OpenAPI
(ex-Budapest Bank)

Open Banking interface (ex-Budapest Bank OpenAPI)

Account information services

Version 3.2

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Please visit openbanking.mbhbank.hu to get more information on MBH Bank Open
Banking, including operational information on the live service.

Contact

In case you have a question or any problem regarding our services, please send us
a message using the following email address and we will reply in 2 working days:

openbanking@mbhbank.hu

1 Introduction

This document describes the AccountInfo services provided by MBH Bank Open Banking (ex-Budapest Bank OpenAPI) interface. These services are for AISPs to get information on the PSU's account. All service access requires approval from the target account's approvers. The approval results in a consent, which provides access to the account services for a maximum of 90 days. In these 90 days the TPP does not need an approval to use the services.

2 Supported Operations

Operation Name	Description	Role of the TPP	SCA Approval required by PSU(s)	Consent token required
getBalance	Inquiry available balance of the given account.	AISP	no	yes
getConfirmationOfFunds	Inquiry fund availability of the given account and amount.	PISP, PIISP	no	yes
getExtractList	Retrieve the available statements for the account within the given period.	AISP	no	yes
getStandingOrderList	Inquiry available the list of standing orders for the account.	AISP	no	yes
getStatus	Inquiry status of approval or order completion process. In case of consent, if the initiateConsentRequest was approved it will contain the consent token in the response message.	AISP, PISP, PIISP	no	no
getTransactionsList	Inquiry transaction history up to the last 90 days.	AISP	no	yes
initiateConsentRequest	Get access to account information services for a limited period. It requires to complete approval process on the Bank's side. During consent request, the Bank determines the selection of accessible services based on TPP's technical registration.	AISP, PISP, PIISP	yes	no
startExtractPrint	Start printing the given extracts.	AISP	no	yes
revokeApproval	Revoke the given approval process.	AISP, PISP, PIISP	no	no

All operations are available via SOAP over HTTPS interface.

3 Consent handling

The usage of consent based services requires an approval from the target account's approvers. The TPP needs to send an initiateConsentRequest request. This generates approval tasks that are sent to the users who have approval rights over the given account. If the request is approved, it results in a consent. TPP must gather initiateConsentRequest's status via getStatus request. If the request is approved the getStatus response will contain the new consent ID. The TPP can use the consent ID to use AccountInfo services without further approval from the PSU.

Consents are valid for all AccountInfo services that the TPP has access to. The services that the consent is valid for are returned to the TPP.

The consent is valid for maximum 90 days from the time of the approval. For example if a consent is approved on 2019-09-14T13:00:01+0200 then it is valid for 2019-12-13T13:00:01+0100. In this period the TPP does not need to ask for the PSU's approval to request information about the account.

4 Service Definitions

This chapter provides information about the AccountInfo_V1 services. The base definition of the service can be found in the AccountInfo_V1.wsdl and referred xsd files. This document provides more details on input and output fields. Requirements or restrictions that cannot be put into the WSDL can be found here.

For input fields only the fields listed in this service definition are used. All other fields that may be the service definition wsdl will be ignored by the API.

For output fields the fields presented in this service description are the only fields that are guaranteed to return relevant values. Values returned in other fields (if any) should be used as informational data.

The c: namespace here refers to the bbcommon: namespace in the WSDL definition.

All business date/datetime fields are Budapest local time CET or CDT if timezone is not present. All header fields are UTC timezone if not marked otherwise.

4.1 getBalance Operation

4.1.1 Description

The `GetBalance` service is used to retrieve the balance of a given account. The TPP must have a valid consent to successfully use this service. If the TPP does not have a valid consent, the `initiateConsentRequest` service should be called first for the given IBAN and the `GetBalance` service to acquire Consent. If the TPP does not have a valid Consent, the result of the request is a fault.

The service is eligible for a maximum of 90 day consent.

4.1.2 Input Fields

#		Name	Type	Num	Description
1		consent	complex type	[1..1]	Request target
	1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
	1.2	target	c:targetType	[1..1]	The IBAN account number
	1.3	id	c:consentIdType	[1..1]	The id of the consent

4.1.3 Output Fields:

#		Name	Type	Num	Description
1		consent	complex type	[1..1]	Request target
	1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
	1.2	target	c:ibanType	[1..1]	The IBAN account number
	1.3	id	c:consentIdType	[1..1]	The id of the consent
2		transactionId	c:transactionType	[1..1]	The transaction id given by the API.
3		balances	complex type	[1..1]	The balances of the requested account
	3.1	balance	complex type	[1..*]	Balance object to hold the balance of the given account. One row returned per balance type
	3.1.1	balanceType	c: balanceTypeType	[1..1]	Type of the given balance value. At the moment the only type available is "availableBalance"
	3.1.2	amount	c:amountType	[1..1]	Balance amount
	3.1.3	currency	c: currencyType	[1..1]	ISO code of the account's currency. 'HUF' in case of Hungarian Forint account.

4.1.4 Sample XML request

Below you can find a sample XML request (without the security header part):

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

    <bbrt:Head>

      <RequestDate>2019-09-12</RequestDate>

      <RequestTime>08:23:16</RequestTime>

      <RequestId>955be8b1-2b87-4b0a-a3e6-419753853610</RequestId>

    </bbrt:Head>

  </soapenv:Header>

  <soapenv:Body>

    <ns:getBalance>

      <consent>

        <type>IBAN</type>

        <target>HU12345678901234567890123456</target>

        <id>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</id>

      </consent>

    </ns:getBalance>
```

</soapenv:Body>

</soapenv:Envelope>

4.2   getConfirmationOfFunds Operation

4.2.1   Description

The purpose of this service is to ask for a confirmation from the bank that the required funds are available on the target account at the time of the request. This is an informational service only, the service does not place a hold on the amount requested.

The TPP must have a valid consent to successfully use this service. If the TPP does not have a valid consent, the `initiateConsentRequest` service should be called first for the given IBAN and the `GetConfirmationOfFunds` service to acquire Consent. If the TPP does not have a valid Consent, the result of the request is a fault.

The service is eligible for a maximum of 90 day consent.

4.2.2   Input Fields

getConfirmationOfFunds Operation - Input Fields				
#	Name	Type	Num	Description
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:targetType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	instructedAmount	complex type	[1..1]	The funds the service is asking for
2.1	amount	c:amountType	[1..1]	The instructed amount
2.2	currency	c:currencyType	[1..1]	ISO code of the instructed amount's currency, 'HUF' in case of Hungarian Forint. Instructed amount's and account's currency have to be matched, otherwise the request will be declined.

4.2.3 Output Fields

#	Name	Type	Num	Description
getConfirmationOfFunds Operation - Output Fields				
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	transactionId	c:transactionType	[1..1]	The transaction id given by the API.
3	fundsAvailable	xs:boolean	[1..1]	Is the required funds available on the target account.
4	queryDate	xs:dateTime	[1..1]	The date and time of the fund check. Time zone is CET (or CDT).

4.2.4 Sample XML request

Below you can find a sample XML request (without the security header part):

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

    <bbrt:Head>

      <RequestDate>2019-09-12</RequestDate>

      <RequestTime>08:23:16</RequestTime>

      <RequestId>955be8b1-2b87-4b0a-a3e6-419753853610</RequestId>

    </bbrt:Head>

  </soapenv:Header>
```

```
<soapenv:Body>

  <ns:getConfirmationOfFunds>

    <consent>

      <type>IBAN</type>

      <target>HU12345678901234567890123456</target>

      <id>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</id>

    </consent>

    <instructedAmount>

      <amount>1</amount>

      <currency>HUF</currency>

    </instructedAmount>

  </ns:getConfirmationOfFunds>

 </soapenv:Body>

</soapenv:Envelope>
```

4.3   getExtractList Operation

4.3.1   Description

The purpose of this service is to retrieve the available statements for the account within the given period.

The TPP must have a valid consent to successfully use this service. If the TPP does not have a valid consent, the initiateConsentRequest service should be called first for the given IBAN to acquire the consent. If the TPP does not have a valid Consent, the result of the request is a fault.

The service is eligible for a maximum of 90 day consent.

4.3.2   Input Fields

getExtractList Operation - Input Fields				
#	Name	Type	Num	Description
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	startDate	xs:date	[1..1]	Start date of requested extracts. Has to be greater than the current date – 62 days.
3	endDate	xs:date	[1..1]	End date of requested extracts

4.3.3   Output Fields

getExtractList Operation - Output Fields				
#	Name	Type	Num	Description
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	statement	complex type	[1..n]	The element to hold the data of statements
2	statementAddress	xs:string	[0..1]	Part of the address on the statement: street name and house number

getExtractList Operation - Output Fields				
#	Name	Type	Num	Description
3	statementDate	xs:date	[0..1	Date of statement
4	statementYear	xs:integer	[0..1	Year of statement
5	statementId	xs:integer	[0..1	Unique ID of the statement
6	statementZipCode	xs:string	[0..1	Part of the address on the statement: zip code
7	statementPageNumber	xs:integer	[0..1	Number of pages in the statement
8	statementOpeningBalance	xs:double	[0..1	Opening balance
9	statementPrintNumber	xs:integer	[0..1	Number of printouts of the statement
10	statementSerialNumber	xs:integer	[0..1	Serial number of the statement
11	statementCity	xs:string	[0..1	Part of the address on the statement: city
12	statementClosingBalance	xs:double	[0..1	Closing balance
13	productId	xs:string	[0..1	ID of the product
14	productType	xs:string	[0..1	Type of the product

4.3.4 Sample XML request

Below you can find a sample XML request (without the security header part):

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"

xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

   <bbrt:Head>

    <RequestDate>2019-09-12</RequestDate>

    <RequestTime>08:23:16</RequestTime>

    <RequestId>955be8b1-2b87-4b0a-a3e6-419753853610</RequestId>

   </bbrt:Head>

```
        </soapenv:Header>

    <soapenv:Body>

      <ns:getExtractList>

        <consent>

          <type>IBAN</type>

          <target>HU12345678901234567890123456</target>

          <id>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</id>

        </consent>

        <startDate>2019-09-12</startDate>

        <endDate>2019-09-12</endDate>

      </ns:getExtractListtt>

    </soapenv:Body>

  </soapenv:Envelope>
```

4.4 getStandingOrderList Operation

4.4.1 Description
The purpose of this service is to retrieve the list of standing orders for the account.

The TPP must have a valid consent to successfully use this service. If the TPP does not have a valid consent, the `initiateConsentRequest` service should be called first for the given IBAN and the `GetStandingOrderList` service to acquire Consent. If the TPP does not have a valid Consent, the result of the request is a fault.

The service is eligible for a maximum of 90 day consent.

4.4.2 Input Fields

getStandingOrderList Operation - Input Fields				
#	**Name**	**Type**	**Num**	**Description**
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent

4.4.3 Output Fields

getStandingOrderList Operation - Output Fields				
#	**Name**	**Type**	**Num**	**Description**
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	transactionId	c:transactionType	[1..1]	The transaction id given by the API.
3	standingOrders	complex type	[0..1]	The element to hold the list of standing orders
3.1*	standingOrder	complex type	[0..*]	The standing order data. Can be zero or more elements.
3.1.1	startDate	xs:date	[1..1]	First payment date
3.1.2	endDate	xs:date	[0..1]	Last payment date, if there is any
3.1.3	nextDate	xs:date	[0..1]	Next payment date if there is any
3.1.4	lastDate	xs:date	[0..1]	Last processed payment date
3.1.5	instructedAmount	complex type	[0..1]	The amount of the standing order
3.1.5.1	amount	c:amountHUFType	[1..1]	Instructed amount
3.1.5.2	currency	c:currencyHUFType	[1..1]	ISO code of the instructed amount's currency.
3.1.6	threshold	xs:string	[0..1]	Threshold of the order
3.1.7	creditorName	c:creditorName	[0..1]	The name of the creditor

#	Name	Type	Num	Description
	getStandingOrderList Operation - Output Fields			
3.1.8	creditorAccount	xs:string	[0..1]	The creditor account for the standing order
3.1.9	remittanceInformationUnstructured	c:remittanceInformationUnstructuredType	[0..1]	The remittance information of the standing order.
3.1.10	executionRule	c: executionRuleType	[0..1]	The execution rule for the standing order. Possible values are: - "until revoked" - "to date" - "until a number of fulfilled orders" - "to amount" - "stopped" - "ended"
3.1.11	standingOrderId	c: standingOrderIdType	[0..1]	The id of the standing order.
3.1.12	processedPaymentCount	xs:string	[0..1]	The count of processed payments
3.1.13	processedPaymentQuantity	xs:string	[0..1]	Total amount of processed payments
3.1.14	newPaymentAmount	xs:string	[0..1]	New payment value after modification
3.1.15	newPaymentDate	xs:string	[0..1]	New payment date after modification
3.1.16	status	xs:string	[0..1]	The status of the standing order. The possible values are: - 'A' -> active - 'R' -> creation in progress - 'M' -> modification in progress - 'L' -> closing in progress - 'D' -> closed - 'H' -> archive - 'T' -> deleted - 'E' -> error

4.4.4   Sample XML request

Below you can find a sample XML request (without the security header part):

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

    <bbrt:Head>

      <RequestDate>2019-09-12</RequestDate>

      <RequestTime>08:23:16</RequestTime>

      <RequestId>955be8b1-2b87-4b0a-a3e6-419753853610</RequestId>

    </bbrt:Head>

  </soapenv:Header>

  <soapenv:Body>

    <ns:getStandingOrderList>

      <consent>

        <type>IBAN</type>

        <target>HU12345678901234567890123456</target>

        <id>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</id>

      </consent>

    </ns:getStandingOrderList>

  </soapenv:Body>
```

</soapenv:Envelope>

4.5   getStatus Operation

4.5.1   Description

The purpose of this service is to retrieve the status of the approval process and the status of the payment order.

4.5.2   Input Fields

getStatus Operation - Input Fields				
#	Name	Type	Num	Description
1	transactionId	c:tansactionIdType	[1..1]	The id of the transaction the TPP is asking for.

4.5.3   Output Fields

getStatus Operation - Output Fields				
#	Name	Type	Num	Description
1	transactionId	c:tansactionIdType	[1..1]	The transaction id given by the API.

2	status	c:statusType	[1..1]	The status of the request. the possible values are:
				  - "received"
				  - "pending"
				  - "approved"
				  - "inprogress"
				  - "completed"
				  - "declined"
				  - "cancelled"
				  - "revoked"

3	errorCode	c:errorCodeType	[0..1]	The code of the declined reason. This tag is mandatory if the status of the request is declined. For the possible values see in the MBH Bank Open Banking interface document.
4	errorDescription	xs:string	[0..1]	Description of the declined reason. This tag is mandatory if the status of the request is declined. For the possible values see in the MBH Bank Open Banking interface document.
5	consent	complex type	[1..1]	Request target (choice)

getStatus Operation - Output Fields					
#	Name		Type	Num	Description
5.1	id		c:consentIdType	[0..1]	The id of the consent (present if the related initiateConsentRequest was approved)
5.2	expiration		xs:dateTime	[0..1]	Expiration of the consent (present if the related initiateConsentRequest was approved)
5.3	grantedAPIs		complex type	[1..1]	List of available services related to consent
5.3.1	grantedAPI		complex type	[1..*]	Service details
5.3.3.1		service	xs:string	[1..1]	Service name, example: AccountInfo
5.3.3.2		serviceVersion	xs:string	[1..1]	Service version, example: 1
5.3.3.3		operation	xs:string	[1..1]	Operation name, example: getBalance
6	order	complex type		[1..1]	The order data (choice)
6.1	type		c:orderType	[1..1]	The type of the order. The possible values are: - PromtHUF -> Instant payment - NormalHUF -> Usual HUF transaction - FX -> Foreign transfer - RevAPPR -> Revoke approval operation - RevTRANS -> Revoke credit transfer operation - StanOrdHUF -> Standing order HUF operation - DelStanOrdHUF -> Delete standing order HUF operation

4.5.4   Sample XML request

Below you can find a sample XML request (without the security header part):

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

    <bbrt:Head>

```
        <RequestDate>2019-09-12</RequestDate>

        <RequestTime>08:23:16</RequestTime>

        <RequestId>955be8b1-2b87-4b0a-a3e6-419753853610</RequestId>

      </bbrt:Head>

    </soapenv:Header>

    <soapenv:Body>

      <ns:getStatus>

        <transactionId>123456789AB</transactionId>

      </ns:getStatus>

    </soapenv:Body>

  </soapenv:Envelope>
```

4.6 getTransactionsList Operation

4.6.1 Description
This service retrieves the transaction history of the account.

The TPP must have a valid consent to successfully use this service. If the TPP does not have a valid consent, the `initiateConsentRequest` service should be called first for the given IBAN and the `getTransactionsList` service to acquire Consent. If the TPP does not have a valid Consent, the result of the request is a fault.

The service is eligible for a maximum of 90 day consent.

4.6.2 Input Fields

#	Name	Type	Num	Description
getTransactionsList Operation - Input Fields				
#	Name	Type	Num	Description
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent. The only values accepted is "IBAN".
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	resultCount	c:resultCountType	[1..1]	The maximum returned result requested. Integer minimum value is 1 maximum value is 1000
3	startDate	xs:date	[1..1]	Start date of the query period. Earliest date is: today-90 days' date
4	endDate	xs:date	[1..1]	End date of the query period. Latest date is current date.

4.6.3 Output Fields

#	Name	Type	Num	Description
getTransactionsList Operation - Output Fields				
#	Name	Type	Num	Description
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	transactionId	c:transactionIdType	[1..1]	The transaction id given by the API.
3	transactions	complex type	[0..1]	List of transactions
3	transaction	complex type	[0..*]	Transaction history element
3.1	valueDate	xs:date	[0..1]	Value date of the transaction
3.2	cardUsageDate	xs:date	[0..1]	In case of card transaction the date of the card usage
3.3	cardNumber	xs:string	[0..1]	In case of card transaction the card number in masked format
3.4	cardUsageLocation	xs:string	[0..1]	Location of card transaction
3.5	creditorAccount	xs:string	[0..1]	Account of the creditor
3.6	creditorName	xs:string	[0..1]	Name of the creditor

	getTransactionsList Operation - Output Fields				
#	Name		Type	Num	Description
3.7	bookingDate		xs:date	[0..1]	Booking date of the transaction
3.8	remittanceInformationUnstructured		xs:string	[0..1]	Remittance information of the transaction
3.9	actuonDescHU		xs:string	[0..1]	Description of the transaction type in Hungarian. Examples: 'Pénztári befizetés', 'Internetbank átutalás', 'Fogadott tétel', 'Vásárlás', etc.
3.10	actuonDescEN		xs:string	[0..1]	Description of the transaction type in English. Examples: 'Cashier pay-in', 'Internetbank remittance', 'Received item', 'Purchase', etc.
3.11	bookingReferenceNumber		xs:string	[0..1]	Booking reference number of the transaction
3.12	accountCurrency		xs:string	[0..1]	ISO code of the account's currency. 'HUF' in case of Hungarian Forint account.
3.13	transactionChannelDescription		xs:string	[0..1]	Description of the origination transaction channel in Hungarian. Examples: 'Fiok', 'NetBank', 'Bankon kivulrol erkezo', 'Kartya', etc.
3.14	transactionAmount		complex type	[0..1]	The amount of the transaction
3.14.1		currency	xs:string	[0..1]	ISO code of the account's currency.
3.14.2		value	xs:string	[0..1]	Amount of the transaction with negative sign in case of debit transaction

4.6.4 Sample XML request

Below you can find a sample XML request (without the security header part):

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

   <bbrt:Head>

    <RequestDate>2019-09-12</RequestDate>

    <RequestTime>08:23:16</RequestTime>

    <RequestId>955be8b1-2b87-4b0a-a3e6-419753853610</RequestId>

```
      </bbrt:Head>

    </soapenv:Header>

    <soapenv:Body>

      <ns:getTransactionsList>

        <consent>

          <type>IBAN</type>

          <target>HU12345678901234567890123456</target>

          <id>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</id>

        </consent>

        <resultCount>20</resultCount>

        <startDate>2019-04-20</startDate>

        <endDate>2019-12-23</endDate>

      </ns:getTransactionsList>

    </soapenv:Body>

  </soapenv:Envelope>
```

4.7 initiateConsentRequest Operation

4.7.1 Description

The `initiateConsentRequest` service is used to start an approval for the given IBAN for the given TPP. The Consent acquired this way can be used by the TPP to get information on the target account. All account related inquiry services can be used with a valid consent.

4.7.2 Input Fields

#	Name	Type	Num	Description
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:targetType	[1..1]	The IBAN account number the Consent is requested for.
1.3	validityPeriod	c:validityperiodType	[1..1]	The requested validity period for the consent in days. Integer, value range is [1..90]

4.7.3 Output Fields

#	Name	Type	Num	Description
1	transactionId	c:transactionIdType	1..1]	The transaction id given by the API.
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.4	status	c:statusType	[1..1]	The status of the consent request. Possible values of status: - "received" - "pending" - "declined"

4.7.4 Sample XML request

Below you can find a sample XML request (without the security header part):

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

    <bbrt:Head>

      <RequestDate>2019-09-12</RequestDate>

      <RequestTime>08:15:03.587</RequestTime>

      <RequestId>12465B1D-D2EB-4664-BE63-9A854C1DEE10</RequestId>

      <ApplicationId>BR_TPP</ApplicationId>

      <ClientIPAddress>3.149.197.229</ClientIPAddress>

      <ClientGeoLocation>BBHQIT</ClientGeoLocation>

    </bbrt:Head>

  </soapenv:Header>

  <soapenv:Body>

    <ns:initiateConsentRequest>

      <consent>

        <type>IBAN</type>

        <target>HU12345678901234567890123456</target>

        <validityPeriod>1</validityPeriod>
```

```
        </consent>

    </ns:initiateConsentRequest>

  </soapenv:Body>

</soapenv:Envelope>
```

4.8   startExtractPrint Operation

4.8.1   Description

The purpose of this service is used to start printing the given extracts.

The TPP must have a valid consent to successfully use this service. If the TPP does not have a valid consent, the `initiateConsentRequest` service should be called first for the given IBAN and the `StartExtractPrint` service to acquire Consent. If the TPP does not have a valid Consent, the result of the request is a fault. The purpose of this service is used to start printing the given extracts.

The TPP must have a valid consent to successfully use this service. If the TPP does not have a valid consent, the initiateConsentRequest service should be called first for the given IBAN to acquire the consent. If the TPP does not have a valid Consent, the result of the request is a fault. If the required extract is ready for download within the response time of the service, then a download link will be presented in the answer with which the document can be downloaded using the same certificate which was used during the startExtractPrint call. The document is available to download for 24 hours. In case the extract is not available within the response time of the service the startExtractPrint request has to be sent again some time later until there is a download address in the response.

4.8.2   Input Fields

startExtractPrint Operation - Input Fields				
#	Name	Type	Num	Description
1	consent	complex type	[1..1]	Request target
1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
1.2	target	c:ibanType	[1..1]	The IBAN account number
1.3	id	c:consentIdType	[1..1]	The id of the consent
2	statementId	c:transactionIdType	[1..1]	The unique ID of the statement

4.8.3 Output Fieds

#		Name	Type	Num	Description
startExtractPrint Operation - Output Fieds					
#		**Name**	**Type**	**Num**	**Description**
1		consent	complex type	[1..1]	Request target
	1.1	type	c:consentType	[1..1]	The type of the consent, "IBAN" for this service
	1.2	target	c:ibanType	[1..1]	The IBAN account number
	1.3	id	c:consentIdType	[1..1]	The id of the consent
2		statementLink	c:transactionIdType	[1..1]	Link of preview PDF

4.8.4 Sample XML request

Below you can find a sample XML request (without the security header part):

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

* <soapenv:Header>*

*   <bbrt:Head>*

*   <RequestDate>2019-09-12</RequestDate>*

*   <RequestTime>08:54:16.317</RequestTime>*

*   <RequestId>12465B1D-D2EB-4664-BE63-9A854C1DEE10</RequestId>*

*   </bbrt:Head>*

* </soapenv:Header>*

* <soapenv:Body>*

```
    <ns:startExtractPrint>

     <consent>

       <type>IBAN</type>

       <target>HU12345678901234567890123456</target>

       <validityPeriod>1</validityPeriod>

     </consent>

     <statementId>1234567890AB</statementId>

    </ns:startExtractPrint>

   </soapenv:Body>

 </soapenv:Envelope>
```

4.9   revokeApproval Operation

4.9.1   Description

The `RevokeApproval` service is used to cancel an ongoing approval related to consent or order.

In the case of approval, the workflow is stopped, any approvals are discarded. The service can be used to cancel an order that has been approved but not fulfilled yet. In this case the order is not going to be fulfilled. It can also be used to cancel an already approved consent.

4.9.2 Input Fields

#	Name	Type	Num	Description
1	transactionId	c:transactionIdType	[1..1]	The Id of the transaction that the TPP would like to revoke.

4.9.3 Output Fields

#	Name	Type	Num	Description
1	transactionId	c:transactionIdType	[1..1]	The transaction id given by the API.
2	status	c:statusType	[1..1]	The status of the approval after the request. Possible values of status: - "received" - "pending" - "declined"

4.9.4 Sample XML request

Below you can find a sample XML request (without the security header part):

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:bbrt="http://bbrt.hu/"
xmlns:ns="http://bbrt.hu/openApiServices/AccountInfo/1/">

  <soapenv:Header>

    <bbrt:Head>

      <RequestDate>2019-09-12</RequestDate>

      <RequestTime>08:54:16.317</RequestTime>

      <RequestId>12465B1D-D2EB-4664-BE63-9A854C1DEE10</RequestId>

```
        </bbrt:Head>

      </soapenv:Header>

    <soapenv:Body>

      <ns:revokeApproval>

        <transactionId>1234567890AB</transactionId>

      </ns:revokeApproval>

    </soapenv:Body>

  </soapenv:Envelope>
```