

The Account Information

Service Manual

AIS _(v2)

Change log

| Date of publishing | Version | Date of effectiveness | Description |
|--------------------|---------|-----------------------|--|
| 3.12.2018 | 1 | | First document version |
| 22.3.2019 | 2 | | Point 1 Change of link and deleting information of previous COBS version |
| 22.3.2019 | 2 | | Tables 1 – 24: update according COBS v1.2 and changes within KB solution |
| 22.3.2019 | 2 | | Deleting of all structure details |
| 22.3.2019 | 2 | | Update of all table responses |
| 29.4.2019 | 3 | 10.8.2019 | Table 24: new column for card transactions changes added |
| 29.4.2019 | 3 | 10.8.2019 | Update of all request headers: TPP-Name, TPP-Identification |
| 29.4.2019 | 3 | 10.8.2019 | Change in chapter 4., table 13, parameter “order” – order of transactions allowed from 25 May 2019 |
| 7.8.2019 | 3 | 10.8.2019 | Minor change in chapter 4., table 20 Domestic payment – occurrence of elements: <ul style="list-style-type: none"> status – can now contain value PDNG for transactions in pending status. Added description card holds identification. bookingDate.date – now not mandatory (in case of transactions in PDNG status) |
| 18.10.2019 | 4 | 18.11.2019 | Chapter 5 - Adding a new resource List of client’s standing orders Chapter 4: <ul style="list-style-type: none"> Extending the maximum transaction duration from 90 days up to 2 years |
| 8.12.2019 | 5 | 8.2.2020 | Chapter 2 – Adding name of account holder into resource List of Client’s Payment Accounts |
| 17.2.2020 | 6 | 21.2.2020 | List of Client’s Payment Accounts – Resource Characteristics – ownersNames as Array |
| 2.7.2020 | 7 | 2.7.2020 | Error reporting |
| 17.9.2021 | 8 | 20.9.2021 | New chapter added 6. Standing order details |
| 02.05.2022 | 9 | 12.05.2022 | Addition of error codes: <ul style="list-style-type: none"> Error codes defined for the GET service – List of Client’s Payment Accounts Error codes defined for the GET service – Payment account balance Error codes defined for the GET service – Payment account transaction history |
| 30.06.2022 | 10 | 11.07.2022 | Komerční banka begins the migration of the our PSD2 API to the new version, namely the PSD2 API account information service AIS v2. This version mainly changes the technological improvement without major functional impacts. PSD2 API account information service AIS v1 will be switched off on 12.10.2022. |
| 20.07.2023 | 11 | 20.10.2023 | Updated validity of SCA/refresh token according to EU Regulation 2022/2360 for 180 days - chapter 1 Added information on Multicurrency accounts - in chapters 1 to 3. |

Differences from Czech Open Banking Standard are highlighted in yellow colour. Shaded green are the latest changes in ver. 11.

Contents

| | |
|---|-----------|
| 1. The Account Information Service (AIS) | 5 |
| Error reporting | 5 |
| 2. List of Client’s Payment Accounts – Resource Characteristics | 7 |
| Query parameters of the request | 7 |
| Request header parameters | 7 |
| Response header parameters | 8 |
| Error codes defined for the GET service – List of Client’s Payment Accounts | 8 |
| Elements of the response message – List of Client’s Payment Accounts | 9 |
| 3. Client’s Payment Account Balance – Resource Characteristics | 12 |
| Path parameter of the request | 12 |
| Query parameters of the request | 12 |
| Request header parameters | 12 |
| Account Balance response elements | 13 |
| Response header parameters | 15 |
| Error codes defined for the GET service – Payment account balance | 15 |
| 4. Client’s payment account transaction history – Resource Characteristics | 17 |
| Path parameter request | 17 |
| Query parameters of the request | 17 |
| Request header parameters | 18 |
| Response header parameters | 18 |
| Error codes defined for the GET service – Payment account transaction history | 18 |
| Client’s payment account transaction history – response elements | 19 |
| Interest – occurrence of elements | 34 |
| Charge/fee – occurrence of elements..... | 37 |
| Domestic payment – occurrence of elements | 40 |
| SEPA payment – occurrence of elements | 43 |
| Foreign payment – occurrence of elements | 49 |
| Cash – occurrence of elements | 53 |
| Payment card transaction – occurrence of elements | 56 |
| 5. List of Client’s Standing Orders | 61 |
| Query parameters of the request | 61 |
| Request header parameters | 61 |
| Response header parameters | 62 |
| Error codes defined for the GET service – Standing orders | 62 |
| List of Client’s Standing Orders response elements:..... | 63 |
| 6. Standing order details | 67 |
| Query parameters of the request | 67 |

| | |
|---|----|
| Request header parameters | 67 |
| Response header parameters | 67 |
| Error codes defined for the service GET - Standing order details: | 68 |
| Standing order details report elements | 68 |

The Account Information Service (AIS) Manual

1. The Account Information Service (AIS)

The following information is provided as part of the AIS service:

- List of client's accounts, in the case of a Multicurrency account, we display the currency subfolders as separate accounts, but with the same IBAN, and different currency and account id.
- Account balance:
 - Available balance – CLAV (ClosingAvailable)
 - Current balance – PRCD (PreviouslyClosedBooked)

We will return the balance of the Multicurrency account only for the currency subfolder, which is identified by the account id.

We do not refund one total Multicurrency Account balance (for all subfolders).

- Transaction history for up to 24 months - as required in PSD2 RTS 2018/389 Art. 10 (updated EU Regulation 2022/2360), requests for transaction history older than 90 days can only be performed under strong client authentication. According to KB, this regulation complies with a request that was made within 5 minutes of issuing a refresh token (which is issued under strong client authentication).

We return the history of transactions for a Multicurrency account only for the currency subfolder that is identified by the account id, if the relevant currency was specified in the request. Otherwise, we return the transaction history for all currency subfolders.

- List of client's standing orders - compared to the ČOBS standard, the list is extended with information about the beneficiary's account (creditorAccount) and information about the variable symbol of the payment.

The client (PSU) authorizes the calling of the services that remain valid for 180 days. Consent to providing information to a third party can be revoked by the client in its internet banking at any time within 180 days, otherwise it remains valid for the full 180 days.

Komerční banka has based its approach on the unified structure and format of information defined by the Czech Banking Association in the [Czech Open Banking Standard](#). The differences between the KB implementation mode and the published standard are described in this document and they are marked in yellow colour.

The information provided through API Open Banking is in both Czech and English.

The allowed character set is based exclusively on the SWIFT character set (i.e., exclusively without diacritics). Only one query can be sent and processed during a single call.

A paginated list can be requested for all AIS services. The page and size query parameters are used for this query. Each source that allows for requesting a paginated list has this feature explicitly listed. The return responses to these API calls will then contain the parameters of a paginated response.

Error reporting

Reporting quarantined errors or calling them always takes place via the mailbox api@kb.cz. The e-mail sent must contain the following information, in case the required information is missing, it will not be possible to process the query or error.

PSD2 API: CZ, SK

Environment: Sandbox, Production

Whether it was called from FE Sandbox incl. the type and version of the browser used or, in the case of a BE call, the name and version of the program for the BE call

Request type

Date and time of the call

IP address

The error and its most accurate description, which can be supplemented with the appropriate screenshot

Without the above values, it is not possible to solve the reported error.

2. List of Client's Payment Accounts – Resource Characteristics

| | |
|-----------------------|---|
| URI: | /my/accounts{?size,page,sort,order} |
| HTTP Metoda: | GET |
| Request URL: | https://api.kb.cz/serverapi/aisp/v2/my/accounts |
| Authorization: | the request requires an authorisation by the user/client as part of the API call. |
| Certification: | the request requires the use of the third party qualified certificate as part of establishing two-way TSL communication with the server. The third party is identified by verifying the validity and content of this certificate. |
| Pagination: | yes |
| Sorting: | no |
| Filtering: | no |

Supported encoding: charset=UTF-8

Query parameters of the request

| Parameter | Type | Mandatory | Purpose |
|-----------|------|-----------|---|
| size | Int | No | Pagination. A number of records on the page. |
| page | Int | No | Pagination. The required page. + Default: 0. |
| sort | Text | No | A list of fields for sorting separated with a comma and sorted in order of importance. Not supported. |
| order | Text | No | A list of types of sorting (ASC, DESC) separated with a comma. The order matches the order of the fields in the 'sort' parameter. Not supported. |

Example of the API call curl:

```
curl -X GET --header 'Accept: application/json' --header 'x-request-id: 12345' --header 'Authorization: Bearer INPUT_ACCESS_TOKEN_HERE' 'https://api.kb.cz/serverapi/aisp/v1/my/accounts?size=2&page=1&sort=iban'
```

Request header parameters

| Parameter | Type | Mandatory | Purpose |
|---------------------------|-------------|-----------|---|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| API-key | Text | Ne | An optional string issued to a communicating third party as the call identifier of that party primarily serving as the configuration element of communication. Not supported. |
| Authorization | Text | Yes | A parameter used for forwarding the authenticated user's access token along with its type. |
| TPP-Name | Text | Yes | The name of the original TPP that created the request. Eg. 'Star corporation, a.s.' |
| TPP-Identification | Text | No | The identification (licence number) of the original TPP that created the request. Eg. 'CZ013574-15' |
| x-request-id | Text | No | A unique identification of the caller's each particular query. The value of this parameter should therefore be generated randomly, and the individual x-request-ids of the same caller within a short time interval should not be identical. This parameter service returns responses to the calling system within response headers. |

Example of request headers:

```
{
```

```
"Accept": "application/json",
"x-request-id": "12345",
}
```

Response header parameters

| Parameter | Type | Mandatory | Purpose |
|--------------|------|-----------|--|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| x-request-id | Text | No | Returns the original request id of the API call. |

Example of response headers:

```
{
Date: Mon, 18 Mar 2019 09:57:26 GMT
x-request-id: 85638
x-response-id: urn:uuid:521c7fb7-b5eb-412f-8b7d-54b61e35f07c
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET
Access-Control-Allow-Headers: authorization,Access-Control-Allow-Origin,Content-Type,SOAPAction
Content-Language: cs
Content-Type: application/json; charset=utf-8
Keep-Alive: timeout=60, max=10000
Connection: Keep-Alive
Transfer-Encoding: chunked
Strict-Transport-Security: max-age=16070400; includeSubDomains }
```

Error codes defined for the GET service – List of Client’s Payment Accounts

| HTTP status code | Error code | Purpose |
|------------------|-------------------|--|
| 401 | UNAUTHORISED | Invalid/missing access token = the user has not been authenticated |
| 401 | UNAUTHORISED | Invalid/ missing certificate = the provider has not been authenticated |
| 404 | PAGE_NOT_FOUND | The query concerns a non-existent page |
| 400 | PARAMETER_INVALID | The parameter value is not valid |
| 400 | NARR | [AccessDenied - Unauthorized access to account] |
| 400 | NARR | [AccessDenied - User is not in active state] |
| 400 | NARR | [AccessDenied - Debtor payment account is not available in internet banking] |
| 400 | AC12 | [InvalidAccountType] |
| 400 | NARR | [AccessDenied - Client is not in active state] |

Example of response headers:

```
{
  "errors": [
    {
      "error": "ERR_CODE_401",
      "message": "UNAUTHORISED"
    }
  ]
}
```

Komerční banka provides the information about the payment account and transaction history in the following structure:

Elements of the response message – List of Client’s Payment Accounts

| Level | Message element | Occurrence | Payment type | Format type | Presentation |
|-------|-----------------|------------|--------------|------------------------|---|
| + | accounts | [1..1] | AISP | ± | Collection of client’s accounts |
| ++ | id | [1..1] | AISP | Text | API Identifier of the payment account |
| ++ | identification | [1..1] | AISP | ± | Debtor’s account identification |
| +++ | iban | [1..1] | AISP | IBAN2007Identifier | IBAN |
| +++ | other | [0..1] | AISP | Max35Text | Another identifier, e.g. debtor’s account number |
| ++ | currency | [0..1] | AISP | CurrencyCode, ISO 4217 | Debtor’s account currency |
| ++ | servicer | [1..1] | AISP | ± | The identification information of the bank the account is served by - bankCode - countryCode - bic |
| +++ | bankCode | [0..1] | AISP | Text | Bank code in national format |
| +++ | countryCode | [0..1] | AISP | CountryCode, ISO 3166 | Bank’s country code |
| +++ | bic | [0..1] | AISP | Max35Text | Bank’s BIC |
| ++ | name18N | [0..1] | AISP | Text | Account name |
| ++ | product18N | [0..1] | AISP | Text | Product name |
| ++ | ownersNames | [0..1] | AISP | Array of Max100Text | Array of Surname/s and first name/s of the account holder for consumers or trade name for commercial clients. |

JSON – example of a response:

```
{
  "pageNumber": 1,
  "pageCount": 11,
}
```

```

"pageSize": 1,
"nextPage": 2,
"accounts": [ {
  "id": "Rn133fW7M2MJq5owXc5YbwwjR7BC5UCBzBnovdhUU9mLyMXp-
NY8WXDVXVjePM9NJAversuceCtoUpqxJzJQlw",
  "identification": {
    "iban": "CZ7301000901148109130227",
    "other": 901148109130227
  },
  "currency": "USD",
  "servicer": {
    "bankCode": "0100",
    "countryCode": "CZ",
    "bic": "KOMBCZPPXXX"
  },
  "nameI18N": "Muj hlavni osobni ucet",
  "productI18N": "Běžný účet/Current account",
  "ownersNames": [
    "Novak Jan"
  ]
}
]
}
}
}

```

Multi-currency accounts with currency subfolders will break down into individual accounts (per currency).

Each currency subfolder will have its own unique "id" in the response, which will consist of 1.) IBAN account and 2.) currency.

JSON - example of Response for a list of accounts:

```

"accounts":
{
  "pageNumber": 0,
  "pageCount": 1,
  "pageSize": 20,
  "nextPage": 0,
  "accounts": [
    {
      "id":
      "cjJDa1k2OTlrZEtocGFpdmhdhcVdOWThYL1VtMnlySjFMQS96dE16MT11UudDWW9ldjVYa1NzR2NkTGNl
      Rk9QODdrNzYrc1RaT01kU0VBdHFrakVVUIE9PQ",
      "identification": {
        "iban": "CZ7701000000000102163257",
        "other": "102163257"
      },
      "currency": "EUR",
      "servicer": {
        "bankCode": "0100",
        "countryCode": "CZ",
        "bic": "KOMBCZPPXXX"
      },
      "productI18N": "Běžný účet/Current account",
      "ownersNames": ["NOVAK JAN"]
    },
    {

```

```
"id":  
"b1Z1UWFoazd0dUs2WFdYVjvZNERnVW1QR1Voa0h6RzNsZS9HQXIZNzVma2RGSFdCZUN3MEFFZUloa  
XBQWFRkL3FLSWlhQk8xRzZKS1B2Yzk5aTFuaGc9PQ",  
  "identification": {  
    "iban": "CZ7701000000000102163257",  
    "other": "102163257"  
  },  
  "currency": "CZK",  
  "servicer": {  
    "bankCode": "0100",  
    "countryCode": "CZ",  
    "bic": "KOMBCZPPXXX"  
  },  
  "productI18N": "Běžný účet/Current account",  
  "ownersNames": ["NOVAK JAN"]  
},  
{  
  "id":  
"STRSYkc1eWswOUI6VGNOeU5EYUpCWWUvV3pSVUM1cTI3NkxoZndNVnUrRzFmKzhsbTV3M0hpanBF  
NEIxMDIFWHdCZFZNb2xIYmV2VIIYNWk2dGxMcGc9PQ",  
  "identification": {  
    "iban": "CZ7701000000000102163257",  
    "other": "102163257"  
  },  
  "currency": "USD",  
  "servicer": {  
    "bankCode": "0100",  
    "countryCode": "CZ",  
    "bic": "KOMBCZPPXXX"  
  },  
  "productI18N": "Běžný účet/Current account",  
  "ownersNames": ["NOVAK JAN"]  
},  
}
```

3. Client's Payment Account Balance – Resource Characteristics

A balance of the client's particular account according to the account's reference id.

For a **Multicurrency account**, the "currency" parameter in the header parameters will not affect the content of the Response, but if TPP fills it, we will validate that the currency corresponds to the currency hashed in the account id. If it is different, we will return an error: 400 - AC09 – InvalidAccountCurrency. We will return the balance only for the currency subfolder, which is hashed in the account id.

We do not return the total balance of the Multicurrency Account (for all subfolders).

| | |
|-----------------------|---|
| URI: | /my/accounts/{id}/balance{?currency} |
| HTTP Method: | GET |
| Request URL: | https://api.kb.cz/serverapi/aisp/v2/my/accounts/{id}/balance{?currency} |
| Authorization: | the request requires an authorisation by the user/client as part of the API call. |
| Certification: | the request requires the use of the third party qualified certificate as part of establishing two-way TSL communication with the server. The third party is identified by verifying the validity and content of this certificate. |
| Pagination: | no |
| Sorting: | no |
| Filtering: | no |

Supported encoding: charset=UTF-8

Path parameter of the request

| Parameter | Type | Mandatory | Purpose |
|-----------|------|-----------|--|
| id | Text | Yes | Client's account system identifier in the hashed format. |

Query parameters of the request

| Parameter | Type | Mandatory | Purpose |
|-----------|------|-----------|--|
| currency | Text | Ne | The required currency of the account. It must match the currency in which the account is held with KB. |

Example of the API call curl:

```
curl -X GET --header 'Accept: application/json' --header 'x-request-id: 12345' --header 'Authorization: Bearer INPUT_ACCESS_TOKEN_HERE' 'https://api.kb.cz/serverapi/aisp/v1/my/accounts/C2D2DDBCA5415621A34BB1BB234DC1322EA641A3/balance'
```

Request header parameters

| Parameter | Type | Mandatory | Purpose |
|----------------------|------|-----------|--|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| API-key | Text | Ne | An optional string issued to a communicating third party as the call identifier of that party primarily serving as the configuration element of communication. Not supported. |
| Authorization | Text | Yes | A parameter used for forwarding the authenticated user's access token along with its type. |
| TPP-Name | Text | Yes | The name of the original TPP that created the request. Eg. 'Star |

| | | | |
|---------------------------|------|----|--|
| | | | corporation, a.s.’ |
| TPP-Identification | Text | No | The identification (licence number) of the original TPP that created the request. Eg. ‘CZ013574-15’ |
| x-request-id | Text | No | A unique identification of the caller’s each particular query. The value of this parameter should therefore be generated randomly, and the individual x-request-ids of the same caller within a short time interval should not be identical. This parameter service returns responses to the calling system within response headers. |

Example of request headers:

```
{
  "Accept": "application/json",
  "x-request-id": "12345",
}
```

Account Balance response elements

| Level | Message element | Occurrence | Payment type | Format type | Presentation |
|-------|-------------------|------------|--------------|--------------|--|
| + | balances | [1..1] | AISP | ± | A collection of the client’s payment account balance |
| ++ | type | [1..1] | AISP | ± | A designation of the balance type to which the information about the balance pertains |
| +++ | codeOrProprietary | [1..1] | AISP | ± | |
| ++++ | code | [1..1] | AISP | Balance type | Balance type codes |
| ++ | creditLine | [0..1] | AISP | ± | An amount of the agreed authorised overdraft/overdraft facility |
| +++ | included | [0..1] | AISP | Boolean | Indicates whether the allowed debit is included in balance |
| +++ | amount | [0..1] | AISP | ± | An amount of the agreed authorised overdraft |
| ++++ | value | [0..1] | AISP | Number | An amount of the agreed authorised overdraft |
| ++++ | currency | [0..1] | AISP | Text | The currency corresponds to the currency of the account to which the generated statement pertains |
| ++ | amount | [1..1] | AISP | ± | The value/amount of the account balance, depending on the balance type. The currency corresponds to the currency of the account to which the generated statement pertains. |

| | | | | | |
|-----|----------------------|--------|------|--------|--|
| +++ | value | [1..1] | AISP | Number | Account balance amount |
| +++ | currency | [1..1] | AISP | Text | The currency corresponds to the currency of the account to which the generated statement pertains |
| ++ | creditDebitIndicator | [1..1] | AISP | Text | An indicator showing whether the balance of the account to which the generated statement pertains is greater or less than zero |
| ++ | date | [1..1] | AISP | ± | The date (and time) of the balance of the account to which the generated statement pertains. The format corresponds to the ISO 8601. |
| +++ | dateTime | [1..1] | AISP | Text | The date (or date and time) of the balance as per the ISO 8601 |

JSON – example of a response:

```
{
  "balances": [
    {
      "type": {"codeOrProprietary": {"code": "CLAV"}},
      "creditLine": {
        "included": false,
        "amount": {
          "value": 0,
          "currency": "USD"
        }
      },
      "amount": {
        "value": 6157.08,
        "currency": "USD"
      },
      "creditDebitIndicator": "CRDT",
      "date": {"dateTime": "2019-03-18T11:23:42.210+01:00"}
    },
    {
      "type": {"codeOrProprietary": {"code": "PRCD"}},
      "creditLine": {
        "included": false,
        "amount": {
          "value": 0,
          "currency": "USD"
        }
      },
      "amount": {
        "value": 6157.08,
        "currency": "USD"
      },
      "creditDebitIndicator": "CRDT",
      "date": {"dateTime": "2019-03-18T11:23:42.210+01:00"}
    }
  ]
}
```

```
}
}}
```

Return types of balances in the “codeOrProprietary” parameter

| Code | Description |
|------|--|
| PRCD | PreviouslyClosedBooked – initial balance |
| CLAV | Closing available – available balance |
| CLBD | ClosingBooked – closing balance. Not supported. |

Return types of balances in the “creditDebitIndicator” parameter

| Code | Description |
|------|----------------------------|
| DBIT | Balance < 0 |
| CRDT | Balance > 0 or Balance = 0 |

Response header parameters

| Parameter | Type | Mandatory | Purpose |
|---------------------|-------------|-----------|--|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| x-request-id | Text | No | Returns the original request id of the API call. |

Example of response headers:

```
{
Date: Mon, 18 Mar 2019 10:23:42 GMT
x-request-id: 51518
x-response-id: urn:uuid:4d9a8ec7-d8c1-4495-8c6e-7d864f39ce45
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET
Access-Control-Allow-Headers: authorization,Access-Control-Allow-Origin,Content-Type,SOAPAction
Content-Language: cs
Content-Type: application/json; charset=utf-8
Keep-Alive: timeout=60, max=10000
Connection: Keep-Alive
Transfer-Encoding: chunked
Strict-Transport-Security: max-age=16070400; includeSubDomains
}
```

Error codes defined for the GET service – Payment account balance

| HTTP status kód | Error kód | Účel |
|-----------------|--------------|---|
| 401 | UNAUTHORISED | Invalid/missing access token = the user has not been authenticated |
| 401 | UNAUTHORISED | Invalid/missing certificate = the provider has not been authenticated |
| 404 | ID_NOT_FOUND | Invalid/unknown account ID |

| | | |
|-----|------|--|
| 400 | AC09 | [InvalidAccountCurrency] – in case of multicurrency accounts, or the exchange list shows an unsupported currency |
| 400 | NARR | [AccessDenied - Unauthorized access to account] |
| 400 | NARR | [AccessDenied - User is not in active state] |
| 400 | NARR | [AccessDenied - Debtor payment account is not available in internet banking] |
| 400 | AC12 | [InvalidAccountType] |
| 400 | NARR | [AccessDenied - Client is not in active state] |

JSON – example of an error message body:

```
{"errors": [{  
  "error": "AC09",  
  "message": "InvalidAccountCurrency"  
}]}
```


4. Client's payment account transaction history – Resource Characteristics

Paginated list of transactions of the selected client account.

For **Multicurrency accounts** with currency subfolders, we return only those transactions whose currency corresponds to the currency specified in the request for the relevant account id (if there are no transactions in the given subfolder, an empty list is returned). If the currency field is not filled in the request, we will return the transactions of all currency subfolders, i.e. the history of transactions for the entire account.

| | |
|-----------------------|---|
| URI: | /my/accounts/{id}/transactions{?fromDate,toDate,currency,size,page,sort,order} |
| HTTP Method: | GET |
| Request URL: | https://api.kb.cz/serverapi/aisp/v2/my/accounts/{id}/transactions{?fromDate,toDate,currency,size,page,sort,order} |
| Authorization: | the request requires an authorisation by the user/client as part of the API call. |
| Certification: | the request requires the use of the third party qualified certificate as part of establishing two-way TSL communication with the server. The third party is identified by verifying the validity and content of this certificate. |
| Pagination: | yes |
| Sorting: | no |
| Filtering: | no |

Supported encoding: charset=UTF-8

Path parameter request

| Parameter | Type | Mandatory | Purpose |
|-----------|------|-----------|-------------------------------------|
| id | Text | Ano | Client's account system identifier. |

Query parameters of the request

| Parameter | Type | Mandatory | Purpose |
|-----------|------|-----------|--|
| currency | Text | Ne | The required currency of the account. It must match the currency in which the account is held with KB. |
| fromDate | Text | Ne | The initial date and time of the required transaction history. According to ISO 8601. The date must be in the YYYY-MM-DD format without stating the specific time. |
| toDate | Text | Ne | The final date and time of the transaction history [including]. The date must be in the YYYY-MM-DD format without stating the specific time. |
| size | Int | Ne | Pagination. A number of records on the page. |
| page | Int | Ne | Pagination. The required page. + Default: 0 |
| sort | Text | Ne | A list of fields for sorting separated with a comma and sorted in order of importance. Not supported. |
| order | Text | Ne | A list of types of sorting (ASC, DESC) separated with a comma. The order matches the order of the fields in the 'sort' parameter. |

Transaction order is supported only by date, default order is DESC (from newest to oldest).

Example of the API call curl:

```
curl -X GET --header 'Accept: application/json' --header 'x-request-id: 12345' --header 'Authorization: Bearer INPUT_ACCESS_TOKEN_HERE' 'https://api.kb.cz/serverapi/aisp/v1/my/accounts/CZ950100000001234567899/transactions'
```

Request header parameters

| Parameter | Type | Mandatory | Purpose |
|---------------------------|------|-----------|--|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| API-key | Text | Ne | An optional string issued to a communicating third party as the call identifier of that party primarily serving as the configuration element of communication. Not supported. |
| Authorization | Text | Yes | A parameter used for forwarding the authenticated user's access token along with its type. |
| TPP-Name | Text | Yes | The name of the original TPP that created the request. Eg. 'Star corporation, a.s.' |
| TPP-Identification | Text | No | The identification (licence number) of the original TPP that created the request. Eg. 'CZ013574-15' |
| x-request-id | Text | No | A unique identification of the caller's each particular query. The value of this parameter should therefore be generated randomly, and the individual x-request-ids of the same caller within a short time interval should not be identical. This parameter service returns responses to the calling system within response headers. |

Example of request headers:

```
{
  "Accept": "application/json",
  "x-request-id": "12345",
}
```

Response header parameters

| Parameter | Type | Mandatory | Purpose |
|---------------------|------|-----------|--|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| x-request-id | Text | No | Returns the original request id of the API call. |

Example of response headers:

```
{
Date: Mon, 18 Mar 2019 10:28:41 GMT
x-request-id: 17549
x-response-id: urn:uuid:df1cb535-6332-4184-8346-e0742c43706e
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET
Access-Control-Allow-Headers: authorization,Access-Control-Allow-Origin,Content-Type,SOAPAction
Content-Language: cs
Content-Type: application/json; charset=UTF-8
Keep-Alive: timeout=60, max=10000
Connection: Keep-Alive
Transfer-Encoding: chunked
Strict-Transport-Security: max-age=16070400; includeSubDomains }
```

Error codes defined for the GET service – Payment account transaction history

| HTTP status kód | Error kód | Účel |
|-----------------|-----------|------|
|-----------------|-----------|------|

| | | |
|-----|-------------------|---|
| 401 | UNAUTHORISED | Invalid/missing access token = the user has not been authenticated |
| 401 | UNAUTHORISED | Invalid/missing certificate = the provider has not been authenticated |
| 404 | ID_NOT_FOUND | Invalid/unknown account ID |
| 404 | PAGE_NOT_FOUND | The query concerns a non-existent page |
| 400 | PARAMETER_INVALID | The parameter value is not valid |
| 400 | AC09 | [InvalidAccountCurrency] – in case of multicurrency accounts *), or the exchange list shows an unsupported currency |
| 400 | DT01 | [InvalidDate] Invalid date |
| 400 | NARR | [AccessDenied - Unauthorized access to account] |
| 400 | NARR | [AccessDenied - User is not in active state] |
| 400 | NARR | [AccessDenied - Debtor payment account is not available in internet banking] |
| 400 | AC12 | [InvalidAccountType] |
| 400 | NARR | [AccessDenied - Client is not in active state] |
| 400 | NARR | Request for transaction history without SCA exceeded 90 days "message": "ACCESS_TOKEN_EXPIRED – note.- an error is recorded here, it is not an access token, but an expired refresh token. |

***) For Multicurrency accounts, if the currency field contains a different currency than the account id field, error 400 - AC09 – InvalidAccountCurrency will be returned.**

Client's payment account transaction history – response elements

| Level | Message element | Format type | Presentation |
|-------|----------------------|-----------------|--|
| + | entryReference | Max35Text | Payment ID number assigned by the bank. |
| + | amount | Amount | The payment currency expressed in the currency of the account to which the generated statement relates. |
| ++ | value | Amount | |
| ++ | currency | CurrencyCode | |
| + | creditDebitIndicator | CreditDebitCode | Indicator showing whether the payment is debited or credited to the account. A debited / credited payment is indicated by one of the |

| | | | |
|-----|---------------------|--------------------|--|
| | | | below codes. DBIT: debited payment; CRDT: all other cases. |
| + | reversalIndicator | TrueFalseIndicator | Indicator showing whether or not it is a reversal (cancellation). It is expressed using one of the below codes: true = reversal, false = no reversal. |
| + | status | Code | Status of the item in the account (credited or debited payment) from the bank's point of view. The statement only shows booked items (BOOK constant) or blocked items (PDNG constant). |
| + | bookingDate | ± | Date of the payment processing/entering in the accounts (booking) by the bank in the ISODate or ISODateTime format, i.e. YYYY-MM-DD, or YYYY-MM-DDThh:mm:ss.sTZD. |
| ++ | date | ISODate | Date of the payment processing/entering in the accounts (booking) by the bank in the ISODate format, i.e. YYYY-MM-DD |
| + | valueDate | ± | Maturity/value date of the payment in the ISODate or ISODateTime format, i.e. YYYY-MM-DD, or YYYY-MM-DDThh:mm:ss.sTZD. |
| ++ | date | ISODate | Maturity/value date of the payment in the ISODate format, i.e. YYYY-MM-DD |
| + | bankTransactionCode | ± | Ancestor element to the bank transaction code as per the code list – see bankTransactionCode. |
| ++ | proprietary | ± | Ancestor element to the bank transaction code as per the code list – see bankTransactionCode. |
| +++ | code | Max35Text | Bank transaction code as per the code list – see bankTransactionCode. |
| +++ | issuer | Max35Text | Identification of the bank transaction code list issuer, which takes its value from the Czech Banking Association list. |
| + | entryDetails | ± | Turnover details. This level |

| | | | |
|------|----------------------------------|-----------|---|
| | | | occurs only once in each given item |
| ++ | transactionDetails | ± | Payment details. This level occurs only once in each given item. |
| +++ | references | ± | Set of references that unequivocally identify the payment. |
| ++++ | messageIdentification | Max35Text | Received payment identification entered by the client when initiating the payment, or a sequence of the given payment in the payment history statement. |
| ++++ | accountServicerReference | Max35Text | Bank reference assigned to the given payment, e.g. when initiated via direct banking services. |
| ++++ | paymentInformationIdentification | Max35Text | Other bank reference assigned to the payment allotted by the bank; in case of card payments, a payment card sequence number can be filled in, or alternatively the specific symbol. |
| ++++ | mandateIdentification | Max35Text | Payment identification entered by a third party, or alternatively the specific symbol. |
| ++++ | endToEndIdentification | Max35Text | Unique identification entered by the client who initiates the payment; it allows for an unequivocal identification of the payment and is forwarded, unaltered, throughout the payment chain, as the case may be, the variable symbol may be entered here. |
| ++++ | mandateIdentification | Max35Text | In case of SEPA Direct Debits (SDD), a Unique Mandate Reference is specified for a given SDD as a mandatory field [1..1]. |
| ++++ | chequeNumber | Max35Text | In case of cheque transactions or card transactions, a cheque number or a card number with asterisks can be inputted here; respectively. The card number is always in the xxxxxxxxxxxx1234 format, where the standard |

| | | | |
|-------|-------------------------|--------------|--|
| | | | only allows for digits from 0 to 9 (8-28 characters) i.e. without the xxxx substitution. |
| ++++ | clearingSystemReference | Max35Text | Code list value defined by the bank to identify the payment type, or a used payment type name. A card association can be identified here in case of card payments. |
| +++ | amountDetails | + | Details concerning the payment amount, especially in case of a converse payment or Cashback. |
| ++++ | instructedAmount | + | Amount and currency of the payment expressed in the currency required by the client for the transfer. E.g., in the case of intrabank payments, it is the currency in which the debtor's account is denominated and, at the same time, the payment amount, if the client instructed that the payment should be made in the debtor's account currency. |
| +++++ | amount | Amount | Amount and currency of the payment expressed in the currency in which the client's account is denominated, after the conversion of the amount required by the client for the transfer. |
| +++++ | value | Amount | |
| +++++ | currency | CurrencyCode | |
| ++++ | transactionAmount | + | Amount and currency of the payment for cumulated payments and Cashback. |
| +++++ | amount | Amount | Amount and currency of the payment for cumulated payments and Cashback, where the total payment amount including Cashback is filled in. |
| +++++ | value | Amount | |
| +++++ | currency | CurrencyCode | |
| ++++ | counterValueAmount | + | Amount and currency of the payment expressed in the currency in which the |

| | | | |
|-------|-------------------|--------------|--|
| | | | client's account is denominated, after the conversion of the amount required by the client for the transfer. |
| +++++ | amount | Amount | Ultimate amount and currency of the payment required by the client for the transfer. |
| +++++ | value | Amount | |
| +++++ | currency | CurrencyCode | |
| +++++ | currencyExchange | + | Information about the used currencies and exchange rates. |
| +++++ | sourceCurrency | CurrencyCode | Client's account currency (source/original currency / debtor's account currency for intrabank conversion payments). |
| +++++ | targetCurrency | CurrencyCode | Currency of the payment (target currency / creditor's account currency for intrabank conversion payments). |
| +++++ | exchangeRate | BaseOneRate | Exchange rate used for entering the payment into the accounts. One rate is filled-in only, even in the case of a cross conversion. |
| ++++ | proprietaryAmount | + | Amount of cash withdrawn via Cashback. |
| +++++ | type | Max35Text | 'CASHBACK' constant is to be filled in. |
| +++++ | amount | Amount | Cashback amount and currency – only the portion of the payment withdrawn in cash via Cashback. |
| +++++ | value | Amount | |
| +++++ | currency | CurrencyCode | |
| +++ | charges | + | Information about charges. |
| +++++ | bearer | Code | Identification of the bearer of the charges (OUR, SHA, BEN). |
| +++ | relatedParties | + | Information about the debtor, debtor's account, ultimate debtor, and the creditor, creditor's account, ultimate creditor, as specified in the payment instruction. |

| | | | |
|-------|----------------------------|---------------|---|
| ++++ | debtor | + | Information about the debtor. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | name | Max140Text | Debtor's name. |
| +++++ | postalAddress | + | Debtor's postal address. |
| +++++ | streetName | Max70Text | Street name used in the debtor's postal address. |
| +++++ | buildingNumber | Max16Text | Building number used in the debtor's postal address. |
| +++++ | postCode | Max16Text | Postal code used in the debtor's postal address. |
| +++++ | townName | Max35Text | Town name used in the debtor's postal address. |
| +++++ | country | CountryCode | Country name used in the debtor's postal address. |
| +++++ | addressLine | Max70Text | Debtor's postal address in an unstructured format. |
| +++++ | identification | + | Identification of the debtor. |
| +++++ | organisationIdentification | + | Unique identification of the debtor as an organization/legal person. |
| +++++ | bicOrBei | BICIdentifier | Identification of the debtor as an organization/legal person in the form of the BIC or BEI code. |
| +++++ | other | + | Other identification of the debtor as an organization/legal person. |
| +++++ | identification | Max35Text | Other identification of the debtor as an organization/legal person in an unstructured format. |
| +++++ | schemeName | + | Type of the code identifying the debtor as an organization/legal person. |
| +++++ | code | Code | Type of the code identifying the debtor as an organization/legal person in the form of a code as per the ISO code list. |
| +++++ | proprietary | Max35Text | Type of the code identifying the debtor as an organization/legal person in a free text format. |
| +++++ | issuer | Max35Text | Issuer of the code identifying the debtor as an organization/legal person. |

| | | | |
|---------|-----------------------|--------------------|--|
| +++++ | privateIdentification | + | Unique identification of the debtor as a natural person. |
| ++++++ | other | + | Other identification of the debtor as a natural person. |
| +++++++ | identification | Max35Text | Other identification of the debtor as a natural person in an unstructured format. |
| +++++++ | schemaName | + | Type of the code identifying the debtor as a natural person. |
| +++++++ | code | Code | Type of the code identifying the debtor as a natural person in the form of a code as per the ISO code list. |
| +++++++ | proprietary | Max35Text | Type of the code identifying the debtor as a natural person in a free text format. |
| +++++++ | issuer | Max35Text | Issuer of the code identifying the debtor as a natural person. |
| ++++ | debtorAccount | + | Information about the debtor's account. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | identification | + | Debtor's account type identification. |
| +++++ | iban | IBAN2007Identifier | Debtor's account number in the IBAN international format. |
| +++++ | other | + | Debtor's account number expressed in other/local format. |
| +++++++ | identification | Max34Text | Value of debtor's account number expressed in other/local format. |
| +++++ | currency | CurrencyCode | Debtor's account currency. |
| +++++ | name | Max70Text | Debtor's account name. |
| ++++ | ultimateDebtor | + | Information about the ultimate debtor. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | name | Max140Text | Ultimate debtor's name. |
| +++++ | postalAddress | + | Ultimate debtor's postal address. |
| +++++ | streetName | Max70Text | Street name used in the ultimate debtor's postal address. |

| | | | |
|---------|----------------------------|---------------|--|
| +++++ | buildingNumber | Max16Text | Building number used in the ultimate debtor's postal address. |
| +++++ | postCode | Max16Text | Postal code used in the ultimate debtor's postal address. |
| +++++ | townName | Max35Text | Town name used in the ultimate debtor's postal address. |
| +++++ | country | CountryCode | Country name used in the ultimate debtor's postal address. |
| +++++ | addressLine | Max70Text | Ultimate debtor's postal address in an unstructured format. |
| +++++ | identification | + | Identification of the ultimate debtor. |
| +++++ | organisationIdentification | + | Unique identification of the ultimate debtor as an organization/legal person. |
| ++++++ | bicOrBei | BICIdentifier | Identification of the ultimate debtor as an organization/legal person in the form of the BIC or BEI code. |
| ++++++ | other | + | Other identification of the ultimate debtor as an organization/legal person. |
| +++++++ | identification | Max35Text | Other identification of the ultimate debtor as an organization/legal person in an unstructured format. |
| +++++++ | schemeName | + | Type of the code identifying the ultimate debtor as an organization/legal person. |
| +++++++ | code | Code | Type of the code identifying the ultimate debtor as an organization/legal person in the form of a code as per the ISO code list. |
| +++++++ | proprietary | Max35Text | Type of the code identifying the ultimate debtor as an organization/legal person in a free text format. |
| +++++++ | issuer | Max35Text | Issuer of the code identifying the ultimate debtor as an organization/legal person. |
| +++++ | privateIdentification | + | Unique identification of the ultimate debtor as a natural person. |

| | | | |
|---------|----------------------------|---------------|--|
| ++++++ | other | + | Other identification of the ultimate debtor as a natural person. |
| +++++++ | identification | Max35Text | Other identification of the ultimate debtor as a natural person in an unstructured format. |
| +++++++ | schemaName | + | Type of the code identifying the ultimate debtor as a natural person. |
| +++++++ | code | Code | Type of the code identifying the ultimate debtor as a natural person in the form of a code as per the ISO code list. |
| +++++++ | proprietary | Max35Text | Type of the code identifying the ultimate debtor as a natural person in a free text format. |
| +++++++ | issuer | Max35Text | Issuer of the code identifying the ultimate debtor as a natural person. |
| ++++ | creditor | + | Information about the creditor. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | name | Max140Text | Creditor's name. |
| +++++ | postalAddress | + | Creditor's postal address. |
| +++++ | streetName | Max70Text | Street name used in the creditor's postal address. |
| +++++ | buildingNumber | Max16Text | Building number used in the creditor's postal address. |
| +++++ | postCode | Max16Text | Postal code used in the creditor's postal address. |
| +++++ | townName | Max35Text | Town name used in the creditor's postal address. |
| +++++ | country | CountryCode | Country name used in the c. |
| +++++ | addressLine | Max70Text | Creditor's postal address in an unstructured format. |
| +++++ | identification | + | Identification of the creditor. |
| +++++ | organisationIdentification | + | Unique identification of the creditor as an organization/legal person. |
| +++++++ | bicOrBei | BICIdentifier | Identification of the creditor as an organization/legal person in the form of the BIC or BEI code. |

| | | | |
|---------|-----------------------|--------------------|---|
| ++++++ | other | + | Other identification of the creditor as an organization/legal person. |
| +++++++ | identification | Max35Text | Other identification of the creditor as an organization/legal person in an unstructured format. |
| +++++++ | schemeName | + | Type of the code identifying the creditor as an organization/legal person. |
| +++++++ | code | Code | Type of the code identifying the creditor as an organization/legal person in the form of a code as per the ISO code list. |
| +++++++ | proprietary | Max35Text | Type of the code identifying the creditor as an organization/legal person in a free text format. |
| +++++++ | issuer | Max35Text | Issuer of the code identifying the creditor as an organization/legal person. |
| +++++ | privateIdentification | + | Unique identification of the creditor as a natural person. |
| +++++ | other | + | Other identification of the creditor as a natural person. |
| +++++++ | identification | Max35Text | Other identification of the creditor as a natural person in an unstructured format. |
| +++++++ | schemaName | + | Type of the code identifying the creditor as a natural person. |
| +++++++ | code | Code | Type of the code identifying the creditor as a natural person in the form of a code as per the ISO code list. |
| +++++++ | proprietary | Max35Text | Type of the code identifying the creditor as a natural person in a free text format. |
| +++++++ | issuer | Max35Text | Issuer of the code identifying the creditor as a natural person. |
| ++++ | creditorAccount | + | Information about the creditor's account. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | identification | + | Creditor's account type identification. |
| +++++ | iban | IBAN2007Identifier | Creditor's account number in the IBAN international |

| | | | |
|-------|----------------------------|---------------|---|
| | | | format. |
| +++++ | other | + | Creditor's account number expressed in other/local format. |
| +++++ | identification | Max34Text | Value of creditor's account number expressed in other/local format. |
| +++++ | currency | CurrencyCode | Creditor's account currency. |
| +++++ | name | Max70Text | Creditor's account name. |
| ++++ | ultimateCreditor | + | Information about the ultimate creditor. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | name | Max140Text | Ultimate creditor's name. |
| +++++ | postalAddress | + | Ultimate creditor's postal address. |
| +++++ | streetName | Max70Text | Street name used in the ultimate creditor's postal address. |
| +++++ | buildingNumber | Max16Text | Building number used in the ultimate creditor's postal address. |
| +++++ | postCode | Max16Text | Postal code used in the ultimate creditor's postal address. |
| +++++ | townName | Max35Text | Town name used in the ultimate creditor's postal address. |
| +++++ | country | CountryCode | Country name used in the ultimate creditor's postal address. |
| +++++ | addressLine | Max70Text | Ultimate creditor's postal address in an unstructured format. |
| +++++ | identification | + | Identification of the ultimate creditor. |
| +++++ | organisationIdentification | + | Unique identification of the ultimate creditor as an organization/legal person. |
| +++++ | bicOrBei | BICIdentifier | Identification of the ultimate creditor as an organization/legal person in the form of the BIC or BEI code. |
| +++++ | other | + | Other identification of the ultimate creditor as an organization/legal person. |
| +++++ | identification | Max35Text | Other identification of the |

| | | | |
|---------|-----------------------|-----------|--|
| | | | ultimate creditor as an organization/legal person in an unstructured format. |
| +++++++ | schemeName | + | Type of the code identifying the ultimate creditor as an organization/legal person. |
| +++++++ | code | Code | Type of the code identifying the ultimate creditor as an organization/legal person in the form of a code as per the ISO code list. |
| +++++++ | proprietary | Max35Text | Type of the code identifying the ultimate creditor as an organization/legal person in a free text format. |
| +++++++ | issuer | Max35Text | Issuer of the code identifying the ultimate creditor as an organization/legal person. |
| +++++ | privateIdentification | + | Unique identification of the ultimate creditor as a natural person. |
| +++++ | other | + | Other identification of the ultimate creditor as a natural person. |
| +++++++ | identification | Max35Text | Other identification of the ultimate creditor as a natural person in an unstructured format. |
| +++++++ | schemeName | + | Type of the code identifying the ultimate creditor as a natural person. |
| +++++++ | code | Code | Type of the code identifying the ultimate creditor as a natural person in the form of a code as per the ISO code list. |
| +++++++ | proprietary | Max35Text | Type of the code identifying the ultimate creditor as a natural person in a free text format. |
| +++++++ | issuer | Max35Text | Issuer of the code identifying the ultimate creditor as a natural person. |
| ++++ | proprietary | + | More detailed specification on the ATM at which the card transaction took place. |
| +++++ | type | Max35Text | Specification of a bank's own / other bank's ATM. |
| +++++ | party | + | Specification of the ATM's name / owner. |

| | | | |
|-------|------------------------------------|---------------|---|
| +++++ | name | Max140Text | Specification of the ATM's name / location. |
| +++ | relatedAgents | + | Information about the payment-related debtor's bank and creditor's bank. |
| ++++ | debtorAgent | + | Information about the debtor's bank. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | financialInstitutionIdentification | + | Debtor's bank code expressed in the BIC / SWIFT international code format. Filled-in value (constant): KOMBCZPPXXX. |
| +++++ | bic | BICIdentifier | Debtor's bank BIC / SWIFT code. Filled-in value (constant): KOMBCZPPXXX. |
| +++++ | clearingSystemMemberIdentification | + | Debtor's bank code in a local format – either as a code or a text description. |
| +++++ | clearingSystemIdentification | + | Identification of the debtor's bank in the local payment system in which the debtor's bank operates. |
| +++++ | code | Code | Identification of the debtor's bank in the local payment system in which the debtor's bank operates, in the form of a payment system code. |
| +++++ | proprietary | Max35Text | Identification of the debtor's bank in the local payment system in which the debtor's bank operates, in an unstructured format of a descriptive text. |
| +++++ | memberIdentification | Max35Text | Debtor's bank code in a local format. |
| +++++ | name | Max140Text | Debtor's bank name as given in the SWIFT Directory. Filled-in value (constant): KOMERCNI BANKA A.S. |
| +++++ | postalAddress | + | Debtor's bank postal address. |
| +++++ | streetName | Max70Text | Street name used in the debtor's postal address. |
| +++++ | buildingNumber | Max16Text | Building number used in the debtor's postal address. |
| +++++ | postCode | Max16Text | Postal code used in the debtor's postal address. |

| | | | |
|---------|------------------------------------|---------------|--|
| +++++++ | townName | Max35Text | Town name used in the debtor's postal address. |
| +++++++ | country | CountryCode | Country name used in the debtor's postal address. |
| +++++++ | addressLine | Max70Text | Debtor's postal address in an unstructured format. |
| +++++ | other | + | Other identification of the debtor's bank. |
| +++++++ | identification | Max35Text | Other identification of the debtor's bank, in particular in the form of the so-called local bank code. |
| ++++ | creditorAgent | + | Information about the creditor's bank. Depending on the direction of the payment, filled in for the counterparty. |
| +++++ | financialinstitutionidentification | + | Creditor's bank code expressed in the BIC / SWIFT international code format. Filled-in value (constant): KOMBCZPPXXX. |
| +++++ | bic | BICIdentifier | Creditor's bank BIC / SWIFT code. Filled-in value (constant): KOMBCZPPXXX. |
| +++++ | clearingSystemMemberIdentification | + | Creditor's bank code in a local format – either as a code or a text description. |
| +++++++ | clearingSystemIdentification | + | Identification of the creditor's bank in the local payment system in which the creditor's bank operates. |
| +++++++ | code | Code | Identification of the creditor's bank in the local payment system in which the creditor's bank operates, in the form of a payment system code. |
| +++++++ | proprietary | Max35Text | Identification of the creditor's bank in the local payment system in which the creditor's bank operates in an unstructured format of a descriptive text. |
| +++++++ | memberIdentification | Max35Text | Creditor's bank code in a local format. |
| +++++ | name | Max140Text | Creditor's bank. |
| +++++ | postalAddress | + | Creditor's bank postal address. |

| | | | |
|--------|-----------------------|-------------|--|
| ++++++ | streetName | Max70Text | Street name used in the creditor's postal address. |
| ++++++ | buildingNumber | Max16Text | Building number used in the creditor's postal address. |
| ++++++ | postCode | Max16Text | Postal code used in the creditor's postal address. |
| ++++++ | townName | Max35Text | Town name used in the creditor's postal address. |
| ++++++ | country | CountryCode | Country name used in the creditor's postal address. |
| ++++++ | addressLine | Max70Text | Creditor's postal address in an unstructured format. |
| +++++ | other | + | Other identification of the creditor's bank, in particular in the form of the so-called local bank code. |
| ++++++ | identification | Max35Text | Information about the creditor's bank. Depending on the direction of the payment, filled in for the counterparty. |
| +++ | purpose | + | The purpose of the payment. |
| ++++ | code | Code | The purpose of the payment expressed in the form of the code, as stated in the payment instruction. |
| ++++ | proprietary | Max35Text | The purpose of the payment expressed as unstructured information, as stated in the payment instruction. |
| +++ | remittanceInformation | + | Additional information about the payment. |
| ++++ | unstructured | Max140Text | Additional details concerning the payment filled in as unstructured information. If the unstructured record of the additional details is contained more than once in the payment instruction, only the first occurrence is taken into account. |
| ++++ | structured | + | Payment symbols are expected here (a variable, specific, and constant symbol). If a variable, specific or constant symbol is not filled-in in the payment instruction, the |

| | | | |
|-------|----------------------------------|------------|---|
| | | | entire Structured Remittance Information structure remains blank. |
| +++++ | creditorReferenceInformation | + | Displaying information about the variable, specific, and constant symbol. |
| +++++ | reference | Max35Text | The field should start with 'VS:' (for the variable symbol), or 'SS:' (for the specific symbol), or 'KS:' (for the constant symbol). One repetition of the 'reference' field may contain all 3 symbols, but each of them can occur there only once. The symbols are filled in as follows - VS: KS: SS:)[0-9]{1,10}. |
| +++ | additionalTransactionInformation | Max500Text | Additional information provided by the bank; filled in only if they are contained in the record. Additional information concerning SEPA DD is given here (e.g. Creditor Identifier, Payment scheme, SEPA DD sequence etc.) |

Interest – occurrence of elements

| Level | Message element | Occurrence |
|-------|----------------------|-----------------------------|
| + | entryReference | [0..1] [1..1] |
| + | amount | [1..1] |
| ++ | value | [1..1] |
| ++ | currency | [1..1] |
| + | creditDebitIndicator | [1..1] |
| + | reversalIndicator | [0..1] [0..0] |
| + | status | [1..1] always "BOOK" |
| + | bookingDate | [1..1] |
| ++ | date | [1..1] |
| + | valueDate | [1..1] |
| ++ | date | [1..1] |
| + | bankTransactionCode | [1..1] |
| ++ | proprietary | [1..1] |
| +++ | code | [1..1] |
| +++ | issuer | [1..1] always "CBA" |
| + | entryDetails | [0..1] [1..1] |

| | | |
|-------|----------------------------------|---------------|
| ++ | transactionDetails | [0..1] [1..1] |
| +++ | references | [0..1] [0..0] |
| ++++ | messageIdentification | [0..1] [0..0] |
| ++++ | accountServicerReference | [0..1] [0..0] |
| ++++ | paymentInformationIdentification | [0..1] [0..0] |
| ++++ | instructionIdentification | [0..1] [0..0] |
| ++++ | endToEndIdentification | [0..1] [0..0] |
| ++++ | chequeNumber | [0..1] [0..0] |
| ++++ | clearingSystemReference | [0..1] [0..0] |
| +++ | amountDetails | [0..1] [1..1] |
| ++++ | instructedAmount | [0..1] [1..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | counterValueAmount | [0..1] [1..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| +++++ | currencyExchange | [0..1] [1..1] |
| +++++ | sourceCurrency | [1..1] |
| +++++ | targetCurrency | [0..1] |
| +++++ | exchangeRate | [1..1] [0..1] |
| ++++ | proprietaryAmount | [0..0] |
| +++++ | type | [0..0] |
| +++++ | amount | [0..0] |
| +++++ | value | [1..1] [0..0] |
| +++++ | currency | [1..1] [0..0] |
| +++ | relatedParties | [0..1] [0..0] |
| ++++ | debtor | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| ++++ | debtorAccount | [0..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | iban | [1..1] [0..0] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | creditor | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| ++++ | creditorAccount | [0..1] [0..0] |

| | | |
|-------|------------------------------------|---------------|
| +++++ | identification | [1..1] [0..0] |
| +++++ | iban | [1..1] [0..0] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++ | relatedAgents | [0..1] [0..0] |
| ++++ | debtorAgent | [0..1] [0..0] |
| +++++ | financialInstitutionIdentification | [1..1] [0..0] |
| +++++ | bic | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| +++++ | other | [0..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | creditorAgent | [0..1] [0..0] |
| +++++ | financialInstitutionIdentification | [1..1] [0..0] |
| +++++ | bic | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| +++++ | other | [0..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++ | remittanceInformation | [0..1] |
| ++++ | unstructured | [0..1] |
| ++++ | structured | [0..1] |
| +++++ | creditorReferenceInformation | [0..1] |
| +++++ | reference | [0..1] |
| +++ | additionalTransactionInformation | [0..1] |

JSON – example of a response:

```

=====
{
  "pageNumber": 5,
  "pageCount": 7,
  "pageSize": 100,
  "nextPage": 6,
  "transactions": [
    {
      "entryReference": "060-060-004-370459",
      "amount": {
        "value": 0.59,
        "currency": "EUR"
      },
      "creditDebitIndicator": "DBIT",
      "status": "BOOK",
      "bookingDate": {"date": "2019-01-31"},
      "valueDate": {"date": "2019-01-31"},
      "bankTransactionCode": {"proprietary": {
        "code": 90000201003,
        "issuer": "CBA"
      }}
    }
  ]
}

```

```

    }},
    "entryDetails": {"transactionDetails": {
      "amountDetails": {
        "instructedAmount": {"amount": {
          "value": 0.59,
          "currency": "EUR"
        }},
        "counterValueAmount": {
          "amount": {
            "value": 0.59,
            "currency": "EUR"
          }},
        "currencyExchange": {
          "sourceCurrency": "EUR",
          "targetCurrency": "EUR",
          "exchangeRate": "1"
        }
      }},
    "additionalTransactionInformation": "ODEPSANÝ ÚROK"
  }}

```

Charge/fee – occurrence of elements

| Level | Message element | Occurence |
|-------|----------------------------------|-----------------------------|
| + | entryReference | [0..1] [1..1] |
| + | amount | [1..1] |
| ++ | value | [1..1] |
| ++ | currency | [1..1] |
| + | creditDebitIndicator | [1..1] |
| + | reversalIndicator | [0..1] [0..0] |
| + | status | [1..1] always "BOOK" |
| + | bookingDate | [1..1] |
| ++ | date | [1..1] |
| + | valueDate | [1..1] |
| ++ | date | [1..1] |
| + | bankTransactionCode | [1..1] |
| ++ | proprietary | [1..1] |
| +++ | code | [1..1] |
| +++ | issuer | [1..1] always "CBA" |
| + | entryDetails | [0..1] [1..1] |
| ++ | transactionDetails | [0..1] [1..1] |
| +++ | references | [0..1] [0..0] |
| ++++ | messageIdentification | [0..1] [0..0] |
| ++++ | accountServicerReference | [0..1] [0..0] |
| ++++ | paymentInformationIdentification | [0..1] [0..0] |
| ++++ | instructionIdentification | [0..1] [0..0] |

| | | |
|-------|-------------------------|---------------|
| ++++ | endToEndIdentification | [0..1] [0..0] |
| ++++ | chequeNumber | [0..1] [0..0] |
| ++++ | clearingSystemReference | [0..1] [0..0] |
| +++ | amountDetails | [0..1] [1..1] |
| ++++ | instructedAmount | [0..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | counterValueAmount | [0..1] [1..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | currencyExchange | [0..1] [1..1] |
| +++++ | sourceCurrency | [1..1] |
| +++++ | targetCurrency | [0..1] |
| +++++ | exchangeRate | [1..1] [0..1] |
| ++++ | proprietaryAmount | [0..0] |
| ++++ | type | [0..0] |
| ++++ | amount | [0..0] |
| +++++ | value | [1..1] [0..0] |
| +++++ | currency | [1..1] [0..0] |
| +++ | relatedParties | [1..1] [0..0] |
| ++++ | debtor | [1..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| ++++ | debtorAccount | [0..1] [0..0] |
| +++++ | identification | [0..1] [0..0] |
| +++++ | iban | [0..1] [0..0] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | creditor | [1..1] [0..0] |
| +++++ | name | [1..1] [0..0] |
| ++++ | creditorAccount | [0..1] [0..0] |
| +++++ | identification | [0..1] [0..0] |
| +++++ | iban | [0..1] [0..0] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++ | relatedAgents | [1..1] [0..0] |
| ++++ | debtorAgent | [1..1] [0..0] |

| | | |
|---------|------------------------------------|---------------|
| +++++ | financialInstitutionIdentification | [0..1] [0..0] |
| ++++++ | bic | [0..1] [0..0] |
| ++++++ | name | [1..1] [0..0] |
| ++++++ | other | [0..1] [0..0] |
| +++++++ | identification | [0..1] [0..0] |
| ++++ | creditorAgent | [0..1] [0..0] |
| +++++ | financialInstitutionIdentification | [1..1] [0..0] |
| ++++++ | bic | [0..1] [0..0] |
| ++++++ | name | [1..1] [0..0] |
| ++++++ | other | [0..1] [0..0] |
| +++++++ | identification | [0..1] [0..0] |
| +++ | remittanceInformation | [0..1] |
| ++++ | unstructured | [0..1] |
| ++++ | structured | [0..1] |
| +++++ | creditorReferenceInformation | [0..1] |
| ++++++ | reference | [0..1] |
| +++ | additionalTransactionInformation | [0..1] |

JSON – example of a response:

```

=====
{
  "pageNumber": 0,
  "pageCount": 1,
  "pageSize": 20,
  "transactions": [
    {
      "entryReference": "001-04032019 1602 602023 745261",
      "amount": {
        "value": 250,
        "currency": "CZK"
      },
      "creditDebitIndicator": "DBIT",
      "status": "BOOK",
      "bookingDate": {"date": "2019-03-04"},
      "valueDate": {"date": "2019-03-04"},
      "bankTransactionCode": {"proprietary": {
        "code": 40000201000,
        "issuer": "CBA"
      }},
      "entryDetails": {"transactionDetails": {
        "amountDetails": {
          "instructedAmount": {"amount": {
            "value": 250,
            "currency": "CZK"
          }}
        }},
      "counterValueAmount": {
        "amount": {
          "value": 250,

```

```

    "currency": "CZK"
  },
  "currencyExchange": {
    "sourceCurrency": "CZK",
    "targetCurrency": "CZK",
    "exchangeRate": "1"
  }
}],
"remittanceInformation": {
  "structured": {
    "creditorReferenceInformation": {
      "reference": [
        "VS:0000000009",
        "SS:7831291011",
        "KS:0000000898"
      ]
    }
  }
}],
"additionalTransactionInformation": "Platba na vrub vašeho účtu,
  POPLATEK ZA ZAHRANIČNÍ ODCHOZÍ ÚHRADU, IU01RFF9MWS 12"
}}

```

Domestic payment – occurrence of elements

| Level | Message element | Occurrence |
|-------|----------------------------------|--|
| + | entryReference | [0..1] [1..1] |
| + | amount | [1..1] |
| ++ | value | [1..1] |
| ++ | currency | [1..1] |
| + | creditDebitIndicator | [1..1] |
| + | reversalIndicator | [0..1] [0..0] |
| + | status | [1..1] "BOOK" or "PDNG". Payment card holds can be identified by combination of status PDNG and bankTransaction code 30000301000. |
| + | bookingDate | [1..1] |
| ++ | date | [1..1] [0..1] not mandatory for transaction in PDNG status (e.g. payment card holds) |
| + | valueDate | [1..1] |
| ++ | date | [1..1] |
| + | bankTransactionCode | [1..1] |
| ++ | proprietary | [1..1] |
| +++ | code | [1..1] |
| +++ | issuer | [1..1] always "CBA" |
| + | entryDetails | [1..1] |
| ++ | transactionDetails | [1..1] |
| +++ | references | [0..1] [0..1] |
| ++++ | messageIdentification | [0..1] [0..0] |
| ++++ | accountServicerReference | [0..1] [0..1] |
| ++++ | paymentInformationIdentification | [0..1] [0..0] |

| | | |
|-------|---------------------------|---|
| ++++ | instructionIdentification | [0..1] [0..0] |
| ++++ | endToEndIdentification | [0..1] [0..0] |
| ++++ | chequeNumber | [0..1] [0..0] |
| ++++ | clearingSystemReference | [0..1] [0..0] |
| +++ | amountDetails | [0..1] [1..1] |
| ++++ | instructedAmount | [0..1] [0..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | counterValueAmount | [0..1] [1..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| +++++ | currencyExchange | [0..1] [1..1] |
| +++++ | sourceCurrency | [1..1] |
| +++++ | targetCurrency | [0..1] |
| +++++ | exchangeRate | [1..1] [0..1] |
| ++++ | proprietaryAmount | [0..0] |
| +++++ | type | [0..0] |
| +++++ | amount | [0..0] |
| +++++ | value | [1..1] [0..0] |
| +++++ | currency | [1..1] [0..0] |
| +++ | relatedParties | [1..1] |
| ++++ | debtor | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | name | [1..1] |
| ++++ | debtorAccount | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | identification | [1..1] |
| +++++ | iban | [1..1] |
| +++++ | other | [1..1]-[0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | creditor | [0..1] depending on the direction of the payment, to be filled-in in case of credit transfers within KB |
| +++++ | name | [0..1] |
| ++++ | creditorAccount | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| +++++ | identification | [1..1] |
| +++++ | iban | [1..1] |
| +++++ | other | [1..1]-[0..0] |

| | | |
|--------|------------------------------------|---|
| ++++++ | identification | [1..1] [0..0] |
| +++ | relatedAgents | [1..1] |
| ++++ | debtorAgent | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | financialInstitutionIdentification | [1..1] |
| ++++++ | bic | [0..1]-[1..1] |
| ++++++ | name | [0..1] [0..0] |
| ++++++ | other | [0..1] [0..0] |
| ++++++ | identification | [1..1] [0..0] |
| ++++ | creditorAgent | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| +++++ | financialinstitutionidentification | [1..1] |
| ++++++ | bic | [0..1] [1..1] |
| ++++++ | name | [0..1] [0..0] |
| ++++++ | other | [0..1] [0..0] |
| ++++++ | identification | [1..1] [0..0] |
| +++ | remittanceInformation | [0..1] |
| ++++ | unstructured | [0..1] |
| ++++ | structured | [0..1] |
| +++++ | creditorReferenceInformation | [0..1] |
| ++++++ | reference | [0..1] |
| +++ | additionalTransactionInformation | [0..1] |

JSON – example of a response:

```

=====
{
  "pageNumber": 0,
  "pageCount": 3,
  "pageSize": 20,
  "nextPage": 1,
  "transactions": [
    {
      "entryReference": "357-12032019 1602 602033 935171",
      "amount": {
        "value": 1.23,
        "currency": "CZK"
      },
      "creditDebitIndicator": "DBIT",
      "status": "BOOK",
      "bookingDate": {"date": "2019-03-12"},
      "valueDate": {"date": "2019-03-12"},
      "bankTransactionCode": {"proprietary": {
        "code": 10000101008,
        "issuer": "CBA"
      }},
      "entryDetails": {"transactionDetails": {

```

```

"references": {"accountServicerReference": "ZU000005UO8"},
"amountDetails": {
  "instructedAmount": {"amount": {
    "value": 1.23,
    "currency": "CZK"
  }},
  "counterValueAmount": {
    "amount": {
      "value": 1.23,
      "currency": "CZK"
    },
    "currencyExchange": {
      "sourceCurrency": "CZK",
      "targetCurrency": "CZK",
      "exchangeRate": "1"
    }
  }
},
"relatedParties": {
  "creditorAccount": {
    "identification": {
      "iban": "CZ3203000000000001111132"}},
  "relatedAgents": {
    "creditorAgent": {
      "financialInstitutionIdentification": {
        "bic": "CEKOCZPPXXX"}},
  "remittanceInformation": {
    "unstructured": "Poznámka pro příjemce",
  "additionalTransactionInformation": "Platba na vrub vašeho účtu"
}}}

```

SEPA payment – occurrence of elements

| Level | Message element | Occurrence |
|-------|----------------------|-----------------------------|
| + | entryReference | [0..1] [1..1] |
| + | amount | [1..1] |
| ++ | value | [1..1] |
| ++ | currency | [1..1] |
| + | creditDebitIndicator | [1..1] |
| + | reversalIndicator | [0..1] [0..0] |
| + | status | [1..1] always "BOOK" |
| + | bookingDate | [1..1] |
| ++ | date | [1..1] |
| + | valueDate | [1..1] |
| ++ | date | [1..1] |
| + | bankTransactionCode | [1..1] |
| ++ | proprietary | [1..1] |
| +++ | code | [1..1] |
| +++ | issuer | [1..1] always "CBA" |
| + | entryDetails | [1..1] |

| | | |
|-------|----------------------------------|--|
| ++ | transactionDetails | [1..1] |
| +++ | references | [0..1] |
| ++++ | messageIdentification | [0..1] [0..0] |
| ++++ | accountServicerReference | [0..1] |
| ++++ | paymentInformationIdentification | [0..1] [0..0] |
| ++++ | instructionIdentification | [0..1] [0..0] |
| ++++ | endToEndIdentification | [0..1] |
| ++++ | mandateIdentification | [0..0]/[0..1] |
| ++++ | chequeNumber | [0..1] [0..0] |
| ++++ | clearingSystemReference | [0..1] [0..0] |
| +++ | amountDetails | [0..1] [1..1] |
| ++++ | instructedAmount | [0..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | counterValueAmount | [0..1] [1..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| +++++ | currencyExchange | [0..1] [1..1] |
| +++++ | sourceCurrency | [1..1] |
| +++++ | targetCurrency | [0..1] |
| +++++ | exchangeRate | [1..1] [0..1] |
| ++++ | proprietaryAmount | [0..0] |
| +++++ | type | [0..0] |
| +++++ | amount | [0..0] |
| +++++ | value | [1..1] [0..0] |
| +++++ | currency | [1..1] [0..0] |
| +++ | charges | [0..1] |
| +++++ | bearer | [0..1] |
| +++ | relatedParties | [1..1] |
| ++++ | debtor | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | name | [1..1] |
| +++++ | postalAddress | [0..1] [0..0] |
| +++++ | streetName | [0..1] [0..0] |
| +++++ | buildingNumber | [0..1] [0..0] |
| +++++ | postCode | [0..1] [0..0] |
| +++++ | townName | [0..1] [0..0] |

| | | |
|-------|----------------------------|--|
| +++++ | country | [0..1] [0..0] |
| +++++ | addressLine | [0..7] [0..0] |
| +++++ | identification | [0..1] [0..0] |
| +++++ | organisationIdentification | [1..1] [0..0] |
| +++++ | bicOrBei | [0..1] [0..0] |
| +++++ | other | [0..n] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | schemeName | [0..1] [0..0] |
| +++++ | code | [1..1] [0..0] |
| +++++ | proprietary | [1..1] [0..0] |
| +++++ | issuer | [0..1] [0..0] |
| +++++ | privateIdentification | [1..1] [0..0] |
| +++++ | other | [0..n] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | schemaName | [0..1] [0..0] |
| +++++ | code | [1..1] [0..0] |
| +++++ | proprietary | [1..1] [0..0] |
| +++++ | issuer | [0..1] [0..0] |
| ++++ | debtorAccount | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | identification | [1..1] |
| +++++ | iban | [1..1] |
| +++++ | name | [0..1] [0..0] |
| ++++ | ultimateDebtor | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| +++++ | postalAddress | [0..1] [0..0] |
| +++++ | streetName | [0..1] [0..0] |
| +++++ | buildingNumber | [0..1] [0..0] |
| +++++ | postCode | [0..1] [0..0] |
| +++++ | townName | [0..1] [0..0] |
| +++++ | country | [0..1] [0..0] |
| +++++ | addressLine | [0..7] [0..0] |
| +++++ | identification | [0..1] [0..0] |
| +++++ | organisationIdentification | [1..1] [0..0] |
| +++++ | bicOrBei | [0..1] [0..0] |
| +++++ | other | [0..n] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | schemeName | [0..1] [0..0] |
| +++++ | code | [1..1] [0..0] |

| | | |
|---------|----------------------------|---|
| +++++++ | proprietary | [1..1] [0..0] |
| +++++++ | issuer | [0..1] [0..0] |
| +++++ | privateIdentification | [1..1] [0..0] |
| +++++ | other | [0..n] [0..0] |
| +++++++ | identification | [1..1] [0..0] |
| +++++++ | schemaName | [0..1] [0..0] |
| +++++++ | code | [1..1] [0..0] |
| +++++++ | proprietary | [1..1] [0..0] |
| +++++++ | issuer | [0..1] [0..0] |
| ++++ | creditor | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| +++++ | name | [1..1] |
| +++++ | postalAddress | [0..1] [0..0] |
| +++++ | streetName | [0..1] [0..0] |
| +++++ | buildingNumber | [0..1] [0..0] |
| +++++ | postCode | [0..1] [0..0] |
| +++++ | townName | [0..1] [0..0] |
| +++++ | country | [0..1] [0..0] |
| +++++ | addressLine | [0..7] [0..0] |
| +++++ | identification | [0..1] [0..0] |
| +++++ | organisationIdentification | [1..1] [0..0] |
| +++++++ | bicOrBei | [0..1] [0..0] |
| +++++++ | other | [0..n] [0..0] |
| +++++++ | identification | [1..1] [0..0] |
| +++++++ | schemaName | [0..1] [0..0] |
| +++++++ | code | [1..1] [0..0] |
| +++++++ | proprietary | [1..1] [0..0] |
| +++++++ | issuer | [0..1] [0..0] |
| +++++ | privateIdentification | [1..1] [0..0] |
| +++++ | other | [0..n] [0..0] |
| +++++++ | identification | [1..1] [0..0] |
| +++++++ | schemaName | [0..1] [0..0] |
| +++++++ | code | [1..1] [0..0] |
| +++++++ | proprietary | [1..1] [0..0] |
| +++++++ | issuer | [0..1] [0..0] |
| ++++ | creditorAccount | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| +++++ | identification | [1..1] |
| +++++ | iban | [1..1] |

| | | |
|-------|------------------------------------|---|
| +++++ | name | [0..1] [0..0] |
| ++++ | ultimateCreditor | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| +++++ | postalAddress | [0..1] [0..0] |
| +++++ | streetName | [0..1] [0..0] |
| +++++ | buildingNumber | [0..1] [0..0] |
| +++++ | postCode | [0..1] [0..0] |
| +++++ | townName | [0..1] [0..0] |
| +++++ | country | [0..1] [0..0] |
| +++++ | addressLine | [0..7] [0..0] |
| +++++ | identification | [0..1] [0..0] |
| +++++ | organisationIdentification | [1..1] [0..0] |
| +++++ | bicOrBei | [0..1] [0..0] |
| +++++ | other | [0..n] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | schemeName | [0..1] [0..0] |
| +++++ | code | [1..1] [0..0] |
| +++++ | proprietary | [1..1] [0..0] |
| +++++ | issuer | [0..1] [0..0] |
| +++++ | privateIdentification | [1..1] [0..0] |
| +++++ | other | [0..n] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | schemaName | [0..1] [0..0] |
| +++++ | code | [1..1] [0..0] |
| +++++ | proprietary | [1..1] [0..0] |
| +++++ | issuer | [0..1] [0..0] |
| +++ | relatedAgents | [1..1] |
| ++++ | debtorAgent | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | financialInstitutionIdentification | [1..1] |
| +++++ | bic | [1..1] |
| +++++ | name | [0..1] [0..0] |
| ++++ | creditorAgent | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| +++++ | financialinstitutionidentification | [1..1] |
| +++++ | bic | [1..1] |
| +++++ | name | [0..1] [0..0] |
| +++ | purpose | [0..1] [0..0] |
| ++++ | code | [1..1] [0..0] |

| | | |
|-------|----------------------------------|---------------|
| ++++ | proprietary | [1..1] [0..0] |
| +++ | remittanceInformation | [0..1] |
| ++++ | unstructured | [0..1] |
| ++++ | structured | [0..1] |
| +++++ | creditorReferenceInformation | [0..1] |
| +++++ | reference | [0..1] |
| +++ | additionalTransactionInformation | [0..1] |

JSON – example of a response:

```

=====
{
  "pageNumber": 10,
  "pageCount": 8,
  "pageSize": 20,
  "nextPage": 2,
  "transactions": [
    {
      "entryReference": "001-19022019 1602 602000 210641",
      "amount": {
        "value": 88.01,
        "currency": "CZK"
      },
      "creditDebitIndicator": "DBIT",
      "status": "BOOK",
      "bookingDate": {"date": "2019-02-19"},
      "valueDate": {"date": "2019-02-19"},
      "bankTransactionCode": {"proprietary": {
        "code": 10000401001,
        "issuer": "CBA"
      }},
      "entryDetails": {"transactionDetails": {
        "references": {
          "accountServicerReference": "IU01RFEL7A9",
          "endToEndIdentification": "SEPA E2E8888"
        },
        "amountDetails": {
          "instructedAmount": {"amount": {
            "value": 3.33,
            "currency": "EUR"
          }},
          "counterValueAmount": {
            "amount": {
              "value": 88.01,
              "currency": "CZK"
            },
            "currencyExchange": {
              "sourceCurrency": "CZK",
              "targetCurrency": "EUR",
              "exchangeRate": 26.4292
            }
          }
        }
      }},
      "relatedParties": {

```



```

"creditor": {"name": "Lenina z Tatrabank SK"},
"creditorAccount": {
  "identification": {
    "iban": "SK9711000000002621370505"}}
},
"relatedAgents": {
  "creditorAgent": {
    "financialInstitutionIdentification": {
      "bic": "TATRSKBXXXX"}},
"remittanceInformation": {
  "unstructured": "ZPL SEPA XXXX /VS/999999999/KS/3333/SS/111111",
  "structured": {
    "creditorReferenceInformation": {
      "reference": [
        "VS:0999999999",
        "SS:7831148411",
        "KS:6020000000"
      ]
    }
  }
},
"additionalTransactionInformation": "Platba na vrub vašeho účtu, ucetSK9711000000002621370505 rfKB
7831148411602, bankTATRSKBXXXX, IU01RFEL7A9 11"
}}}

```

Foreign payment – occurrence of elements

| Level | Message element | Occurrence |
|-------|----------------------------------|-----------------------------|
| + | entryReference | [0..1] [1..1] |
| + | amount | [1..1] |
| ++ | value | [1..1] |
| ++ | currency | [1..1] |
| + | creditDebitIndicator | [1..1] |
| + | reversalIndicator | [0..1] [0..0] |
| + | status | [1..1] always "BOOK" |
| + | bookingDate | [1..1] |
| ++ | date | [1..1] |
| + | valueDate | [1..1] |
| ++ | date | [1..1] |
| + | bankTransactionCode | [1..1] |
| ++ | proprietary | [1..1] |
| +++ | code | [1..1] |
| +++ | issuer | [1..1] always "CBA" |
| + | entryDetails | [1..1] |
| ++ | transactionDetails | [1..1] |
| +++ | references | [0..1] |
| ++++ | messageIdentification | [0..1] [0..0] |
| ++++ | accountServicerReference | [0..1] |
| ++++ | paymentInformationIdentification | [0..1] [0..0] |

| | | |
|-------|---------------------------|--|
| ++++ | instructionIdentification | [0..1] [0..0] |
| ++++ | endToEndIdentification | [0..1] [0..0] |
| ++++ | chequeNumber | [0..1] [0..0] |
| ++++ | clearingSystemReference | [0..1] [0..0] |
| +++ | amountDetails | [0..1] [1..1] |
| ++++ | instructedAmount | [0..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | counterValueAmount | [0..1] [1..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| +++++ | currencyExchange | [0..1] [1..1] |
| +++++ | sourceCurrency | [1..1] |
| +++++ | targetCurrency | [0..1] |
| +++++ | exchangeRate | [1..1] [0..1] |
| ++++ | proprietaryAmount | [0..0] |
| +++++ | type | [0..0] |
| +++++ | amount | [0..0] |
| +++++ | value | [1..1] [0..0] |
| +++++ | currency | [1..1] [0..0] |
| +++ | charges | [0..1] |
| +++++ | bearer | [0..1] |
| +++ | relatedParties | [1..1] |
| ++++ | debtor | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | name | [1..1] |
| +++++ | postalAddress | [0..1] [0..0] |
| +++++ | streetName | [0..1] [0..0] |
| +++++ | buildingNumber | [0..1] [0..0] |
| +++++ | postCode | [0..1] [0..0] |
| +++++ | townName | [0..1] [0..0] |
| +++++ | country | [0..1] [0..0] |
| +++++ | addressLine | [0..7] [0..0] |
| +++++ | issuer | [0..1] [0..0] |
| ++++ | debtorAccount | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | identification | [1..1] |

| | | |
|-------|------------------------------------|---|
| +++++ | iban | [1..1] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | name | [0..1] [0..0] |
| ++++ | creditor | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| ++++ | name | [1..1] |
| ++++ | postalAddress | [0..1] [0..0] |
| +++++ | streetName | [0..1] [0..0] |
| +++++ | buildingNumber | [0..1] [0..0] |
| +++++ | postCode | [0..1] [0..0] |
| +++++ | townName | [0..1] [0..0] |
| +++++ | country | [0..1] [0..0] |
| +++++ | addressLine | [0..7] [0..0] |
| ++++ | creditorAccount | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| ++++ | identification | [1..1] |
| +++++ | iban | [1..1] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | name | [0..1] [0..0] |
| +++ | relatedAgents | [1..1] |
| ++++ | debtorAgent | [1..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| ++++ | financialInstitutionIdentification | [1..1] |
| +++++ | bic | [0..1] [1..1] |
| +++++ | clearingSystemMemberIdentification | [0..1] [0..0] |
| +++++ | clearingSystemIdentification | [0..1] [0..0] |
| +++++ | code | [1..1] [0..0] |
| +++++ | proprietary | [1..1] [0..0] |
| +++++ | memberIdentification | [1..1] [0..0] |
| ++++ | name | [0..1] [0..0] |
| ++++ | postalAddress | [0..1] [0..0] |
| +++++ | streetName | [0..1] [0..0] |
| +++++ | buildingNumber | [0..1] [0..0] |
| +++++ | postCode | [0..1] [0..0] |
| +++++ | townName | [0..1] [0..0] |
| +++++ | country | [0..1] [0..0] |
| +++++ | addressLine | [0..7] [0..0] |

| | | |
|--------|------------------------------------|---|
| +++++ | other | [0..1] [0..0] |
| ++++++ | identification | [1..1] [0..0] |
| ++++ | creditorAgent | [1..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| +++++ | financialinstitutionidentification | [1..1] |
| ++++++ | bic | [0..1] [1..1] |
| ++++++ | clearingSystemMemberIdentification | [0..1] [0..0] |
| ++++++ | clearingSystemIdentification | [0..1] [0..0] |
| ++++++ | code | [1..1] [0..0] |
| ++++++ | proprietary | [1..1] [0..0] |
| ++++++ | memberIdentification | [1..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| +++++ | postalAddress | [0..1] [0..0] |
| ++++++ | streetName | [0..1] [0..0] |
| ++++++ | buildingNumber | [0..1] [0..0] |
| ++++++ | postCode | [0..1] [0..0] |
| ++++++ | townName | [0..1] [0..0] |
| ++++++ | country | [0..1] [0..0] |
| ++++++ | addressLine | [0..7] [0..0] |
| +++++ | other | [0..1] [0..0] |
| ++++++ | identification | [1..1] [0..0] |
| +++ | remittanceInformation | [0..1] |
| ++++ | unstructured | [0..1] |
| ++++ | structured | [0..1] |
| +++++ | creditorReferenceInformation | [0..1] |
| +++++ | reference | [0..1] |
| +++ | additionalTransactionInformation | [0..1] |

JSON – example of a response:

```

=====
{
  "pageNumber": 5,
  "pageCount": 7,
  "pageSize": 100,
  "nextPage": 6,
  "transactions": [
    {
      "entryReference": "357-28022019 1586 586004 320041",
      "amount": {
        "value": 9.81,
        "currency": "USD"
      },
      "creditDebitIndicator": "DBIT",
    }
  ]
}

```

```

"status": "BOOK",
"bookingDate": {"date": "2019-02-28"},
"valueDate": {"date": "2019-02-28"},
"bankTransactionCode": {"proprietary": {
  "code": 10000201006,
  "issuer": "CBA"
}},
"entryDetails": {"transactionDetails": {
  "references": {"accountServicerReference": "ZU000005IPQ"},
  "amountDetails": {
    "instructedAmount": {"amount": {
      "value": 13.13,
      "currency": "AUD"
    }},
    "counterValueAmount": {
      "amount": {
        "value": 9.81,
        "currency": "USD"
      }},
    "currencyExchange": {
      "sourceCurrency": "AUD",
      "targetCurrency": "USD",
      "exchangeRate": 0.7471
    }
  }},
"charges": {"bearer": "OUR"},
"relatedParties": {
  "creditor": {"name": "Sultan Sulejman"},
  "creditorAccount": {
    "identification": {
      "iban": "TR560006701000000081658540"}
  }
},
"relatedAgents": {
  "creditorAgent": {
    "financialInstitutionIdentification": {
      "bic": "YAPITRISFEX"}
  }
},
"remittanceInformation": {
  "unstructured": "ZPL mimo EHP,/KS/0308,/VS/123456789,AUD platba z USD",
  "structured": {
    "creditorReferenceInformation": {
      "reference": [
        "VS:0123456789",
        "SS:7831259721",
        "KS:5860000308"]
    }
  }
},
"additionalTransactionInformation": "Odchozí platba, ZU000005IPQ"
}}

```

Cash – occurrence of elements

| Level | Message element | Occurence |
|-------|-----------------|----------------------|
| + | entryReference | [0..1] [1..1] |
| + | amount | [1..1] |
| ++ | value | [1..1] |
| ++ | currency | [1..1] |

| | | |
|-------|----------------------------------|----------------------|
| + | creditDebitIndicator | [1..1] |
| + | reversalIndicator | [0..1] [0..0] |
| + | status | [1..1] always "BOOK" |
| + | bookingDate | [1..1] |
| ++ | date | [1..1] |
| + | valueDate | [1..1] |
| ++ | date | [1..1] |
| + | bankTransactionCode | [1..1] |
| ++ | proprietary | [1..1] |
| +++ | code | [1..1] |
| +++ | issuer | [1..1] always "CBA" |
| + | entryDetails | [0..1] [1..1] |
| ++ | transactionDetails | [0..1] [1..1] |
| +++ | references | [0..1] [0..0] |
| ++++ | messageIdentification | [0..1] [0..0] |
| ++++ | accountServicerReference | [0..1] [0..0] |
| ++++ | paymentInformationIdentification | [0..1] [0..0] |
| ++++ | instructionIdentification | [0..1] [0..0] |
| ++++ | endToEndIdentification | [0..1] [0..0] |
| ++++ | chequeNumber | [0..1] [0..0] |
| ++++ | clearingSystemReference | [0..1] [0..0] |
| +++ | amountDetails | [0..1] [1..1] |
| ++++ | instructedAmount | [0..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | counterValueAmount | [0..1] [1..1] |
| +++++ | amount | [1..1] |
| +++++ | value | [1..1] |
| +++++ | currency | [1..1] |
| ++++ | currencyExchange | [0..1] [1..1] |
| +++++ | sourceCurrency | [1..1] [1..1] |
| +++++ | targetCurrency | [0..1] |
| +++++ | exchangeRate | [1..1] [0..1] |
| ++++ | proprietaryAmount | [0..0] |
| +++++ | type | [0..0] |
| +++++ | amount | [0..0] |
| +++++ | value | [1..1] [0..0] |

| | | |
|-------|------------------------------------|---|
| +++++ | currency | [1..1] [0..0] |
| +++ | relatedParties | [0..1] [0..0] |
| ++++ | debtor | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| ++++ | debtorAccount | [0..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | iban | [1..1] [0..0] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | creditor | [0..1] [0..0] |
| +++++ | name | [0..1] [0..0] |
| ++++ | creditorAccount | [0..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++++ | iban | [1..1] [0..0] |
| +++++ | other | [1..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++ | relatedAgents | [0..1] |
| ++++ | debtorAgent | [0..1] depending on the direction of the payment, to be filled-in in case of debit transfers |
| +++++ | financialInstitutionIdentification | [1..1] |
| +++++ | bic | [0..1] [1..1] |
| +++++ | name | [0..1] [0..0] |
| +++++ | other | [0..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| ++++ | creditorAgent | [0..1] depending on the direction of the payment, to be filled-in in case of credit transfers |
| +++++ | financialInstitutionIdentification | [1..1] |
| +++++ | bic | [0..1] [1..1] |
| +++++ | name | [0..1] [0..0] |
| +++++ | other | [0..1] [0..0] |
| +++++ | identification | [1..1] [0..0] |
| +++ | remittanceInformation | [0..1] |
| ++++ | unstructured | [0..1] |
| ++++ | structured | [0..1] |
| +++++ | creditorReferenceInformation | [0..1] |
| +++++ | reference | [0..1] |
| +++ | additionalTransactionInformation | [0..1] |

JSON – example of a response:

```

=====
{
  "pageNumber": 0,
  "pageCount": 1,
  "pageSize": 20,
  "transactions": [ {
    "entryReference": "301-12022019 1031 700001 138752",
    "amount": {
      "value": 37.65,
      "currency": "EUR"
    },
    "creditDebitIndicator": "CRDT",
    "status": "BOOK",
    "bookingDate": {"date": "2019-02-12"},
    "valueDate": {"date": "2019-02-12"},
    "bankTransactionCode": {"proprietary": {
      "code": 20000100000,
      "issuer": "CBA"
    }},
    "entryDetails": {"transactionDetails": {
      "amountDetails": {
        "instructedAmount": {"amount": {
          "value": 1000,
          "currency": "CZK"
        }},
        "counterValueAmount": {
          "amount": {
            "value": 37.65,
            "currency": "EUR"
          }},
        "currencyExchange": {
          "sourceCurrency": "EUR",
          "targetCurrency": "CZK",
          "exchangeRate": 26.5577
        }
      }},
    "relatedAgents": {
      "debtorAgent": {
        "financialInstitutionIdentification": {
          "bic": "KOMBCZPPXXX"
        }
      },
      "remittanceInformation": {
        "unstructured": "abc def",
        "structured": {
          "creditorReferenceInformation": {
            "reference": [
              "VS:0000000009",
              "SS:0123456789",
              "KS:0000000379"
            ]
          }
        }
      }
    },
    "additionalTransactionInformation": "VKLAD HOTOVOSTI"
  }
  ]
}
}
}
}

```

Payment card transaction – occurrence of elements

| Level | Message element | Occurrence | Latest changes |
|-------|-----------------|----------------------|----------------|
| + | entryReference | [0..1] [1..1] | |

| | | | |
|-------|----------------------------------|----------------------|--------|
| + | amount | [1..1] | |
| ++ | value | [1..1] | |
| ++ | currency | [1..1] | |
| + | creditDebitIndicator | [1..1] | |
| + | reversalIndicator | [0..1] [0..0] | |
| + | status | [1..1] always "BOOK" | |
| + | bookingDate | [1..1] | |
| ++ | date | [1..1] | |
| + | valueDate | [1..1] | |
| ++ | date | [1..1] | |
| + | bankTransactionCode | [1..1] | |
| ++ | proprietary | [1..1] | |
| +++ | code | [1..1] | |
| +++ | issuer | [1..1] always "CBA" | |
| + | entryDetails | [0..1] [1..1] | |
| ++ | transactionDetails | [0..1] [1..1] | |
| +++ | references | [0..1] | [0..0] |
| ++++ | messageIdentification | [0..1] [0..0] | |
| ++++ | accountServicerReference | [0..1] | [0..0] |
| ++++ | paymentInformationIdentification | [0..1] [0..0] | |
| ++++ | instructionIdentification | [0..1] [0..0] | |
| ++++ | endToEndIdentification | [0..1] [0..0] | |
| ++++ | chequeNumber | [0..1] [0..0] | |
| ++++ | clearingSystemReference | [0..1] [0..0] | |
| +++ | amountDetails | [0..1] [1..1] | |
| ++++ | instructedAmount | [0..1] | |
| +++++ | amount | [1..1] | |
| +++++ | value | [1..1] | |
| +++++ | currency | [1..1] | |
| ++++ | counterValueAmount | [0..1] [1..1] | |
| +++++ | amount | [1..1] | |
| +++++ | value | [1..1] | |
| +++++ | currency | [1..1] | |
| ++++ | currencyExchange | [0..1] [1..1] | [0..0] |
| +++++ | sourceCurrency | [1..1] | [0..0] |
| +++++ | targetCurrency | [0..1] | [0..0] |
| +++++ | exchangeRate | [1..1] [0..1] | [0..0] |
| ++++ | proprietaryAmount | [0..0] | |

| | | | |
|-------|------------------------------------|---|--------|
| +++++ | type | [0..0] | |
| +++++ | amount | [0..0] | |
| +++++ | value | [1..1] [0..0] | |
| +++++ | currency | [1..1] [0..0] | |
| +++ | relatedParties | [0..1] | |
| ++++ | debtor | [0..1] depending on the direction of the payment, to be filled-in in case of debit transfers | |
| +++++ | name | [0..1] [1..1] | |
| ++++ | debtorAccount | [0..1] | [0..0] |
| +++++ | identification | [1..1] | [0..0] |
| +++++ | iban | [1..1] | [0..0] |
| +++++ | other | [1..1] [0..0] | |
| +++++ | identification | [1..1] [0..0] | |
| ++++ | creditor | [0..1] depending on the direction of the payment, to be filled-in in case of credit transfers | |
| +++++ | name | [0..1] [1..1] | |
| ++++ | creditorAccount | [0..1] | [0..0] |
| +++++ | identification | [1..1] | [0..0] |
| +++++ | iban | [1..1] | [0..0] |
| +++++ | other | [1..1] [0..0] | |
| +++++ | identification | [1..1] [0..0] | |
| +++ | relatedAgents | [0..1] | [0..0] |
| ++++ | debtorAgent | [0..1] | [0..0] |
| +++++ | financialInstitutionIdentification | [1..1] | [0..0] |
| +++++ | bic | [0..1] | [0..0] |
| +++++ | name | [0..1] [0..0] | |
| +++++ | other | [0..1] [0..0] | |
| +++++ | identification | [1..1] [0..0] | |
| ++++ | creditorAgent | [0..1] | [0..0] |
| +++++ | financialInstitutionIdentification | [1..1] | [0..0] |
| +++++ | bic | [0..1] | [0..0] |
| +++++ | name | [0..1] [0..0] | |
| +++++ | other | [0..1] [0..0] | |
| +++++ | identification | [1..1] [0..0] | |
| +++ | remittanceInformation | [0..1] | |
| ++++ | unstructured | [0..1] | |

| | | | |
|--------|----------------------------------|--------|--|
| ++++ | structured | [0..1] | |
| +++++ | creditorReferenceInformation | [0..1] | |
| ++++++ | reference | [0..1] | |
| +++ | additionalTransactionInformation | [0..1] | |

JSON – example of a response:

```

=====
{
  "pageNumber": 0,
  "pageCount": 1,
  "pageSize": 20,
  "transactions": [ {
    "entryReference": "355-25012019 1086 602013 225091",
    "amount": {
      "value": 8.57,
      "currency": "USD"
    },
    "creditDebitIndicator": "CRDT",
    "status": "BOOK",
    "bookingDate": {"date": "2019-01-25"},
    "valueDate": {"date": "2019-01-25"},
    "bankTransactionCode": {"proprietary": {
      "code": 30000103000,
      "issuer": "CBA"
    }},
    "entryDetails": {"transactionDetails": {
      "references": {"accountServicerReference": "WU010003JIF"},
      "amountDetails": {
        "instructedAmount": {"amount": {
          "value": 200,
          "currency": "CZK"
        }},
        "counterValueAmount": {
          "amount": {
            "value": 8.57,
            "currency": "USD"
          }},
        "currencyExchange": {
          "sourceCurrency": "CZK",
          "targetCurrency": "USD",
          "exchangeRate": "23.3372"
        }
      }
    }},
    "relatedParties": {
      "debtor": {"name": "ATM KB Na pořičí 712/3"},
      "debtorAccount": {
        "identification": {
          "iban": "CZ3201000000436965780207"}
      }
    },
    "relatedAgents": {
      "debtorAgent": {
        "financialInstitutionIdentification": {
          "bic": "KOMBCZPPXXX"}
      }
    },
    "remittanceInformation": {
      "unstructured": "ATM TEST PRAHA 1 83 4459 66** **** 4661 VISA
24.01.2019 200,00 CZK",

```

```
"structured": {  
  "creditorReferenceInformation": {  
    "reference": [  
      "VS:0501713027",  
      "SS:0202050000"  
    ]  
  },  
  "additionalTransactionInformation": "Příchozí platba,  
  201901259643705750D06164104008, VKLAD NA ATM, WU010003JIF 62"  
}
```

5. List of Client's Standing Orders

Paged list of client's standing orders. All active standing orders are provided within this resource. These are orders entered by the client as well as orders submitted by the bank (for example, repayments of loans, mortgages, etc.).

| | |
|----------------------------|---|
| URI: | /serverapi/aisp/v1/my/standingorders{?size,page,sort,order}) |
| HTTP Method: | GET |
| Request URL: | https://api.kb.cz/serverapi/aisp/v2/my/standingorders |
| Authorization: | the request requires the authorization of user/client as part of API call |
| Certification: | the request requires the use of the third party qualified certificate as part of establishing two-way TSL communication with the server. The third party is identified by verifying the validity and content of this certificate. |
| Pagination: | yes |
| Sorting: | no |
| Filtering: | no |
| Supported encoding: | charset=UTF-8 |

Query parameters of the request

| Parameter | Type | Mandatory | Purpose |
|-----------|--------|-----------|---|
| size | Number | No | Paging. Number of entries per page |
| page | Number | No | Paging. Required page. + Default: 0 |
| sort | Text | No | A list of fields separated by comma for sorting, arranged according to the meaning |
| order | Text | No | A list of arrangement methods (ASC, DESC) separated by comma. The order corresponds to the order of fields in the sort parameter. |

Example of the API call curl:

```
curl -X GET --header 'Accept: application/json' --header 'x-request-id: 12345' --header 'Authorization: Bearer INPUT_ACCESS_TOKEN_HERE'
'https://api.kb.cz/serverapi/aisp/v1/my/standingorders?size=2&page=1&sort=iban&order=ASC'
```

Request header parameters

| Parameter | Type | Mandatory | Purpose |
|---------------------------|------|-----------|--|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| API-key | Text | No | An optional string issued to a communicating third party as the call identifier of that party primarily serving as the configuration element of communication. Not supported. |
| Authorization | Text | Yes | A parameter used for forwarding the authenticated user's access token along with its type. |
| TPP-Name | Text | Yes | The name of the original TPP that created the request. Eg. 'Star corporation, a.s.' |
| TPP-Identification | Text | No | The identification (licence number) of the original TPP that created the request. Eg. 'CZ013574-15' |
| x-request-id | Text | No | A unique identification of the caller's each particular query. The value of this parameter should therefore be generated randomly, and the individual x-request-ids of the same caller within a short time interval should not be identical. This parameter service returns responses to the |

| | | | |
|--|--|--|---|
| | | | calling system within response headers. |
|--|--|--|---|

Example of request headers:

```
{
  "Accept": "application/json",
  "x-request-id": "12345",
}
```

Response header parameters

| PARAMETER | TYPE | MANDATORY | PURPOSE |
|--------------|------|-----------|--|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| x-request-id | Text | No | Returns the original request id of the API call. |

Example of response headers:

```
{
Date: Mon, 18 Mar 2019 10:28:41 GMT
x-request-id: 17549
x-response-id: urn:uuid:df1cb535-6332-4184-8346-e0742c43706e
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET
Access-Control-Allow-Headers: authorization,Access-Control-Allow-Origin,Content-Type,SOAPAction
Content-Language: cs
Content-Type: application/json; charset=UTF-8
Keep-Alive: timeout=60, max=10000
Connection: Keep-Alive
Transfer-Encoding: chunked
Strict-Transport-Security: max-age=16070400; includeSubDomains }
```

Error codes defined for the GET service – Standing orders

| HTTP status code | Error code | Purpose |
|------------------|-------------------|---|
| 401 | UNAUTHORISED | Invalid/missing access token = the user has not been authenticated |
| 401 | UNAUTHORISED | Invalid/missing certificate = the provider has not been authenticated |
| 403 | FORBIDDEN | Authentication with an invalid certificate or expired access token, a call that does not match a third-party license. |
| 404 | PAGE_NOT_FOUND | The query concerns a non-existent page |
| 400 | PARAMETER_INVALID | The parameter value is not valid |

List of Client's Standing Orders response elements:

| Level | Message element | Occurrence | Format type | Presentation |
|-------|-----------------------------|------------|--|---|
| + | standingOrders | [1..1] | ± | Standing orders collection |
| ++ | standingOrderIdentification | [1..1] | Max35Text | Standing order identification |
| +++ | instructionIdentification | [0..1] | Max35Text | Instruction identification |
| +++ | transactionIdentification | [1..1] | Max35Text | Transaction identification |
| ++ | amount | [1..1] | STDO - AmountType3CZ ESST - AmountType3CZ XBST - AmountType3Choice | Payment amount |
| +++ | instructedAmount | [1..1] | CurrencyAndAmount | Amount and currency in the instruction |
| ++++ | value | [1..1] | Amount | Amount of the transfer |
| ++++ | currency | [1..1] | CurrencyCode | Transfer Currency |
| ++ | standingOrder | [1..1] | Structure | Structure describing the parameters of the standing orders. |
| +++ | alias | [0..1] | Max250Text | Description resp. the user-defined standing order payment name, taken from payment description (remittanceInformation.unstructured). If the payment description is not filled by user then alias is not included in the response. |
| +++ | execution | [1..1] | ± | Features of execution a standing order for payment. |
| ++++ | mode | [1..1] | Max35Text | The execution mode defines when or how standing order will be cancelled, processed the last time. Possible values: UNTIL_DATE (standing order is valid until specific date - field lastExecutionDate), UNTIL_CANCELLATION (standing order is valid forever and must be cancelled by client), AFTER_MAX_ITERATION_EXCEEDED (certain count of executions is specified - field maxIterations). Value |

| | | | | |
|-------|------------------------------|--------|------------------------------------|---|
| | | | | MAX_AMOUNT_EXCEEDED is not supported. |
| ++++ | modeDue | [1..1] | Max35Text | The execution due mode defines how the date when order should be executed is specified. Possible values: DUE_DAY_OF_MONTH (specific number of day in the month is defined). Other values are not supported. |
| ++++ | interval | [1..1] | Max10Text | Execution interval defines how often order is executed. Possible values: DAILY, WEEKLY, BI-WEEKLY (twice in a month), MONTHLY, BI_MONTHLY, QUARTERLY, HALFYEARLY, YEARLY, IRREGULAR. |
| ++++ | intervalDue | [0..0] | Number | Not supported |
| ++ | debtorAccount | [1..1] | ± | Payer's account |
| +++ | id | [1..1] | Text | API Payment account identifier |
| +++ | identification | [1..1] | ± | Payer account identifier |
| ++++ | iban | [1..1] | IBAN2007Identifier | IBAN |
| +++ | currency | [1..1] | CurrencyCode, ISO 4217 | Payer account currency |
| ++ | creditorAccount | [1..1] | ± | Payee's account |
| +++ | identification | [1..1] | ± | Payee account identifier |
| ++++ | iban | [1..1] | IBAN2007Identifier | IBAN |
| +++ | currency | [1..1] | CurrencyCode, ISO 4217 | Payee account currency |
| ++ | remittanceInformation | [1..1] | ± | |
| +++ | unstructured | [0..1] | Max140Text, CERTIS supported | Structured message for the creditor. Also this field is used as Alias if filled by user. |
| +++ | structured | [1..1] | StructuredRemittanceInformation7CZ | Structured message for the creditor – variable symbol |
| ++++ | creditorReferenceInformation | [1..1] | CreditorReferenceInformation2CZ | Creditor reference information |
| +++++ | reference | [1..1] | CreditorReferenceInformation2CZ | KS value The variable symbol value is recorded as VS:max.10 digits (e.g. VS:3451859072). If not filled by user value „0“ is provided. |

JSON example of response:

```
{
  "pageNumber": 0,
  "pageCount": 2,
  "pageSize": 10,
  "standingOrders": [
    {
      "standingOrderIdentification": {"transactionIdentification": "221010"},
      "amount": {"instructedAmount": {
        "value": 999,
        "currency": "CZK"
      }},
      "standingOrder": {
        "alias": "ČERPÁNÍ_TEST",
        "execution": {
          "mode": "UNTIL_CANCELLATION",
          "modeDue": "DUE_DAY_OF_MONTH",
          "interval": "MONTHLY"
        }
      }
    },
    {
      "debtorAccount": {
        "id": "Gsuil3A_Vcg9Ww2IP5zLWUjK7AmAos8b0xU09CfN9iB6s9q4C3sGrTKNGBQaH_c6QQAPDapJhcAjX6Wd5q3b1i8EK2k4H6r5Lq6BlnaZWmY",
        "identification": {"iban": "CZ1101000900930763990217"},
        "currency": "CZK"
      },
      "creditorAccount": {
        "identification": {"iban": "CZ8401000000000009121507"},
        "currency": "CZK"
      },
      "remittanceInformation": {
        "unstructured": "ČERPÁNÍ_TEST",
        "structured": {"creditorReferenceInformation": {"reference": ["VS:9999"]}}
      }
    },
    {
      "standingOrderIdentification": {"transactionIdentification": "545617"},
      "amount": {"instructedAmount": {
        "value": 1.69,
        "currency": "CZK"
      }},
      "standingOrder": {"execution": {
        "mode": "UNTIL_CANCELLATION",
        "modeDue": "DUE_DAY_OF_MONTH",
        "interval": "MONTHLY"
      }},
      "debtorAccount": {
        "id": "Gsuil3A_Vcg9Ww2IP5zLWUjK7AmAos8b0xU09CfN9iCwyvRZCOZAMIsZnh3Q3famIXQNEE3KJi6ka3P-2gvU-eK5rmB3I-bOhtrf2JPqkdQ",
        "identification": {"iban": "CZ1101000900930763990217"},
        "currency": "CZK"
      },
      "creditorAccount": {
        "identification": {"iban": "CZ2101000900930778340217"},
        "currency": "CZK"
      },
      "remittanceInformation": {"structured": {"creditorReferenceInformation": {"reference": ["VS:0"]}}}
    }
  ]
}
```

},

6. Standing order details

Resource for get detail about the standing order.

It is at the choice of each bank whether to return details of any client's standing order or just those that the client has established through a particular TPP.

Resource characteristics

| | |
|-----------------------|---|
| URI: | /standingorders/{transactionIdentification} |
| HTTP Method: | GET |
| Request URL: | https://api.kb.cz/serverapi/aisp/v2/my/standingorders/{transactionIdentification} |
| Authorization: | the request requires an authorisation by the user/client as part of the API call. |
| Certification: | the request requires the use of the third party qualified certificate as part of establishing two-way TSL communication with the server. The third party is identified by verifying the validity and content of this certificate. |
| Pagination: | no |
| Sorting: | no |
| Filtration: | no |

Query parameters of the request

| Parameter | Type | Manda-tory | Purpose |
|-----------------------------------|-----------|------------|--|
| transactionIdentif ication | Max35Text | Yes | Identifier of established standing order instruction |

Request header parameters

| Parameter | Type | Manda-tory | Purpose |
|---------------------------|------|------------|---|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |
| API-key | Text | No | An optional string issued to a communicating third party as the call identifier of that party primarily serving as the configuration element of communication. |
| Authorisation | Text | Yes | A parameter used for forwarding the authenticated user's access token along with its type. |
| TPP-Name | Text | Yes | The name of the original TPP that created the request. Eg. 'Star corporation, a.s.'. In this field, only characters with no diacritics are supported. |
| TPP-Identification | Text | No | The identification (licence number) of the original TPP that created the request. Eg. 'CZ013574-15' |

Response header parameters

| PARAMETER | TYPE | MANDA-TORY | PURPOSE |
|---------------------|------|------------|---|
| Content-Type | Text | Yes | A specification of the required transfer format. Based on the prerequisites of the technical specification of this API standard, in this case the application/json format is primarily supported. |

Error codes defined for the service GET - Standing order details:

| HTTP status code | Error code | Purpose |
|------------------|---------------------|---|
| 401 | UNAUTHORISED | Invalid/missing access token = user is not authenticated |
| 401 | UNAUTHORISED | Invalid/missing certificate = provider is not authenticated |
| 501 | NOT_IMPLEMENTED | Method not implemented |
| 404 | TRANSACTION_MISSING | The requested transaction ID does not exist. |

Standing order details report elements

| Level | Message element | Occurrence | Payment type | Format type | Presentation |
|-------|-----------------------------|----------------------------|--------------------------------|--|---|
| + | standingOrderIdentification | [1..1] | ALL | Max35Text | Standing order identification |
| ++ | instructionIdentification | [1..1] | ALL | Max35Text | Instruction identification |
| ++ | endToEndIdentification | [0..0] [0..0] [0..0] | TUZEM SEPA EHP NONEHP | Max35Text | End to end identification SEPA – Not supported |
| ++ | transactionIdentification | [0..0] | ALL | Max35Text | Transaction identification |
| + | paymentTypeInfoInformation | [1..1] | ALL | The same object as to initiate payments chapter ... | |
| + | amount | [1..1] | ALL | STDO - AmountType3CZ ESST - AmountType3CZ XBST - AmountType3Choice | Payment amount |
| ++ | instructedAmount | [1..1] | ALL | CurrencyAndAmount | Amount and currency in the instruction |
| +++ | value | [1..1] | ALL | Amount | Amount of the transfer |
| +++ | currency | [1..1] | ALL | CurrencyCode | Transfer Currency |
| + | requestedExecutionDate | [1..1] | ALL | ISODate | Requested date of payment |
| + | standingOrder | [1..1] | ALL | Structure | Structure describing the parameters of the standing orders. |
| ++ | alias | [0..1] | ALL | Max250Text | Description resp. the user-defined standing |

| | | | | | |
|-----|-----------|--------|-----|-----------|---|
| | | | | | order payment name. In the alias field always display information from the remittance information field. |
| ++ | execution | [1..1] | ALL | | Features of execution a standing order for payment. |
| +++ | mode | [1..1] | ALL | Max35Text | The execution mode defines when or how standing order will be cancelled, processed the last time. Possible values: UNTIL_DATE (standing order is valid until specific date - field lastExecutionDate), UNTIL_CANCELLATION (standing order is valid forever and must be cancelled by client), AFTER_MAX_ITERATION_EXCEEDED (certain count of executions is specified - field maxIterations) In KB the date of the last payment is determined by the number of repetitions and added or MAX_AMOUNT_EXCEEDED (maximum amount which can be transferred for this order is specified, if next iteration would exceed this amount it is not executed - field maxAmount). Not supported |
| +++ | modeDue | [1..1] | ALL | Max35Text | The execution due mode defines how the date when order should be executed is specified. Possible values: DUE_DAY_OF_MONTH (specific number of day in the month is defined) or DUE_OR_BEFORE_DAY_OF_MONTH (is defined as a specific day of the month or |

| | | | | | |
|-----|-------------------|--------|-----|-----------|---|
| | | | | | <p>the previous day if the day falls on a non-banking day) or DUE_OR_NEXT_DAY_OF_MONTH (is defined as a specific day of the month or the next day if the day falls on a non-banking day) or DUE_LAST_DAY_OF_MONTH (order is executed on last day of particular month).</p> <p>Not supported</p> |
| +++ | interval | [1..1] | ALL | Max10Text | <p>Execution interval defines how often order is executed. Possible values: DAILY, WEEKLY, BI-WEEKLY, MONTHLY, BI_MONTHLY, QUARTERLY, HALFYEARLY, YEARLY, IRREGULAR – Not supported.</p> |
| +++ | intervalDue | [0..0] | ALL | Number | <p>Value represents order number of the day within particular period when the standing order will be regularly executed. Possible values: 1-7 (for WEEKLY interval), 1-28 for MONTHLY, 1-2 for BI_MONTHLY, 1-3 for QUARTERLY, 1-6 for HALFYEARLY, 1-12 for YEARLY.</p> <p>Not supported.</p> |
| ++ | validity | [1..1] | ALL | | <p>Elements restricting the validity of the standing order.</p> <p>If the final due date is not filled in, an empty field is always returned.</p> |
| +++ | lastExecutionDate | [0..1] | ALL | ISODate | <p>Date when the last order will be processed. Null value responds to ending by the user.</p> |
| +++ | maxIterations | [0..0] | ALL | Number | <p>Maximum number of iterations - processing of the standing order. Only applicable in</p> |

| | | | | | |
|------|-----------------|--------|------------|--------------------|---|
| | | | | | combination with executionMode AFTER_MAX_ITERATION_EXCEEDED. Not supported |
| +++ | maxAmount | [0..0] | ALL | Amount | Maximum amount to be transferred using the standing order. Only applicable in combination with executionMode AFTER_MAX_AMOUNT_EXCEEDED. Not supported. |
| ++++ | value | [1..1] | ALL | Amount | Maximum amount of the transfer |
| ++++ | currency | [1..1] | ALL | CurrencyCode | Transfer Currency of the maximum amount |
| ++ | exceptions | [0..1] | ALL | | Elements defining exceptions to executing a standing order. |
| +++ | stoppages | [0..0] | ALL | Array of Max20Text | List of months where there is no payment (only applicable with interval IRREGULAR). Possible values: JANUARY, FEBRUARY, MARCH, APRIL, MAY, JUNE, JULY, AUGUST, SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER. Not supported |
| +++ | breaks | [0..1] | ALL | Array of Intervals | Break periods. |
| ++++ | validFromDate | [0..1] | ALL | ISODate | Start date of one break period. Standing order will not be processed from this date. |
| ++++ | validToDate | [0..1] | ALL | ISODate | End date of one break period. Standing order will not be processed to this date. |
| ++ | openDate | [0..1] | ALL | ISODate | Date when the standing order was created. |
| ++ | lastDate | [0..1] | ALL | ISODate | Date of the last execution of the standing order. |

| | | | | | |
|----|-------------------------|--------------------------------------|--------------------------------|---|--|
| + | exchangeRateInformation | [0..0] | ALL | The same object as to initiate payments chapter ... | |
| + | chargeBearer | [0..0] [0..0] [0..0] [0..1] | TUZEM SEPA EHP NONEHP | ChargeBearerType1Code | Fee payer. EHP - Not supported |
| + | chargesAccount | [0..0] | ALL | The same object as to initiate payments chapter ... | |
| + | ultimateDebtor | [0..0] [0..0] [0..0] [0..0] | TUZEM SEPA EHP NONEHP | The same object as to initiate payments chapter ... | SEPA - Not supported |
| + | debtor | [0..0] | ALL | The same object as to initiate payments chapter ... | Payer |
| + | debtorAccount | [1..1] | ALL | The same object as to initiate payments chapter ... | Payer's account |
| + | intermediaryAgent1 | [0..0] | ALL | The same object as to initiate payments chapter ... | |
| + | creditorAgent | [0..0] [0..0] [0..0] [0..0] | TUZEM SEPA EHP NONEHP | The same object as to initiate payments chapter ... | SEPA, EHP, NONEHP - Not supported |
| + | creditor | [0..0] [0..0] [0..0] [0..0] | TUZEM SEPA EHP NONEHP | The same object as to initiate payments chapter ... | SEPA, EHP, NONEHP - Not supported |
| + | creditorAccount | [1..1] | ALL | The same object as to initiate payments chapter ... | beneficiary's account |
| + | ultimateCreditor | [0..0] [0..0] [0..0] [0..0] | TUZEM SEPA EHP NONEHP | The same object as to initiate payments chapter ... | SEPA - Not supported |
| + | purpose | [0..0] | ALL | The same object as to initiate payments chapter ... | Purpose of payment |
| + | instructionForNextAgent | [0..0] | ALL | Instruction code | Instructions for the next bank |
| + | remittanceInformation | [1..1] | ALL | The same object as to initiate payments chapter ... | It is always returned even if nothing has been entered. |
| + | signInfo | [1..1] | ALL | ± | Status information and id of unauthorized transactions |
| ++ | state | [1..1] | ALL | StateCode | Transaction |

| | | | | | |
|----|-------------------|--------|-----|-----------------|--|
| | | | | | authorization status |
| ++ | signId | [1..1] | ALL | Text | Identifier of the authorization process of a particular transaction. Always returned |
| + | instructionStatus | [1..1] | ALL | Status Code set | Transaction status identifier |
| + | statusChangeInfo | [0..1] | ALL | Text | Specifies the change which was made to the instruction. Used with instructionStatus "ACWC". Not supported. |

JSON příklad response:

```
{
  "standingOrderIdentification": {
    "instructionIdentification": "NOTPROVIDED",
    "transactionIdentification": "33838828"
  },
  "amount": { "instructedAmount": {
    "value": 1,
    "currency": "CZK"
  }
},
  "requestedExecutionDate": "2021-10-05",
  "standingOrder": {
    "alias": "TESTOVACI - AT",
    "execution": {
      "mode": "UNTIL_DATE",
      "modeDue": "DUE_DAY_OF_MONTH",
      "interval": "MONTHLY"
    },
    "validity": { "lastExecutionDate": "2022-11-30" },
    "exceptions": {},
    "openDate": "2021-06-21",
    "lastDate": "2021-09-03"
  },
  "debtorAccount": {
    "identification": { "iban": "CZ410100000115XXXXXXXXXX" },
    "currency": "CZK"
  },
  "creditorAccount": {
    "identification": { "iban": "CZ080100000123XXXXXXXXXX" },
    "currency": "CZK"
  },
  "remittanceInformation": {
    "unstructured": "TESTOVACI",
    "structured": { "creditorReferenceInformation": { "reference": [
      "VS:111",
      "SS:333",
      "KS:222"
    ] }
  }
},
  "paymentTypeInformation": { "serviceLevel": { "code": "DMCT" } },
  "instructionStatus": "ACSP",
}
```

```
"signInfo": {  
  "state": "CLOSE",  
  "signId": "33838828"  
}  
}
```