             | ans..1024 | O   | If necessary corrected shipping address as JSON string in the <a href="#">Base64</a> format<br><br>(see JSON objects: <a href="#">Address</a> )                                    |

Result parameters for Riverty

## Calling the interface for one-stage authorisation



To process one-stage authorisation with Riverty, please use the following URL:

<https://www.computop-paygate.com/afterpaySCA.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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TransID                    | ans..18  | M   | TransactionID which should be unique for each payment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefNr                      | ns..30   | O   | Unique reference number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <a href="#">Amount</a>     | n..10    | M   | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <a href="#">Currency</a>   | a3       | M   | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <a href="#">MAC</a>        | an64     | M   | Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <a href="#">URLSuccess</a> | 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 <a href="#">UserData</a> . <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate</li> <li>However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.</li> </ul>                            |
| <a href="#">URLFailure</a> | 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 <a href="#">UserData</a> . <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>We recommend to use parameter "response=encrypt" to get an encrypted response by Paygate</li> <li>However, fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.</li> </ul>                |
| <a href="#">Response</a>   | a7       | O   | Status response sent by Paygate to <a href="#">URLSuccess</a> and <a href="#">URLFailure</a> , should be encrypted. For this purpose, transmit <a href="#">Response=encrypt</a> parameter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <a href="#">URLNotify</a>  | 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 <a href="#">UserData</a> parameter instead. <p><b>i Common notes:</b></p> <ul style="list-style-type: none"> <li>Before follow-up actions (capture / credit / reversal) are carried out on an existing transaction, the first Notify must have been answered by the shop.</li> <li>Fraudster may just copy the encrypted DATA-element which are sent to URLFailure and send the DATA to URLSuccess/URLNotify. Therefore ensure to check the "code"-value which indicates success/failure of the action. Only a result of "code=00000000" should be considered successful.</li> </ul> |
| PayType                    | a..19    | M   | Payment method:<br><br>"Invoice" for Invoice<br><br>For Direct Debit option parameter <b>PayType</b> has to be set to "Invoice" and parameter <b>IBAN</b> has to be filled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BIC                        | ans..11  | O   | Bank Identifier Code (valid for AddrCountryCode = "DE")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| IBAN                       | ans..34  | C   | International Bank Account Number (valid for AddrCountryCode = "DE").<br><br>Please note, that IBAN is mandatory if PayType=invoice or PayType=installment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| bdCompanyOrPerson          | a..7     | O   | Customer category:<br><br>„Company“<br><br>„Person“ (default value)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|                      |           |   |                                                                                                                                                                                                                                                                                                                                              |
|----------------------|-----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SocialSecurityNumber | ans..16   | C | Required: FI, NO, SE. Optional: AT, BE, CH, DE, DK, NL.<br><br>Social security number for a person in Sweden. Registration number in case of a company. This parameter is linked to the parameter <b>bdCompanyOrPerson</b> .                                                                                                                 |
| LegalForm            | ans..50   | O | Legal form of company. This parameter is linked to the parameter <b>bdCompanyOrPerson</b> .<br><br>Possible values:<br><br>For Germany: AG, AG & Co. KG, eG, EK, e.V., GbR, GmbH, GmbH & Co. KG, KG, OHG, UG<br><br>For Austria: AG, AG & Co. KG, eG, EK, e.V., GesbR, GmbH, GmbH & Co. KG, KG, OHG, UG<br><br>For Switzerland: AG, eG, e.V. |
| AddrCountryCode      | a2        | O | Country code:<br><br>„NO“, „SE“, „FI“, „DK“, „DE“, „AT“, „CH“, „NL“, „BE“                                                                                                                                                                                                                                                                    |
| AddrZip              | ans..10   | M | Postcode                                                                                                                                                                                                                                                                                                                                     |
| AddrStreet           | ans..80   | M | Street name or packstation                                                                                                                                                                                                                                                                                                                   |
| AddrStreetNr         | a..50     | O | Street number or packstation number                                                                                                                                                                                                                                                                                                          |
| AddrStreetNr2        | ans..10   | O | Street number addition                                                                                                                                                                                                                                                                                                                       |
| AddrCity             | ans..100  | M | City                                                                                                                                                                                                                                                                                                                                         |
| careOf               | ans..50   | O | Care of.<br><br>Intermediary who is responsible for transferring a piece of mail between the postal system and the final addressee. For example Jane c/o John ("Jane at John's address"). This field has to be used for company, authority and organization names as well – e. g. "Sportverein Blau-Weiß e.V."                               |
| FirstName            | ans..50   | M | First name                                                                                                                                                                                                                                                                                                                                   |
| LastName             | ans..50   | M | Last name                                                                                                                                                                                                                                                                                                                                    |
| CustomerId           | ans..20   | O | Unique customer number                                                                                                                                                                                                                                                                                                                       |
| Salutation           | a..4      | O | Salutation:<br><br>„Mr“<br><br>„Mrs“<br><br>„Miss“                                                                                                                                                                                                                                                                                           |
| bdEmail              | ans..100  | M | E-mail address                                                                                                                                                                                                                                                                                                                               |
| bdPhone              | ns..20    | O | Telephone number                                                                                                                                                                                                                                                                                                                             |
| bdMobileNo           | ns..20    | M | Mobile number                                                                                                                                                                                                                                                                                                                                |
| DateOfBirth          | an10      | M | Date of birth in the format YYYY-MM-DD. Not applicable to companies.                                                                                                                                                                                                                                                                         |
| bdCompany            | ans..50   | C | Purchasing company name.<br><br>Required if bdCompanyOrPerson is 'Company'. Everything over 50 characters will be truncated.                                                                                                                                                                                                                 |
| VatID                | ans..50   | C | VAT registration number, the unique number that identifies a business.<br><br>The field is mandatory for processing B2B transactions for Germany.                                                                                                                                                                                            |
| CustomerRisk         | ans..1024 | M | Risk-relevant data as JSON string in <a href="#">Base64</a> format (see JSON objects: <a href="#">CustomerRisk</a> )<br><br>Merchants can conduct external risk checks and send this information to Riverty.                                                                                                                                 |
| Language             | a2        | O | Language: "NO", "SE", "FI", "DK", "EN", "DE", "NL", "FR" permitted                                                                                                                                                                                                                                                                           |
| CompanyOrPerson      | a..7      | C | Customer category for delivery address:<br><br>„Company“<br><br>„Person“ (default value)<br><br>Required if any of sd-fields (refer below) is provided.                                                                                                                                                                                      |
| sdCountryCode        | a2        | O | Country code of the delivery address: „NO“, „SE“, „FI“, „DK“, „DE“, „AT“, „CH“, „NL“, „BE“                                                                                                                                                                                                                                                   |
| sdZip                | ans..10   | O | Postcode in the delivery address                                                                                                                                                                                                                                                                                                             |
| sdStreet             | ans..80   | O | Street name or packstation of the delivery address                                                                                                                                                                                                                                                                                           |

|                 |           |   |                                                                                                                                                                                                                                                                                                                |
|-----------------|-----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sdStreetNr      | a..50     | O | Street number or packstation number of the delivery address                                                                                                                                                                                                                                                    |
| sdStreetNr2     | ans..10   | O | Street number addition of the delivery address                                                                                                                                                                                                                                                                 |
| sdCity          | ans..100  | O | Town/city of the delivery address                                                                                                                                                                                                                                                                              |
| sdcareOf        | ans..50   | O | Care of.<br><br>Intermediary who is responsible for transferring a piece of mail between the postal system and the final addressee. For example Jane c/o John ("Jane at John's address"). This field has to be used for company, authority and organization names as well – e. g. "Sportverein Blau-Weiß e.V." |
| Shipping Method | ans..50   | O | Address type.<br><br>Possible values: "Standard" (default value), "PickUpPoint", "InStore"                                                                                                                                                                                                                     |
| sdFirstName     | ans..50   | O | First name in the delivery address                                                                                                                                                                                                                                                                             |
| sdLastName      | ans..50   | O | Last name in the delivery address                                                                                                                                                                                                                                                                              |
| sdSalutation    | a..4      | O | Salutation in the delivery address<br><br>„Mr“<br><br>„Mrs“<br><br>„Miss“<br><br>Valid for AddrCountryCode = „DE“, „DK“, „NL“, „BE“, „AT“ or „CH“                                                                                                                                                              |
| Email           | ans..100  | O | E-mail address of the delivery address                                                                                                                                                                                                                                                                         |
| Phone           | ns..50    | O | Phone number in the delivery address                                                                                                                                                                                                                                                                           |
| MobileNo        | ns..50    | O | Mobile number of the delivery address                                                                                                                                                                                                                                                                          |
| sdCompany       | ans..50   | C | Delivery company name.<br><br>Required if CompanyOrPerson is 'Company'. Everything over 50 characters will be truncated.                                                                                                                                                                                       |
| Order           | ans..1024 | M | Order information as JSON string in <a href="#">Base64</a> format.<br><br>See JSON object: <a href="#">Order</a>                                                                                                                                                                                               |

Parameters for payments with Riverty

The following table gives the result parameters which Computop Paygate transmits to **URLSuccess** or **URLFailure** and **URLNotify**. If you have specified the **Response=encrypt** parameter, the following parameters are sent [Blowfish encrypted](#) 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.                                                              |
| <a href="#">XID</a>         | an32      | M   | ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate                                                                           |
| TransID                     | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                              |
| RefNr                       | ns..30    | O   | Unique reference number                                                                                                                                                            |
| <a href="#">Status</a>      | a..50     | M   | OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )                                                                                                         |
| <a href="#">Description</a> | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis! |
| <a href="#">Code</a>        | an8       | M   | Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )                                                                                                  |
| <a href="#">UserData</a>    | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                       |
| CodeExt                     | n..10     | O   | Error code from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |
| ErrorText                   | ans..1024 | O   | Error text from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |

|                 |           |   |                                                                                                                                             |
|-----------------|-----------|---|---------------------------------------------------------------------------------------------------------------------------------------------|
| BillingAddress  | ans..1024 | O | If necessary corrected billing address as JSON string in the <a href="#">Base64</a> format<br>(see JSON objects: <a href="#">Address</a> )  |
| ShippingAddress | ans..1024 | O | If necessary corrected shipping address as JSON string in the <a href="#">Base64</a> format<br>(see JSON objects: <a href="#">Address</a> ) |

Result parameters for Riverty

## Capture

Captures are possible via a Server-to-Server connection. To carry out a Capture for Riverty via a Server-to-Server connection, please use the following URL:

<https://www.computop-paygate.com/capture.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="#">PayID</a>      | an32      | M   | ID assigned by Paygate for the payment to be captured                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| TransID                    | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RefNr                      | ns..30    | O   | Unique reference number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <a href="#">Amount</a>     | n..10     | M   | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <a href="#">Currency</a>   | a3        | M   | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <a href="#">MAC</a>        | an64      | M   | Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Order Desc                 | ans..768  | O   | Description of purchased goods, unit prices, merchant's comment etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <a href="#">ReqID</a>      | ans..32   | O   | To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action.<br><br>Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly.<br><br><b>Notice:</b> Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate. |
| <a href="#">UserData</a>   | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Order                      | ans..1024 | C   | Mandatory for partial capture or if order information have changed with the same total amount.<br><br>Order information as JSON string in <a href="#">Base64</a> format.<br><br>See JSON object: <a href="#">Order</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| InvoiceNr                  | ans..30   | O   | Is considered only if Order is also transferred.<br><br>Invoice number that is displayed within Riverty portal. An order can contain more than one invoice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ShippingData               | ans..1024 | O   | Is considered only if Order is also transferred.<br><br>Shipping information as JSON string in <a href="#">Base64</a> format.<br><br>(see JSON objects: <a href="#">ShippingData</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

Parameters for Riverty captures

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

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

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

| Key           | 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 as well as for capture or credit request.                                                     |
| XID           | an32      | M   | ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate                                                                  |
| TransID       | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                     |
| RefNr         | ns..30    | O   | Unique reference number                                                                                                                                                   |
| Status        | a..50     | M   | OK, CAPTURE_REQUEST or FAILED                                                                                                                                             |
| Description   | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <b>Code</b> parameter for the transaction status analysis! |
| Code          | an8       | M   | Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )                                                                                         |
| UserData      | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                              |
| InvoiceNumber | ans..30   | O   | Booking number: generated by merchant or, if not available, by Riverty. Is necessary for partial credits.                                                                 |
| CodeExt       | n..10     | O   | Error code from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                 |
| ErrorText     | ans..1024 | O   | Error text from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                 |

Result parameters for Riverty captures

## 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>

**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                                                                                                                                                                                                                                      |
|------------|-----------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MerchantID | ans..30   | M   | MerchantID, assigned by Computop. Additionally this parameter has to be passed in plain language too.                                                                                                                                            |
| PayID      | an32      | M   | ID assigned by Paygate for the payment to be credited                                                                                                                                                                                            |
| TransID    | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                                                                                            |
| RefNr      | ns..30    | O   | Reference number (e.g. invoice number) which must be unique for each return shipment                                                                                                                                                             |
| Amount     | n..10     | M   | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).                                                                       |
| Currency   | a3        | M   | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                                                                                      |
| MAC        | an64      | M   | Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul> |
| Order Desc | ans..768  | O   | Description of purchased goods, unit prices, merchant's comment etc.                                                                                                                                                                             |
| UserData   | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                                                                                     |

|            |           |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------|-----------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ReqID      | ans..32   | O | <p>To avoid double payments or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action.</p> <p>Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly.</p> <p><b>Notice:</b> Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate.</p> |
| Order      | ans..1024 | C | <p>Mandatory for partial credits</p> <p>Order information as JSON string in <a href="#">Base64</a> format.</p> <p>See JSON object: <a href="#">RefundOrder</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| InvoiceNr  | ans..30   | C | <p>Is considered only if Order is also transferred, but then it is mandatory.</p> <p>Invoice number that is displayed within Riverty portal. An order can contain more than one invoice.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RefundType | enum      | O | <p>Type or credit: Possible values are "Refund" and "Return"</p> <p>Is necessary only for a full credit.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Parameters for credits of Riverty payments

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.                                                              |
| <a href="#">XID</a>         | an32      | M   | ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate                                                                           |
| TransID                     | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                              |
| RefNr                       | ns..30    | O   | Merchant's unique reference number                                                                                                                                                 |
| <a href="#">Status</a>      | a..50     | M   | OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )                                                                                                         |
| <a href="#">Description</a> | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis! |
| <a href="#">Code</a>        | an8       | M   | Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )                                                                                                  |
| <a href="#">UserData</a>    | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                       |
| CodeExt                     | n..10     | O   | Error code from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |
| ErrorText                   | ans..1024 | O   | Error text from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |

Result parameters for credits of Riverty payments

## Reverse

Reversals are possible via a Server-to-Server connection. In order to reverse an Riverty transaction, please use the following URL:

<https://www.computop-paygate.com/reverse.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. |

|          |           |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------|-----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PayID    | an32      | M | ID assigned by Paygate for the payment to be reversed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| TransID  | ans..18   | M | TransactionID which should be unique for each payment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Amount   | n..10     | M | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Currency | a3        | M | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MAC      | an64      | M | Hash Message Authentication Code (HMAC) with SHA-256 algorithm. Details can be found here: <ul style="list-style-type: none"> <li><a href="#">HMAC Authentication (Request)</a></li> <li><a href="#">HMAC Authentication (Notify)</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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 or actions (e.g. by ETM), enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction or action is submitted again with the same ReqID, Computop Paygate will not carry out the payment or new action, but will just return the status of the original transaction or action.<br><br>Please note that the Computop Paygate must have a finalized transaction status for the first initial action (authentication /authorisation). This does not apply to 3-D Secure authentications that are terminated by a timeout. The 3-D Secure Timeout status does not count as a completed status in which the ReqID functionality on Paygate does not take effect. Submissions with identical ReqID for an open status will be processed regularly.<br><br><b>Notice:</b> Please note that a ReqID is only valid for 12 month, then it gets deleted at the Paygate. |
| Order    | ans..1024 | C | Mandatory for partial reversals<br><br>Order information as JSON string in <a href="#">Base64</a> format.<br><br>See JSON object: <a href="#">Order</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Parameters for reversals of Riverty payments

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                                                                                                                                                                        |
|-------------|-----------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 as well as for capture or credit request.                                                              |
| XID         | an32      | M   | ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate                                                                           |
| TransID     | ans..18   | M   | TransactionID which should be unique for each payment                                                                                                                              |
| Amount      | n..10     | M   | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit).         |
| Currency    | a3        | M   | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                        |
| Status      | a..50     | M   | OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )                                                                                                         |
| Description | ans..1024 | M   | Further details in the event that payment is rejected. Please <b>do not</b> use the <b>Description</b> but the <a href="#">Code</a> parameter for the transaction status analysis! |
| Code        | an8       | M   | Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )                                                                                                  |
| UserData    | ans..1024 | O   | If specified at request, Paygate forwards the parameter with the payment result to the shop.                                                                                       |
| CodeExt     | n..10     | O   | Error code from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |
| ErrorText   | ans..1024 | O   | Error text from Riverty, if agreed with <a href="#">Computop Helpdesk</a>                                                                                                          |

Result parameters for reversals of Riverty payments

## Batch processing via the interface

Basic information about using Batch files and about their structure can be found in the Batch Manager manual. Within batch processing not all functions are available which are usually available for the online interface.

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

**Notice:** Please note that partial captures, partial credits and partial reversals for Riverty are not possible with batch.

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 / 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 Riverty payment in a Batch file to be submitted is as follows:

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

Example for Master MID function:

```
HEAD,[Master]MerchantID,Date,2.x
Type,Action,[Slave]MID,Amount,Currency,TransID,Data (depends on Action)
FOOT,CountRecords,SumAmount
```

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

| Key      | Format  | CND | Description                                                                                                                                                                |
|----------|---------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type     | a..11   | M   | HEAD for Header, FOOT for Footer, AFTERPAY for Riverty                                                                                                                     |
| Action   | a..20   | M   | The parameter Action defines the type of transaction:<br><br>Capture<br><br>Credit<br><br>Reverse (cancellation)                                                           |
| Amount   | n..10   | M   | Amount in the smallest currency unit (e.g. EUR Cent). Please contact the <a href="#">Computop Helpdesk</a> , if you want to capture amounts <100 (smallest currency unit). |
| Currency | a3      | M   | Currency, three letters DIN / ISO 4217, e.g. EUR, USD, GBP. Please find an overview here: <a href="#">A1 Currency table</a>                                                |
| TransID  | ans..18 | M   | TransactionID which should be unique for each payment                                                                                                                      |
| RefNr    | ns..30  | O   | Merchant's unique reference number                                                                                                                                         |
| PayID    | an32    | M   | ID assigned by Paygate for this transaction                                                                                                                                |

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>
AFTERPAY,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<Status>,<Code>
AFTERPAY,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<Status>,<Code>
AFTERPAY,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,<PayID>,<Status>,<Code>
FOOT,<CountRecords>,<SumAmount>

```

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

| Key                    | Format | CND | Description                                                                                                      |
|------------------------|--------|-----|------------------------------------------------------------------------------------------------------------------|
| Action                 | a..20  | M   | The parameter Action defines the type of transaction:<br><br>Capture<br><br>Credit<br><br>Reverse (cancellation) |
| <a href="#">PayID</a>  | an32   | M   | ID assigned by Paygate for this transaction                                                                      |
| <a href="#">Status</a> | a..50  | M   | OK ( <a href="#">URLSuccess</a> ) or FAILED ( <a href="#">URLFailure</a> )                                       |
| <a href="#">Code</a>   | an8    | M   | Error code according to Paygate Response Codes ( <a href="#">A4 Error codes</a> )                                |

Description of result parameters within the record for Batch files

## JSON Objects

The JavaScript Object Notation, JSON for short, is a compact data format in an easy-to-read text format for the purpose of exchanging data between applications. JSON does not depend on the programming language. Parsers exist in practically all widely used languages. You can find more information about JSON via this link:

<https://wiki.selfhtml.org/wiki/JavaScript/JSON>

The next section describes JSON objects which are required for requests or returned in the response.

**Notice:** The JSON string can include special characters and so must also be [Base64 encoded](#). Transfer problems may otherwise occur.

## CustomerRisk

Risk-relevant data about the customer. Merchants can conduct external risk checks and send this information to Riverty.

| Key                            | Format  | CND | Description                                                                                                                                            |
|--------------------------------|---------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| existingCustomer               | bool    | O   | Indicates whether the customer is an existing customer of the merchant                                                                                 |
| verifiedCustomerIdentification | bool    | O   | Indicates whether the customer has been verified                                                                                                       |
| marketingOptIn                 | bool    | O   | Indicates whether marketing material is requested                                                                                                      |
| customerSince                  | dtm     | O   | Date in format YYYY-MM-DD since which the customer has existed                                                                                         |
| customerClassification         | ans..32 | O   | Customer classification                                                                                                                                |
| acquisitionChannel             | enum    | O   | Indicates the channel via which the merchant is reached. Possible values: „NotSet“, „Advertisment“, „SocialNetwork“, „Direct“, „SearchEngine“, „Other“ |
| hasCustomerCard                | bool    | O   | Indicates whether the customer has a loyalty card                                                                                                      |
| customerCardSince              | dtm     | O   | Date in format YYYY-MM-DD since which the loyalty card has existed                                                                                     |
| customerCardClassification     | ans..32 | O   | Indicates the loyalty card level, e.g. "Gold Member"                                                                                                   |
| profileTrackingId              | ans..64 | O   | Unique TrackingID                                                                                                                                      |
| ipAddress                      | ans..15 | M   | Customer's IP address                                                                                                                                  |
| numberOfTransactions           | n..5    | O   | Number of successful transactions already completed by the customer                                                                                    |

|                         |         |   |                                                            |
|-------------------------|---------|---|------------------------------------------------------------|
| customerIndividualScore | n..5    | O | Individual score for the customer supplied by the merchant |
| userAgent               | ans..32 | O | UserAgent of this specific consumer                        |
| amountOfTransactions    | n..5    | O | Amount of paid orders last 12 months                       |
| otherPaymentMethods     | bool    | O | Other payment method than MI in wallet                     |

## Example CustomerRisk as JSON string

```
{
  "existingCustomer" : true,
  "verifiedCustomerIdentification" : "true",
  "marketingOptIn" : "false",
  "customerSince" : "2015-11-20",
  "customerClassification" : "Classification",
  "acquisitionChannel" : "SearchEngine",
  "hasCustomerCard" : true,
  "customerCardSince" : "2016-01-23",
  "customerCardClassification" : "Gold Member",
  "profileTrackingId" : "TrackingID123456",
  "ipAddress" : "201.18.14.2",
  "numberOfTransactions" : 27,
  "customerIndividualScore" : 98,
  "userAgent" : "",
  "amountOfTransactions" : 1,
  "otherPaymentMethods" : true
}
```

## Order

The order information is defined here.

| Key              | Format    | CND | Description                                                                                                                                                       |
|------------------|-----------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| totalGrossAmount | ans..16   | M   | Gross order amount. Must equal the value of all items (grossUnitPrice * quantity).<br>Please note, that values has to be specified with "." as decimal separator. |
| currency         | enum      | O   | Currency: Possible values are „EUR“, „NOK“, „SEK“, „DKK“, „CHF“                                                                                                   |
| risk             | ans..1024 | O   | Order risk-relevant data as JSON string in <a href="#">Base64</a> format (see JSON object: <a href="#">OrderRisk</a> )                                            |
| items            | Array     | M   | Array of OrderItems (see JSON object: <a href="#">OrderItem</a> )                                                                                                 |
| totalNetAmount   | ans..16   | M   | Net order amount<br>Please note, that values has to be specified with "." as decimal separator.                                                                   |
| imageUrl         | ans..256  | O   | URL for order image. This image can be viewed on the invoice or next to the instal-ment payment in the Riverty portal. Limited to 100-1280px.                     |

## OrderRisk

The order risk information is defined here.

| Key                  | Format  | CND | Description                                                                                         |
|----------------------|---------|-----|-----------------------------------------------------------------------------------------------------|
| channelType          | ans..64 | O   | Order channel type. Possible values:<br>"Internet", "Catalog", "CallCenter", "Stationary", "Other". |
| deliveryType         | ans..64 | O   | Order delivery type. Possible values:<br>"Normal", "Express".                                       |
| ticketDeliveryMethod | ans..64 | O   | Name of the tickets' method. Possible values:<br>"NotSet", "PickUp", "Email", "Post", "Phone".      |

## OrderItem

The order information is defined here.

| Key                     | Format   | CND | Description                                                                                                                                   |
|-------------------------|----------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|
| productId               | ans..64  | M   | Article number                                                                                                                                |
| description             | ans..128 | M   | Article description                                                                                                                           |
| type                    | ans..64  | O   | Order item type. Possible values:<br>"PhysicalArticle", "DigitalArticle", "GiftCard", "Discount", "ShippingFee", "Surcharge", "Info"          |
| quantity                | n..8     | M   | Article quantity<br><br>Decimal values, if agreed with Computop and Riverty.                                                                  |
| grossUnitPrice          | ans..16  | M   | Gross price per article<br><br>Please note, that values has to be specified with "." as decimal separator.                                    |
| grouId                  | ans..64  | O   | GroupID                                                                                                                                       |
| netUnitPrice            | ans..16  | M   | Net price per article<br><br>Please note, that values has to be specified with "." as decimal separator.                                      |
| unitCode                | ans..16  | O   | Unit (e.g. pieces, litres, kilograms, etc.)                                                                                                   |
| vatCategory             | enum     | O   | VAT category<br><br>Possible values: "HighCategory", "LowCategory", "NullCategory", "NoCategory", "MiddleCategory", "OtherCategory"           |
| vatPercent              | n..2     | M   | VAT in percent                                                                                                                                |
| vatAmount               | ans..16  | M   | VAT as amount per item<br><br>Please note, that values has to be specified with "." as decimal separator.                                     |
| imageUrl                | ans..256 | O   | URL for order image. This image can be viewed on the invoice or next to the instal-ment payment in the Riverty portal. Limited to 100-1280px. |
| googleProductCategoryId | n..16    | O   | Google Product Category ID                                                                                                                    |
| googleProductCategory   | ans..64  | O   | Google Product Category                                                                                                                       |
| merchantProductType     | ans..64  | O   | Merchant category in addition to Google classification                                                                                        |
| lineNumber              | n.3      | O   | The merchant can specify a line number for each article for sorting purposes                                                                  |
| discountAmount          | ans..16  | O   | Discount amount (only for statistical purposes)<br><br>Please note, that values has to be specified with "." as decimal separator.            |
| productUrl              | ans..256 | O   | Article URL                                                                                                                                   |
| marketPlaceSellerId     | ans..64  | O   | ID of a specific market place                                                                                                                 |

## Example of Order as JSON string

```

{
  "totalGrossAmount" : 12.40,
  "totalNetAmount" : 10.43,
  "currency" : "EUR",
  "risk" : {
    "channelType" : "Catalog",
    "deliveryType" : "Normal",
    "ticketDeliveryMethod" : "NotSet"
  },
  "items" : [{
    "productId" : "1",
    "description" : "Tablet Black",
    "type" : "PhysicalArticle",
    "grossUnitPrice" : 4.10,
    "netUnitPrice" : 3.45,
    "quantity" : 2.0,
    "vatAmount" : 0.65,
    "vatPercent" : 19.0
  }, {
    "productId" : "2",
    "description" : "MusicPlayer Black",
    "type" : "PhysicalArticle",
    "grossUnitPrice" : 4.20,
    "netUnitPrice" : 3.53,
    "quantity" : 1.0,
    "vatAmount" : 0.67,
    "vatPercent" : 19.0
  }
]
}

```

## AllowedPayMethods

The information about the allowed payment types is defined here in an array.

### PaymentMethod

The article information is defined here.

| Key         | Format          | CND | Description                                                                                                        |
|-------------|-----------------|-----|--------------------------------------------------------------------------------------------------------------------|
| type        | ans..32         | O   | Available payment method<br>Possible values: "Invoice", "Account", "Installment", "Consolidatedinvoice"            |
| account     | AccountProduct  | O   | Account information (see JSON object: <a href="#">AccountProduct</a> )                                             |
| directDebit | DirectDebitInfo | O   | Direct-Debit information (see JSON object: <a href="#">DirectDebitInfo</a> )                                       |
| campaigns   | Array           | O   | Array of campaign information (see JSON object: <a href="#">CampaignInfo</a> )                                     |
| Installment | InstallmentInfo | O   | Instalment payment information (see JSON object: <a href="#">InstallmentInfo</a> )                                 |
| legallInfo  | legallInfo      | O   | Legal info containing Terms and Conditions, Privacy statement, etc. (see JSON object: <a href="#">LegallInfo</a> ) |

### AccountProduct

The AccountProduct information is defined here.

| Key       | Format | CND | Description            |
|-----------|--------|-----|------------------------|
| profileNo | n..32  | M   | Account profile number |

### DirectDebitInfo

The DirectDebitInfo information is defined here.

| Key       | Format | CND | Description                                |
|-----------|--------|-----|--------------------------------------------|
| Available | bool   | O   | Indicates whether DirectDebit is available |

## CampaignInfo

The CampaignInfo information is defined here.

| Key         | Format   | CND | Description          |
|-------------|----------|-----|----------------------|
| campaignNo  | n..32    | O   | Campaign number      |
| description | ans..128 | O   | Campaign description |

## InstallmentInfo

The InstallmentInfo information is defined here.

| Key                           | Format   | CND | Description                                                                                                                                                                            |
|-------------------------------|----------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| basketAmount                  | enum     | O   | Available payment method<br>Possible values: "Invoice", "Account", "Installment", "Consolidatedinvoice"<br>Please note, that values has to be specified with "." as decimal separator. |
| numberOfInstallments          | n..2     | O   | Number of installments                                                                                                                                                                 |
| installmentAmount             | ans..16  | O   | Installment amount for each month<br>Please note, that values has to be specified with "." as decimal separator.                                                                       |
| firstInstallmentAmount        | ans..16  | O   | First installment amount<br>Please note, that values has to be specified with "." as decimal separator.                                                                                |
| lastInstallmentAmount         | ans..16  | O   | Final installment amount<br>Please note, that values has to be specified with "." as decimal separator.                                                                                |
| interestRate                  | ans..16  | O   | Interest rate                                                                                                                                                                          |
| effectiveInterestRate         | ans..16  | O   | Effective interest rate                                                                                                                                                                |
| effectiveAnnualPercentageRate | ans..16  | O   | Effective annual percentage                                                                                                                                                            |
| totalInterestAmount           | ans..16  | O   | Total interest rate<br>Please note, that values has to be specified with "." as decimal separator.                                                                                     |
| startupFee                    | ans..16  | O   | Starting fee                                                                                                                                                                           |
| monthlyFee                    | ans..16  | O   | Monthly fee                                                                                                                                                                            |
| totalAmount                   | ans..16  | O   | Total amount                                                                                                                                                                           |
| installmentProfileNumber      | ans..16  | O   | Installment profile number                                                                                                                                                             |
| readMore                      | ans..128 | O   | Further information about the installment process                                                                                                                                      |

## LegalInfo

The LegalInfo information is defined here.

| Key                     | Format    | CND | Description                             |
|-------------------------|-----------|-----|-----------------------------------------|
| requiresCustomerConsent | bool      | O   | "true", if customer consent is required |
| termsAndConditionsUrl   | ans..250  | O   | URL to Terms and Conditions             |
| privacyStatementUrl     | ans..250  | O   | URL to Privacy Statement                |
| bgb507Url               | ans..250  | O   | URL to § 507 BGB                        |
| text                    | ans..2500 | O   | Legal text                              |

## Example of AllowedPaymentMethods as JSON string

```
"paymentMethods": [{
  "type": "string",
  "title": "string",
  "tag": "string",
  "consumerFeeAmount": 1.00,
  "logo": "string",
  "account": { ... } ,
  "directDebit": {"available": true},
  "campaigns": { ... },
  "installment": {
    "basketAmount": 1.00,
    "numberOfInstallments": 1,
    "installmentAmount": 1.00,
    "firstInstallmentAmount": 1.00,
    "lastInstallmentAmount": 1.00,
    "interestRate": 1.00,
    "effectiveInterestRate": 1.00,
    "effectiveAnnualPercentageRate": 1.00,
    "totalInterestAmount": 1.00,
    "startupFee": 1.00,
    "monthlyFee": 1.00,
    "totalAmount": 1.00,
    "installmentProfileNumber": 1,
    "readMore": "string"
  },
  "legalInfo": {
    "requiresCustomerConsent": true,
    "termsAndConditionsUrl": "string",
    "privacyStatementUrl": "string",
    "bgb507Url": "string",
    "text": "string"
  }
},
}]
```

## Address

The information about corrected billing address data is defined here in an array if necessary.

| Key                    | Format   | CND | Description                                                                           |
|------------------------|----------|-----|---------------------------------------------------------------------------------------|
| countryCode            | enum     | M   | Country code<br>Possible values: "NO", „SE“, „FI“, „DK“, „DE“, „AT“, „CH“, „NL“, „BE“ |
| postalCode             | ans..10  | M   | Postal code                                                                           |
| postalPlace            | ans..100 | M   | City                                                                                  |
| Street                 | ans..100 | M   | Street or packstation                                                                 |
| streetNumber           | ans..10  | M   | Street number or packstation number                                                   |
| streetNumberAdditional | ans..10  | O   | Street number addition                                                                |
| careOf                 | ans..50  | O   | Responsible person for dispatch of shipment                                           |

## Example of Address as JSON string

```
{
  [{
    "countryCode" : "DE",
    "postalCode" : "10405",
    "street" : "Prenzlauer Allee",
    "streetNumber" : 20
    "streetNumberAdditional" : "3. Stock",
    "postalPlace" : "Berlin",
    "addressType" : null,
    "careOf" : null
  }
]
```

## OrderSummary

The OrderSummary information is defined here.

| Key                         | Format   | CND | Description                                                                                                                                                       |
|-----------------------------|----------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| totalGrossAmount            | ans..16  | O   | Gross order amount. Must equal the value of all items (grossUnitPrice * quantity).<br>Please note, that values has to be specified with "." as decimal separator. |
| currency                    | enum     | O   | Currency. Possible values are „EUR“, „NOK“, „SEK“, „DKK“, „CHF“                                                                                                   |
| items                       | Array    | O   | Array of OrderItems (see JSON object: <a href="#">OrderItem</a> )                                                                                                 |
| totalNetAmount              | ans..16  | O   | Net order amount<br>Please note, that values has to be specified with "." as decimal separator.                                                                   |
| imageUrl                    | ans..256 | O   | URL for order image. This image can be viewed on the invoice or next to the instal-ment payment in the Riverty portal. Limited to 100-1280px.                     |
| googleAnalyticsUse<br>rId   | ans..64  | O   | Google Analytics UserID                                                                                                                                           |
| googleAnalyticsClie<br>ntId | ans..64  | O   | Google Analytics ClientID                                                                                                                                         |
| discountAmount              | ans..16  | O   | Discount amount (only for statistical purposes)<br>Please note, that values has to be specified with "." as decimal separator.                                    |

## Example of OrderSummary as JSON string

```
{
  "totalGrossAmount" : 8.30,
  "currency" : "EUR",
  "items" : [{
    "productId" : "1",
    "description" : "Tablet Black",
    "grossUnitPrice" : 4.10,
    "quantity" : 1.0
  }, {
    "productId" : "2",
    "description" : "MusicPlayer Black",
    "grossUnitPrice" : 4.20,
    "quantity" : 1.0
  }
]
```

## ShippingData

The information about dispatch is defined here in an array.

| Key             | Format | CND | Description                                                                       |
|-----------------|--------|-----|-----------------------------------------------------------------------------------|
| shippingDetails | Array  | M   | Array of shipping information (see JSON object: <a href="#">ShippingDetails</a> ) |

## ShippingDetails

The ShippingDetails information is defined here.

| Key             | Format  | CND | Description                                             |
|-----------------|---------|-----|---------------------------------------------------------|
| type            | enum    | M   | Dispatch type: Possible values are "Shipment", "Return" |
| shippingCompany | ans..64 | M   | Shipping company                                        |
| trackingId      | ans..64 | M   | Unique TrackingID                                       |

## Example of ShippingData as JSON string

```
{
  "shippingDetails" : [{
    "type" : "Shipment",
    "shippingCompany" : "DHL",
    "trackingId" : "234324234"
  }, {
    "type" : "Shipment",
    "shippingCompany" : "Hermes",
    "trackingId" : "687654"
  }
]
```

## RefundOrder

The information about the articles to be credited is defined here.

| Key        | Format | CND | Description                                                                          |
|------------|--------|-----|--------------------------------------------------------------------------------------|
| orderItems | Array  | M   | Array of articles to be credited (see JSON object: <a href="#">RefundOrderItem</a> ) |

## RefundOrderItem

The RefundOrderItem information is defined here.

| Key            | Format   | CND | Description                                                                                                          |
|----------------|----------|-----|----------------------------------------------------------------------------------------------------------------------|
| refundType     | ans..32  | C   | Credit type: Possible values are "Refund", "Return"<br>The parameter <b>is not</b> required for EventToken="Return". |
| productId      | ans..64  | M   | Article number                                                                                                       |
| description    | ans..128 | M   | Article description                                                                                                  |
| quantity       | n..8     | M   | Article quantity<br>Decimal values, if agreed with Computop and Riverty.                                             |
| grossUnitPrice | ans..16  | M   | Gross price per article<br>Please note, that values has to be specified with "." as decimal separator.               |
| groupId        | ans..64  | O   | GroupID                                                                                                              |



|                         |          |   |                                                                                                                                               |
|-------------------------|----------|---|-----------------------------------------------------------------------------------------------------------------------------------------------|
| netUnitPrice            | ans..16  | M | Net price per article<br><br>Please note, that values has to be specified with "." as decimal separator.                                      |
| unitCode                | ans..16  | O | Unit (e.g. pieces, litres, kilograms, etc.)                                                                                                   |
| vatCategory             | ans..32  | O | VAT category<br><br>Possible values: "HighCategory", "LowCategory", "NullCategory", "NoCategory", "MiddleCategory", "OtherCategory"           |
| vatPercent              | n..2     | M | VAT in percent                                                                                                                                |
| vatAmount               | ans..16  | M | VAT as amount per item<br><br>Please note, that values has to be specified with "." as decimal separator.                                     |
| imageUrl                | ans..256 | O | URL for order image. This image can be viewed on the invoice or next to the instal-ment payment in the Riverty portal. Limited to 100-1280px. |
| googleProductCategoryId | n..16    | O | Google Product Category ID                                                                                                                    |
| googleProductCategory   | ans..64  | O | Google Product Category                                                                                                                       |
| merchantProductType     | ans..64  | O | Merchant category in addition to Google classification                                                                                        |
| lineNumber              | n.3      | O | The merchant can specify a line number for each article for sorting purposes                                                                  |
| discountAmount          | ans..16  | O | Discount amount (only for statistical purposes)<br><br>Please note, that values has to be specified with "." as decimal separator.            |
| productUrl              | ans..256 | O | Article URL                                                                                                                                   |
| marketPlaceSellerId     | ans..64  | O | ID of a specific market place                                                                                                                 |

## Example of RefundOrder as JSON string

```
[
  {
    "refundType" : "Return",
    "productId" : "1",
    "description" : "Tablet Black",
    "quantity" : 1.0,
    "grossUnitPrice" : 4.10,
    "netUnitPrice" : 3.45,
    "vatPercent" : 19.0,
    "vatAmount" : 0.65
  }, {
    "refundType" : "Return",
    "productId" : "2",
    "description" : "MusicPlayer Black",
    "quantity" : 1.0,
    "grossUnitPrice" : 4.20,
    "netUnitPrice" : 3.53,
    "vatPercent" : 19.0,
    "vatAmount" : 0.67
  }
]
```