

NextGenPSD2 XS2A Framework by Consorsbank, BNP Paribas Wealth Management and DAB BNP Paribas

Summary

The NextGenPSD2 Framework Version 1.3.2 offers a modern, open, harmonised and interoperable set of Application Programming Interfaces (APIs) as the safest and most efficient way to provide data securely. The NextGenPSD2 Framework reduces XS2A complexity and costs, addresses the problem of multiple competing standards in Europe and, aligned with the goals of the Euro Retail Payments Board, enables European banking customers to benefit from innovative products and services ('Banking as a Service') by granting TPPs safe and secure (authenticated and authorised) access to their bank accounts and financial data.

The possible approach offered by Consorsbank, BNP Paribas Wealth Management and DAB BNP Paribas is:

- Redirect SCA Approach

Please have a look at the implementation guidelines if you are not sure which message has to be used for the approach you are going to use.

Some General Remarks Related to this version of the OpenAPI Specification:

- This API definition is based on the Implementation Guidelines of the Berlin Group PSD2 API. It is not an replacement in any sense. The main specification is (at the moment) always the Implementation Guidelines of the Berlin Group PSD2 API.
- This API definition contains the REST-API for requests from the PISP, AISP and PIISP to the ASPSP.
- This API definition contains the messages for all different approaches defined in the Implementation Guidelines.
- According to the OpenAPI-Specification [<https://github.com/OAI/OpenAPI-Specification/blob/master/versions/3.0.1.md>]

"If in is "header" and the name field is "Accept" or "Content-Type", the parameter definition SHALL be ignored."

The element "Accept" will not be defined in this file at any place.

The element "Content-Type" is implicitly defined by the OpenApi tag "content".

Consorsbank, BNP Paribas Wealth Management and DAB BNP Paribas Contacts

- Consorsbank: [<https://www.consorsbank.de/service-beratung/xs2a/>] [[mailto: xs2a@consorsbank.de](mailto:xs2a@consorsbank.de)]
- BNP Paribas Wealth Management: [<https://www.consorsbank.de/service-beratung/xs2a/>] [[mailto: xs2a.wealthmanagement@bnpparibas.com](mailto:xs2a.wealthmanagement@bnpparibas.com)]
- DAB BNP Paribas : [<https://b2b.dab-bank.de/xs2a/>] [[mailto: xs2a@dab.com](mailto:xs2a@dab.com)]

General Remarks on Data Types

The Berlin Group definition of UTF-8 strings in context of the PSD2 API have to support at least the following characters

a b c d e f g h i j k l m n o p q r s t u v w x y z

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

0 1 2 3 4 5 6 7 8 9

/ - ? : () . , ' +

Space

More information: <https://www.berlin-group.org/>

Contact Info: info@berlin-group.org

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Access

Methods

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AccountInformationServiceAIS

POST /v1/consents



Create consent (createConsent)

STODO_Update Description This method create a consent resource, defining access rights to dedicated accounts of a given PSU-ID. These accounts are addressed explicitly in the method as parameters as a core function.

Side Effects When this Consent Request is a request where the `recurringIndicator` equals `true`, and if it exists already a former consent for recurring access on account information for the addressed PSU, then the former consent automatically expires as soon as the new consent request is authorised by the PSU.

As another option Consorsbank, BNP Paribas Wealth Management and DAB BNP Paribas accept a command, where only access rights are inserted without mentioning the addressed account. The relation to accounts is then handled afterwards between PSU and ASPSP.

Request body

body [consents](#) (optional)
Body Parameter –

Request headers

Return type

[consentsResponse-201](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

201
Created [consentsResponse-201](#)
400
Bad Request [Error400_NG_AIS](#)
401
Unauthorized [Error401_NG_AIS](#)
403
Forbidden [Error403_NG_AIS](#)
404
Not found [Error404_NG_AIS](#)
405
Method Not Allowed [Error405_NG_AIS](#)
406
Not Acceptable [Error406_NG_AIS](#)
408
Request Timeout
409
Conflict [Error409_NG_AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429_NG_AIS](#)
500
Internal Server Error
503
Service Unavailable

DELETE /v1/consents/{consentId}



Delete Consent (deleteConsent)

The TPP can delete an account information consent object if needed.

Path parameters

consentId (required)
Path Parameter – ID of the corresponding consent object as returned by an Account Information Consent Request.

Request headers

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

204
No Content
400
Bad Request [Error400_NG_AIS](#)
401
Unauthorized [Error401_NG_AIS](#)
403
Forbidden [Error403_NG_AIS](#)
404
Not found [Error404_NG_AIS](#)
405
Method Not Allowed [Error405_NG_AIS](#)
406
Not Acceptable [Error406_NG_AIS](#)
408
Request Timeout
409
Conflict [Error409_NG_AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429_NG_AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/accounts

Read Account List ([getAccountList](#))

Read the identifiers of the available payment account together with booking balance information, depending on the consent granted.

It is assumed that a consent of the PSU to this access is already given and stored on the ASPSP system. The addressed list of accounts depends then on the PSU ID and the stored consent addressed by consentId.

Returns all identifiers of the accounts, to which an account access has been granted to through the /consents endpoint by the PSU. In addition, relevant information about the accounts and hyperlinks to corresponding account information resources are provided if a related consent has been already granted.

Request headers

Query parameters

withBalance (optional)

Query Parameter – If contained, this function reads the list of accessible payment accounts including the booking balance, if granted by the PSU in the related consent and available by the ASPSP. This parameter might be ignored by the ASPSP.

Return type

[accountList](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [accountList](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG AIS](#)
403
Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408
Request Timeout
409
Conflict [Error409 NG AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429 NG AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/accounts/{account-id}/balances

Read Balance ([getBalances](#))

Reads account data from a given account addressed by "account-id".

Remark: This account-id is a tokenised identification due to data protection reason since the path information might be logged on intermediary servers within the ASPSP sphere. This account-id then can be retrieved by the "GET Account List" call.

The account-id is constant at least throughout the lifecycle of a given consent.

Path parameters

account-id (required)

Path Parameter – This identification is denoting the addressed account. The account-id is retrieved by using a "Read Account List" call. The account-id is the "id" attribute of the account structure. Its value is constant at least throughout the lifecycle of a given consent.

Request headers

Return type

[readAccountBalanceResponse-200](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [readAccountBalanceResponse-200](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG AIS](#)
403
Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408
Request Timeout
409

Conflict [Error409 NG AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429 NG AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/consents/{consentId}/authorisations

Get Consent Authorisation Sub-Resources Request (`getConsentAuthorisation`)

Return a list of all authorisation subresources IDs which have been created.

This function returns an array of hyperlinks to all generated authorisation sub-resources.

Path parameters

consentId (required)

Path Parameter – ID of the corresponding consent object as returned by an Account Information Consent Request.

Request headers

Return type

[authorisations](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [authorisations](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG AIS](#)
403
Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408
Request Timeout
409
Conflict [Error409 NG AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429 NG AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/consents/{consentId}

Get Consent Request (`getConsentInformation`)

Returns the content of an account information consent object. This is returning the data for the TPP especially in cases, where the consent was directly managed between ASPSP and PSU e.g. in a re-direct SCA Approach.

Path parameters

consentId (required)

Path Parameter – ID of the corresponding consent object as returned by an Account Information Consent Request.

Request headers

Return type

[consentInformationResponse-200.json](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [consentInformationResponse-200.json](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG AIS](#)
403
Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408
Request Timeout

409
Conflict [Error409 NG AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429 NG AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/consents/{consentId}/authorisations/{authorisationId}

Up

Read the SCA status of the consent authorisation. ([getConsentScaStatus](#))

This method returns the SCA status of a consent initiation's authorisation sub-resource.

Path parameters

consentId (required)

Path Parameter – ID of the corresponding consent object as returned by an Account Information Consent Request.

authorisationId (required)

Path Parameter – Resource identification of the related SCA.

Request headers

Return type

[scaStatusResponse](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [scaStatusResponse](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG AIS](#)
403
Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408
Request Timeout
409
Conflict [Error409 NG AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429 NG AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/consents/{consentId}/status

Up

Consent status request ([getConsentStatus](#))

Read the status of an account information consent resource.

Path parameters

consentId (required)

Path Parameter – ID of the corresponding consent object as returned by an Account Information Consent Request.

Request headers

Return type

[consentStatusResponse-200](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [consentStatusResponse-200](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG AIS](#)
403
Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408

Request Timeout
409
Conflict [Error409_NG_AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429_NG_AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/accounts/{account-id}/transactions/{resourceId}

Up

Read Transaction Details ([getTransactionDetails](#))

Reads transaction details from a given transaction addressed by `"resourceId"`; on a given account addressed by `"account-id"`; . This call is only available on transactions as reported in a JSON format.

Remark: Please note that the PATH might be already given in detail by the corresponding entry of the response of the `"Read Transaction List"`; call within the `_links` subfield.

Path parameters

account-id (required)

Path Parameter – This identification is denoting the addressed account. The account-id is retrieved by using a `"Read Account List"`; call. The account-id is the `"id"`; attribute of the account structure. Its value is constant at least throughout the lifecycle of a given consent.

resourceId (required)

Path Parameter – This identification is given by the attribute `resourceId` of the corresponding entry of a transaction list.

Request headers

Return type

[transactionDetails](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [transactionDetails](#)
400
Bad Request [Error400_NG_AIS](#)
401
Unauthorized [Error401_NG_AIS](#)
403
Forbidden [Error403_NG_AIS](#)
404
Not found [Error404_NG_AIS](#)
405
Method Not Allowed [Error405_NG_AIS](#)
406
Not Acceptable [Error406_NG_AIS](#)
408
Request Timeout
409
Conflict [Error409_NG_AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429_NG_AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/accounts/{account-id}/transactions

Up

Read transaction list of an account ([getTransactionList](#))

Read transaction reports or transaction lists of a given account dddressed by `"account-id"`; , depending on the steering parameter `"bookingStatus"`; together with balances.

For a given account, additional parameters are e.g. the attributes `"dateFrom"`; and `"dateTo"`; . The ASPSP might add balance information, if transaction lists without balances are not supported.

Path parameters

account-id (required)

Path Parameter – This identification is denoting the addressed account. The account-id is retrieved by using a `"Read Account List"`; call. The account-id is the `"id"`; attribute of the account structure. Its value is constant at least throughout the lifecycle of a given consent.

Request headers

Query parameters

dateFrom (optional)

Query Parameter –

Conditional: Starting date (inclusive the date `dateFrom`) of the transaction list, mandated if no delta access is required.

For booked transactions, the relevant date is the booking date.

For pending transactions, the relevant date is the entry date, which may not be transparent neither in this API nor other channels of the ASPSP.

format: date

dateTo (optional)

Query Parameter –

End date (inclusive the data dateTo) of the transaction list, default is "now"; if not given.

Might be ignored if a delta function is used.

For booked transactions, the relevant date is the booking date.

For pending transactions, the relevant date is the entry date, which may not be transparent neither in this API nor other channels of the ASPSP.

format: date

bookingStatus (required)

Query Parameter –

Permitted codes are

- "booked";
- "pending"; and
- "both"; "booked"; shall be supported by the ASPSP. To support the "pending"; and "both"; feature is optional for the ASPSP, Error code if not supported in the online banking frontend

withBalance (optional)

Query Parameter – If contained, this function reads the list of accessible payment accounts including the booking balance, if granted by the PSU in the related consent and available by the ASPSP. This parameter might be ignored by the ASPSP.

Return type

[transactionsResponse-200_json](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [transactionsResponse-200_json](#)
400
Bad Request [Error400_NG_AIS](#)
401
Unauthorized [Error401_NG_AIS](#)
403
Forbidden [Error403_NG_AIS](#)
404
Not found [Error404_NG_AIS](#)
405
Method Not Allowed [Error405_NG_AIS](#)
406
Not Acceptable [Error406_NG_AIS](#)
408
Request Timeout
409
Conflict [Error409_NG_AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429_NG_AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/accounts/{account-id}

Read Account Details (readAccountDetails)

Reads details about an account, with balances where required. It is assumed that a consent of the PSU to this access is already given and stored on the ASPSP system. The addressed details of this account depends then on the stored consent addressed by consentId.

Path parameters

account-id (required)

Path Parameter – This identification is denoting the addressed account. The account-id is retrieved by using a "Read Account List"; call. The account-id is the "id"; attribute of the account structure. Its value is constant at least throughout the lifecycle of a given consent.

Request headers

Query parameters

withBalance (optional)

Query Parameter – If contained, this function reads the list of accessible payment accounts including the booking balance, if granted by the PSU in the related consent and available by the ASPSP. This parameter might be ignored by the ASPSP.

Return type

[accountDetails](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [accountDetails](#)
400
Bad Request [Error400_NG_AIS](#)
401
Unauthorized [Error401_NG_AIS](#)
403

Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408
Request Timeout
409
Conflict [Error409 NG AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429 NG AIS](#)
500
Internal Server Error
503
Service Unavailable

CommonServices

GET /v1/consents/{consentId}/authorisations/{authorisationId} Up

Read the SCA status of the consent authorisation. ([getConsentScaStatus](#))

This method returns the SCA status of a consent initiation's authorisation sub-resource.

Path parameters

consentId (required)

Path Parameter – ID of the corresponding consent object as returned by an Account Information Consent Request.

authorisationId (required)

Path Parameter – Resource identification of the related SCA.

Request headers

Return type

[scaStatusResponse](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [scaStatusResponse](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG AIS](#)
403
Forbidden [Error403 NG AIS](#)
404
Not found [Error404 NG AIS](#)
405
Method Not Allowed [Error405 NG AIS](#)
406
Not Acceptable [Error406 NG AIS](#)
408
Request Timeout
409
Conflict [Error409 NG AIS](#)
415
Unsupported Media Type
429
Too Many Requests [Error429 NG AIS](#)
500
Internal Server Error
503
Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations/{cancellationId} Up

Read the SCA status of the payment cancellation's authorisation. ([getPaymentCancellationScaStatus](#))

This method returns the SCA status of a payment initiation's authorisation sub-resource.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

cancellationId (required)

Path Parameter – Identification for cancellation resource.

Request headers

Return type

[scaStatusResponse](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

- 200 OK [scaStatusResponse](#)
- 400 Bad Request [Error400_NG_PIS](#)
- 401 Unauthorized [Error401_NG_PIS](#)
- 403 Forbidden [Error403_NG_PIS](#)
- 404 Not found [Error404_NG_PIS](#)
- 405 Method Not Allowed [Error405_NG_PIS](#)
- 406 Not Acceptable
- 408 Request Timeout
- 409 Conflict [Error409_NG_PIS](#)
- 415 Unsupported Media Type
- 429 Too Many Requests
- 500 Internal Server Error
- 503 Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/authorisations

Get Payment Initiation Authorisation Sub-Resources Request (`getPaymentInitiationAuthorisation`)

Read a list of all authorisation subresources IDs which have been created.

This function returns an array of hyperlinks to all generated authorisation sub-resources.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

Request headers

Return type

[authorisations](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

- 200 OK [authorisations](#)
- 400 Bad Request [Error400_NG_PIS](#)
- 401 Unauthorized [Error401_NG_PIS](#)
- 403 Forbidden [Error403_NG_PIS](#)
- 404 Not found [Error404_NG_PIS](#)
- 405 Method Not Allowed [Error405_NG_PIS](#)
- 406 Not Acceptable
- 408 Request Timeout

409
Conflict [Error409 NG PIS](#)
415
Unsupported Media Type
429
Too Many Requests
500
Internal Server Error
503
Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/authorisations/{authorisationId}

Read the SCA Status of the payment authorisation (**getPaymentInitiationScaStatus**)

This method returns the SCA status of a payment initiation's authorisation sub-resource.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

authorisationId (required)

Path Parameter – Resource identification of the related SCA.

Request headers

Return type

[scaStatusResponse](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [scaStatusResponse](#)
400
Bad Request [Error400 NG PIS](#)
401
Unauthorized [Error401 NG PIS](#)
403
Forbidden [Error403 NG PIS](#)
404
Not found [Error404 NG PIS](#)
405
Method Not Allowed [Error405 NG PIS](#)
406
Not Acceptable
408
Request Timeout
409
Conflict [Error409 NG PIS](#)
415
Unsupported Media Type
429
Too Many Requests
500
Internal Server Error
503
Service Unavailable

ConfirmationOfFundsServicePIIS

POST /v1/funds-confirmations

Confirmation of Funds Request (**checkAvailabilityOfFunds**)

Creates a confirmation of funds request at the ASPSP. Checks whether a specific amount is available at point of time of the request on an account linked to a given tuple card issuer(TPP)/card number, or addressed by IBAN and TPP respectively

Request body

body [confirmationOfFunds](#) (required)

Body Parameter –

Request headers

Return type

[inline response 200](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [inline response 200](#)
400
Bad Request [Error400 NG AIS](#)
401
Unauthorized [Error401 NG PIIS](#)
403
Forbidden [Error403 NG PIIS](#)
404
Not found [Error404 NG PIIS](#)
405
Method Not Allowed [Error405 NG PIIS](#)
406
Not Acceptable
408
Request Timeout
409
Conflict [Error409 NG PIIS](#)
415
Unsupported Media Type
429
Too Many Requests
500
Internal Server Error
503
Service Unavailable

PaymentInitiationServicePIS

DELETE /v1/{payment-service}/{payment-product}/{paymentId}

Payment Cancellation Request (**cancelPayment**)

This method initiates the cancellation of a payment. Depending on the payment-service, the payment-product and the ASPSP's implementation, this TPP call might be sufficient to cancel a payment. If an authorisation of the payment cancellation is mandated by the ASPSP, a corresponding hyperlink will be contained in the response message.

Cancels the addressed payment with resource identification paymentId if applicable to the payment-service, payment-product and received in product related timelines (e.g. before end of business day for scheduled payments of the last business day before the scheduled execution day).

The response to this DELETE command will tell the TPP whether the

- access method was rejected
- access method was successful, or
- access method is generally applicable, but further authorisation processes are needed.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

Request headers

Return type

[paymentInitiationCancelResponse-202](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

202
Received [paymentInitiationCancelResponse-202](#)
204
No Content
400
Bad Request [Error400 NG PIS](#)
401
Unauthorized [Error401 NG PIS](#)
403
Forbidden [Error403 NG PIS](#)
404
Not found [Error404 NG PIS](#)
405
Method Not Allowed [Error405 NG PIS CANCEL](#)
406
Not Acceptable
408

Request Timeout
409
Conflict [Error409_NG_PIS](#)
415
Unsupported Media Type
429
Too Many Requests
500
Internal Server Error
503
Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations/{cancellationId}

Read the SCA status of the payment cancellation's authorisation. ([getPaymentCancellationScaStatus](#))

This method returns the SCA status of a payment initiation's authorisation sub-resource.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

cancellationId (required)

Path Parameter – Identification for cancellation resource.

Request headers

Return type

[scaStatusResponse](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [scaStatusResponse](#)
400
Bad Request [Error400_NG_PIS](#)
401
Unauthorized [Error401_NG_PIS](#)
403
Forbidden [Error403_NG_PIS](#)
404
Not found [Error404_NG_PIS](#)
405
Method Not Allowed [Error405_NG_PIS](#)
406
Not Acceptable
408
Request Timeout
409
Conflict [Error409_NG_PIS](#)
415
Unsupported Media Type
429
Too Many Requests
500
Internal Server Error
503
Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}

Get Payment Information ([getPaymentInformation](#))

Returns the content of a payment object

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

Request headers

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

- 200
- OK
- 400
- Bad Request [Error400_NG_PIS](#)
- 401
- Unauthorized [Error401_NG_PIS](#)
- 403
- Forbidden [Error403_NG_PIS](#)
- 404
- Not found [Error404_NG_PIS](#)
- 405
- Method Not Allowed [Error405_NG_PIS](#)
- 406
- Not Acceptable
- 408
- Request Timeout
- 409
- Conflict [Error409_NG_PIS](#)
- 415
- Unsupported Media Type
- 429
- Too Many Requests
- 500
- Internal Server Error
- 503
- Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/authorisations

Up

Get Payment Initiation Authorisation Sub-Resources Request (`getPaymentInitiationAuthorisation`)

Read a list of all authorisation subresources IDs which have been created.

This function returns an array of hyperlinks to all generated authorisation sub-resources.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

Request headers

Return type

[authorisations](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

- 200
- OK [authorisations](#)
- 400
- Bad Request [Error400_NG_PIS](#)
- 401
- Unauthorized [Error401_NG_PIS](#)
- 403
- Forbidden [Error403_NG_PIS](#)
- 404
- Not found [Error404_NG_PIS](#)
- 405
- Method Not Allowed [Error405_NG_PIS](#)
- 406

Not Acceptable
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Request Timeout
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415
Unsupported Media Type
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Too Many Requests
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Internal Server Error
503
Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/cancellation-authorisations



Will deliver an array of resource identifications to all generated cancellation authorisation sub-resources. ([getPaymentInitiationCancellationAuthorisationInformation](#))

Retrieve a list of all created cancellation authorisation sub-resources.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

Request headers

Return type

[cancellationList](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

200
OK [cancellationList](#)
400
Bad Request [Error400_NG_PIS](#)
401
Unauthorized [Error401_NG_PIS](#)
403
Forbidden [Error403_NG_PIS](#)
404
Not found [Error404_NG_PIS](#)
405
Method Not Allowed [Error405_NG_PIS](#)
406
Not Acceptable
408
Request Timeout
409
Conflict [Error409_NG_PIS](#)
415
Unsupported Media Type
429
Too Many Requests
500
Internal Server Error
503
Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/authorisations/{authorisationId}



Read the SCA Status of the payment authorisation ([getPaymentInitiationScaStatus](#))

This method returns the SCA status of a payment initiation's authorisation sub-resource.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

authorisationId (required)

Path Parameter – Resource identification of the related SCA.

Request headers

Return type

[scaStatusResponse](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

- 200 OK [scaStatusResponse](#)
- 400 Bad Request [Error400_NG_PIS](#)
- 401 Unauthorized [Error401_NG_PIS](#)
- 403 Forbidden [Error403_NG_PIS](#)
- 404 Not found [Error404_NG_PIS](#)
- 405 Method Not Allowed [Error405_NG_PIS](#)
- 406 Not Acceptable
- 408 Request Timeout
- 409 Conflict [Error409_NG_PIS](#)
- 415 Unsupported Media Type
- 429 Too Many Requests
- 500 Internal Server Error
- 503 Service Unavailable

GET /v1/{payment-service}/{payment-product}/{paymentId}/status



Payment initiation status request (`getPaymentInitiationStatus`)

Check the transaction status of a payment initiation.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

paymentId (required)

Path Parameter – Resource identification of the generated payment initiation resource.

Request headers

Return type

[paymentInitiationStatusResponse-200_json](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

- 200 OK [paymentInitiationStatusResponse-200_json](#)
- 400 Bad Request [Error400_NG_PIS](#)
- 401 Unauthorized [Error401_NG_PIS](#)
- 403 Forbidden [Error403_NG_PIS](#)
- 404 Not found [Error404_NG_PIS](#)

405
Method Not Allowed [Error405 NG PIS](#)
406
Not Acceptable
408
Request Timeout
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Conflict [Error409 NG PIS](#)
415
Unsupported Media Type
429
Too Many Requests
500
Internal Server Error
503
Service Unavailable

POST /v1/{payment-service}/{payment-product}

Up

Payment initiation request (`initiatePayment`)

This method is used to initiate a payment at the ASPSP.

Variants of Payment Initiation Requests

This method to initiate a payment initiation at the ASPSP can be sent with a JSON body.

There is the following **payment product**:

- Payment products with payment information in *JSON* format:
 - sepa-credit-transfers

Furthermore the request body depends on the **payment-service**

- payments: A single payment initiation request.
- periodic-payments (Consorsbank only): Create a standing order initiation resource for recurrent i.e. periodic payments addressable under {paymentId} with all data relevant for the corresponding payment product and the execution of the standing order contained in a JSON body.

This is the first step in the API to initiate the related recurring/periodic payment.

Path parameters

payment-service (required)

Path Parameter –

Payment service:

Possible values are:

- payments
- periodic-payments (Consorsbank only)

payment-product (required)

Path Parameter –

The addressed payment product endpoint, e.g. for SEPA Credit Transfers (SCT). The ASPSP will publish which of the payment products/endpoints will be supported.

The following payment product is supported:

- sepa-credit-transfers

Request body

body (required)

Body Parameter –

Request headers

Return type

[paymentInitiationRequestResponse-201](#)

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

201
CREATED [paymentInitiationRequestResponse-201](#)
400
Bad Request [Error400 NG PIS](#)
401
Unauthorized [Error401 NG PIS](#)
403
Forbidden [Error403 NG PIS](#)
404
Not found [Error404 NG PIS](#)
405
Method Not Allowed [Error405 NG PIS](#)
406
Not Acceptable
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Error400_AIS

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 400 for AIS.

type

[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode400_AIS](#)

additionalErrors (optional)

[array\[Error400_AIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[_linksAll](#)

Error400_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode400_AIS](#)

Error400_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 400.

tppMessages (optional)

[array\[tppMessage400_AIS\]](#)

_links (optional)

[_linksAll](#)

Error400_NG_PIIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 400.

tppMessages (optional)

[array\[tppMessage400_PIIS\]](#)

_links (optional)

[_linksAll](#)

Error400_NG_PIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 400.

tppMessages (optional)

[array\[tppMessage400_PIS\]](#)

_links (optional)

[_linksAll](#)

Error400_PIIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 400 for PIIS.

type

[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode400_PIIS](#)

additionalErrors (optional)

[array\[Error400_PIIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[_linksAll](#)

Error400_PIIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode400_PIIS](#)

Error400_PIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 400 for PIS.

type

[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode400_PIS](#)

additionalErrors (optional)

[array\[Error400_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[_linksAll](#)

Error400_PIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode400_PIS](#)

Error401_AIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 401 for AIS.

type

[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode401_AIS](#)

additionalErrors (optional)

[array\[Error401_AIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[_linksAll](#)

Error401_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode401_AIS](#)

Error401_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 401.

tppMessages (optional)

[array\[tppMessage401_AIS\]](#)

_links (optional)

[_linksAll](#)

Error401_NG_PIIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 401.

tppMessages (optional)

[array\[tppMessage401_PIIS\]](#)

_links (optional)

[_linksAll](#)

Error401_NG_PIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 401.

tpMessages (optional)
[array\[tpMessage401_PIS\]](#)
_links (optional)
[linksAll](#)

Error401_PIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 401 for PIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode401_PIS](#)

additionalErrors (optional)
[array\[Error401_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[linksAll](#)

Error401_PIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tpErrorTitle](#)

detail (optional)
[tpErrorDetail](#)

code (optional)
[MessageCode401_PIS](#)

Error401_PIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 401 for PIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode401_PIS](#)

additionalErrors (optional)
[array\[Error401_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[linksAll](#)

Error401_PIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tpErrorTitle](#)

detail (optional)
[tpErrorDetail](#)

code (optional)
[MessageCode401_PIS](#)

Error403_AIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 403 for AIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode403_AIS](#)

additionalErrors (optional)
[array\[Error403_AIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[_linksAll](#)

Error403_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode403_AIS](#)

Error403_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 403.

tppMessages (optional)
[array\[tppMessage403_AIS\]](#)

_links (optional)
[_linksAll](#)

Error403_NG_PIIIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 403.

tppMessages (optional)
[array\[tppMessage403_PIIIS\]](#)

_links (optional)
[_linksAll](#)

Error403_NG_PIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 403.

tppMessages (optional)
[array\[tppMessage403_PIS\]](#)

_links (optional)
[_linksAll](#)

Error403_PIIIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 403 for PIIIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode403_PIIIS](#)

additionalErrors (optional)
[array\[Error403_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[_linksAll](#)

Error403_PIIIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode403_PIIIS](#)

Error403_PIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 403 for PIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

String Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode403_PIS](#)

additionalErrors (optional)

[array\[Error403_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[linksAll](#)

Error403_PIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode403_PIS](#)

Error404_AIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 404 for AIS.

type

String A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

String Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

String Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode404_AIS](#)

additionalErrors (optional)

[array\[Error404_AIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[linksAll](#)

Error404_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode404_AIS](#)

Error404_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 404.

tppMessages (optional)

[array\[tppMessage404_AIS\]](#)

_links (optional)

[linksAll](#)

Error404_NG_PIIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 404.

tppMessages (optional)

[array\[tppMessage404_PIIS\]](#)

_links (optional)

[linksAll](#)

Error404_NG_PIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 404.

tppMessages (optional)

[array\[tppMessage404_PIS\]](#)

_links (optional)

[linksAll](#)

Error404_PIIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 404 for PIIS.

type

String A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode404_PIIIS](#)

additionalErrors (optional)

[array\[Error404_PIIIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[linksAll](#)

Error404_PIIIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode404_PIIIS](#)

Error404_PIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 404 for PIS.

type

[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode404_PIS](#)

additionalErrors (optional)

[array\[Error404_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[linksAll](#)

Error404_PIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)

[tppErrorTitle](#)

detail (optional)

[tppErrorDetail](#)

code (optional)

[MessageCode404_PIS](#)

Error405_AIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 405 for AIS.

type

[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)

[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)

[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code

[MessageCode405_AIS](#)

additionalErrors (optional)

[array\[Error405_AIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)

[linksAll](#)

Error405_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)
detail (optional)
[tppErrorDetail](#)
code (optional)
[MessageCode405_AIS](#)

Error405_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 401.

tppMessages (optional)
[array\[tppMessage405_AIS\]](#)
_links (optional)
[linksAll](#)

Error405_NG_PIIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 401.

tppMessages (optional)
[array\[tppMessage405_PIIS\]](#)
_links (optional)
[linksAll](#)

Error405_NG_PIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 401.

tppMessages (optional)
[array\[tppMessage405_PIS\]](#)
_links (optional)
[linksAll](#)

Error405_NG_PIS_CANC

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 401.

tppMessages (optional)
[array\[tppMessage405_PIS_CANC\]](#)
_links (optional)
[linksAll](#)

Error405_PIIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 405 for PIIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode405_PIIS](#)

additionalErrors (optional)
[array\[Error405_PIIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[linksAll](#)

Error405_PIIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)
detail (optional)
[tppErrorDetail](#)
code (optional)
[MessageCode405_PIIS](#)

Error405_PIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 405 for PIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode405_PIS](#)

additionalErrors (optional)
[array\[Error405_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[_linksAll](#)

Error405_PIS_CANC

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 405 for a parent cancelation (PIS).

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode405_PIS_CANC](#)

additionalErrors (optional)
[array\[Error405_PIS_CANC_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[_linksAll](#)

Error405_PIS_CANC_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode405_PIS_CANC](#)

Error405_PIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode405_PIS](#)

Error406_AIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 406 for AIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode406_AIS](#)

additionalErrors (optional)
[array\[Error406_AIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[_linksAll](#)

Error406_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode406_AIS](#)

Error406_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 406.

tpMessages (optional)
[array\[*tpMessage406_AIS*\]](#)
_links (optional)
[linksAll](#)

Error409_AIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 409 for AIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode409_AIS](#)

additionalErrors (optional)
[array\[*Error409_AIS_additionalErrors*\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[linksAll](#)

Error409_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tpErrorTitle](#)

detail (optional)
[tpErrorDetail](#)

code (optional)
[MessageCode409_AIS](#)

Error409_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 409.

tpMessages (optional)
[array\[*tpMessage409_AIS*\]](#)
_links (optional)
[linksAll](#)

Error409_NG_PIIIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 409.

tpMessages (optional)
[array\[*tpMessage409_PIIIS*\]](#)
_links (optional)
[linksAll](#)

Error409_NG_PIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 409.

tpMessages (optional)
[array\[*tpMessage409_PIS*\]](#)
_links (optional)
[linksAll](#)

Error409_PIIIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 409 for PIIIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode409_PIIIS](#)

additionalErrors (optional)
[array\[*Error409_PIIIS_additionalErrors*\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[linksAll](#)

Error409_PIIIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode409_PIIIS](#)

Error409_PIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 409 for PIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode409_PIS](#)

additionalErrors (optional)
[array\[Error409_PIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[_linksAll](#)

Error409_PIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode409_PIS](#)

Error429_AIS

[Up](#)

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 429 for AIS.

type
[String](#) A URI reference [RFC3986] that identifies the problem type. Remark For Future: These URI will be provided by NextGenPSD2 in future. format: uri

title (optional)
[String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional)
[String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

code
[MessageCode429_AIS](#)

additionalErrors (optional)
[array\[Error429_AIS_additionalErrors\]](#)

Array of Error Information Blocks.

Might be used if more than one error is to be communicated

_links (optional)
[_linksAll](#)

Error429_AIS_additionalErrors

[Up](#)

This is a data element to support the declaration of additional errors in the context of [RFC7807] in case of a HTTP error code 429 for.

title (optional)
[tppErrorTitle](#)

detail (optional)
[tppErrorDetail](#)

code (optional)
[MessageCode429_AIS](#)

Error429_NG_AIS

[Up](#)

NextGenPSD2 specific definition of reporting error information in case of a HTTP error code 429.

tppMessages (optional)
[array\[tppMessage429_AIS\]](#)

_links (optional)
[_linksAll](#)

MessageCode2XX

[Up](#)

Message codes for HTTP Error codes 2XX.

MessageCode400_AIS	Up
Message codes defined for AIS for HTTP Error code 400 (BAD_REQUEST).	
MessageCode400_PIIS	Up
Message codes defined for PIIS for HTTP Error code 400 (BAD_REQUEST).	
MessageCode400_PIS	Up
Message codes defined for PIS for HTTP Error code 400 (BAD_REQUEST).	
MessageCode401_AIS	Up
Message codes defined for AIS for HTTP Error code 401 (UNAUTHORIZED).	
MessageCode401_PIIS	Up
Message codes defined for PIIS for HTTP Error code 401 (UNAUTHORIZED).	
MessageCode401_PIS	Up
Message codes defined for PIS for HTTP Error code 401 (UNAUTHORIZED).	
MessageCode403_AIS	Up
Message codes defined for AIS for HTTP Error code 403 (FORBIDDEN).	
MessageCode403_PIIS	Up
Message codes defined for PIIS for HTTP Error code 403 (FORBIDDEN).	
MessageCode403_PIS	Up
Message codes defined defined for PIS for PIS for HTTP Error code 403 (FORBIDDEN).	
MessageCode404_AIS	Up
Message codes defined for AIS for HTTP Error code 404 (NOT FOUND).	
MessageCode404_PIIS	Up
Message codes defined for PIIS for HTTP Error code 404 (NOT FOUND).	
MessageCode404_PIS	Up
Message codes defined for PIS for HTTP Error code 404 (NOT FOUND).	
MessageCode405_AIS	Up
Message codes defined for AIS for HTTP Error code 405 (METHOD NOT ALLOWED).	
MessageCode405_PIIS	Up
Message codes defined for PIIS for HTTP Error code 405 (METHOD NOT ALLOWED).	
MessageCode405_PIS	Up
Message codes defined for payment cancelations PIS for HTTP Error code 405 (METHOD NOT ALLOWED).	
MessageCode405_PIS_CANC	Up
Message codes defined for payment cancelations PIS for HTTP Error code 405 (METHOD NOT ALLOWED).	
MessageCode406_AIS	Up
Message codes defined for AIS for HTTP Error code 406 (NOT ACCEPTABLE).	
MessageCode409_AIS	Up
Message codes defined for AIS for HTTP Error code 409 (CONFLICT).	
MessageCode409_PIIS	Up
Message codes defined for PIIS for HTTP Error code 409 (CONFLICT).	
MessageCode409_PIS	Up
Message codes defined for PIS for HTTP Error code 409 (CONFLICT).	
MessageCode429_AIS	Up
Message codes for HTTP Error code 429 (TOO MANY REQUESTS).	
_linksAccountDetails	Up
Links to the account, which can be directly used for retrieving account information from this dedicated account.	
Links to "balances" and/or "transactions"	

These links are only supported, when the corresponding consent has been already granted.

[balances](#) (optional)
[href/Type](#)
[transactions](#) (optional)
[href/Type](#)

_linksAccountReport

[Up](#)

[account](#)
[href/Type](#)
[first](#) (optional)
[href/Type](#)
[next](#) (optional)
[href/Type](#)
[previous](#) (optional)
[href/Type](#)
[last](#) (optional)
[href/Type](#)

_linksAll

[Up](#)

A _link object with all available link types

[scaRedirect](#) (optional)
[href/Type](#)
[startAuthorisation](#) (optional)
[href/Type](#)
[authoriseTransaction](#) (optional)
[href/Type](#)
[self](#) (optional)
[href/Type](#)
[status](#) (optional)
[href/Type](#)
[scaStatus](#) (optional)
[href/Type](#)
[account](#) (optional)
[href/Type](#)
[balances](#) (optional)
[href/Type](#)
[transactions](#) (optional)
[href/Type](#)
[transactionDetails](#) (optional)
[href/Type](#)
[first](#) (optional)
[href/Type](#)
[next](#) (optional)
[href/Type](#)
[previous](#) (optional)
[href/Type](#)
[last](#) (optional)
[href/Type](#)
[download](#) (optional)
[href/Type](#)

_linksConsents

[Up](#)

A list of hyperlinks to be recognised by the TPP.

Type of links admitted in this response (which might be extended by single ASPSPs as indicated in its XS2A documentation):

- 'scaRedirect': In case of an SCA Redirect Approach, the ASPSP is transmitting the link to which to redirect the PSU browser.
- 'self': The link to the Establish Account Information Consent resource created by this request. This link can be used to retrieve the resource data.
- 'status': The link to retrieve the status of the account information consent.
- 'scaStatus': The link to retrieve the scaStatus of the corresponding authorisation sub-resource. This link is only contained, if an authorisation sub-resource has been already created.

[scaRedirect](#) (optional)
[href/Type](#)
[self](#) (optional)
[href/Type](#)
[status](#) (optional)
[href/Type](#)
[scaStatus](#) (optional)
[href/Type](#)

_linksDownload

[Up](#)

A list of hyperlinks to be recognised by the TPP.

Type of links admitted in this response:

- "download": a link to a resource, where the transaction report might be downloaded from in case where transaction reports have a huge size.

Remark: This feature shall only be used where camt-data is requested which has a huge size.

[download](#)
[href/Type](#)

_linksPaymentInitiation

[Up](#)

A list of hyperlinks to be recognised by the TPP. The actual hyperlinks used in the response depend on the dynamical decisions of the ASPSP when processing the request.

Remark: All links can be relative or full links, to be decided by the ASPSP.

Type of links admitted in this response:

- 'scaRedirect': In case of an SCA Redirect Approach, the ASPSP is transmitting the link to which to redirect the PSU browser.
- 'self': The link to the payment initiation resource created by this request. This link can be used to retrieve the resource data.
- 'status': The link to retrieve the transaction status of the payment initiation.
- 'scaStatus': The link to retrieve the scaStatus of the corresponding authorisation sub-resource. This link is only contained, if an authorisation sub-resource has been already created.

scaRedirect (optional)

[href/Type](#)

self (optional)

[href/Type](#)

status (optional)

[href/Type](#)

scaStatus (optional)

[href/Type](#)

_linksPaymentInitiationCancel

[Up](#)

A list of hyperlinks to be recognised by the TPP. The actual hyperlinks used in the response depend on the dynamical decisions of the ASPSP when processing the request.

Remark: All links can be relative or full links, to be decided by the ASPSP.

Type of links admitted in this response, (further links might be added for ASPSP defined extensions):

- 'startAuthorisation': In case, where just the authorisation process of the cancellation needs to be started, but no additional data needs to be updated for time being (no authentication method to be selected, no PSU identification nor PSU authentication data to be uploaded).

startAuthorisation (optional)

[href/Type](#)

_linksStartScaProcess

[Up](#)

A list of hyperlinks to be recognised by the TPP. The actual hyperlinks used in the response depend on the dynamical decisions of the ASPSP when processing the request.

Remark: All links can be relative or full links, to be decided by the ASPSP.

Type of links admitted in this response, (further links might be added for ASPSP defined extensions):

- 'scaRedirect': In case of an SCA Redirect Approach, the ASPSP is transmitting the link to which to redirect the PSU browser.
- 'scaStatus': The link to retrieve the scaStatus of the corresponding authorisation sub-resource.

scaRedirect (optional)

[href/Type](#)

scaStatus (optional)

[href/Type](#)

_linksTransactionDetails

[Up](#)

transactionDetails

[href/Type](#)

accountAccess

[Up](#)

Requested access services for a consent.

accounts (optional)

[array\[accountReference\]](#)

Is asking for detailed account information.

If the array is empty, the TPP is asking for an accessible account list. This may be restricted in a PSU/ASPSP authorization dialogue. If the array is empty, also the arrays for balances or transactions shall be empty, if used.

balances (optional)

[array\[accountReference\]](#)

Is asking for balances of the addressed accounts.

If the array is empty, the TPP is asking for the balances of all accessible account lists. This may be restricted in a PSU/ASPSP authorization dialogue. If the array is empty, also the arrays for accounts or transactions shall be empty, if used.

transactions (optional)

[array\[accountReference\]](#)

Is asking for transactions of the addressed accounts.

If the array is empty, the TPP is asking for the transactions of all accessible account lists. This may be restricted in a PSU/ASPSP authorization dialogue. If the array is empty, also the arrays for accounts or balances shall be empty, if used.

accountDetails

[Up](#)

\$TODO_Check\$ The ASPSP shall give at least one of the account reference identifiers:

- iban

resourceId (optional)

[String](#) This shall be filled, if addressable resource are created by the ASPSP on the /accounts endpoint.

iban (optional)

[iban](#)

currency

[currencyCode](#)

name (optional)

[String](#) Name of the account given by the bank or the PSU in online-banking.

product (optional)

[String](#) Product name of the bank for this account, proprietary definition.

cashAccountType (optional)

[cashAccountType](#)

status (optional)

[accountStatus](#)

bic (optional)

[bicfi](#)

linkedAccounts (optional)

[String](#) Case of a set of pending card transactions, the APSP will provide the relevant cash account the card is set up on.

usage (optional)

[String](#)

Specifies the usage of the account

- PRIV: private personal account
- ORGA: professional account

Enum:

PRIV
ORGA

details (optional)

[String](#)

Specifications that might be provided by the ASPSP

- characteristics of the account
- characteristics of the relevant card

balances (optional)

[balanceList](#)

_links (optional)

[linksAccountDetails](#)

accountId

This identification is denoting the addressed account, where the transaction has been performed.

[Up](#)

accountList

List of accounts with details.

accounts

[array\[accountDetails\]](#)

[Up](#)

accountReference

Reference to an account by

- IBAN, of a payment accounts.

iban (optional)

[iban](#)

currency (optional)

[currencyCode](#)

[Up](#)

accountReport

JSON based account report. This account report contains transactions resulting from the query parameters.

'booked' shall be contained if bookingStatus parameter is set to 'booked' or 'both';.

'pending' is not contained if the bookingStatus parameter is set to 'booked';.

booked (optional)

[transactionList](#)

pending (optional)

[transactionList](#)

_links

[linksAccountReport](#)

[Up](#)

accountStatus

\$TODO_Check\$ Account status. The value is one of the following:

- 'enabled': account is available
- 'deleted': account is terminated
- 'blocked': account is blocked e.g. for legal reasons If this field is not used, than the account is available in the sense of this specification.

[Up](#)

address**street (optional)**

[String](#)

buildingNumber (optional)

[String](#)

city (optional)

[String](#)

postalCode (optional)

[String](#)

country

[Up](#)

[countryCode](#)

amount

[Up](#)

currency
[currencyCode](#)
amount
[amountValue](#)

amountValue

[Up](#)

The amount given with fractional digits, where fractions must be compliant to the currency definition. Up to 14 significant figures. Negative amounts are signed by minus. The decimal separator is a dot.

Example: Valid representations for EUR with up to two decimals are:

- 1056
- 5768.2
- -1.50
- 5877.78

authenticationMethodId

[Up](#)

An identification provided by the ASPSP for the later identification of the authentication method selection.

authorisationId

[Up](#)

Resource identification of the related SCA

authorisations

[Up](#)

An array of all authorisationIds

authorisationIds
[authorisationsList](#)

authorisationsList

[Up](#)

An array of all authorisationIds

balance

[Up](#)

A single balance element

balanceAmount
[amount](#)

balanceType
[balanceType](#)

lastChangeDateTime (optional)

[Date](#) This data element might be used to indicate e.g. with the expected or booked balance that no action is known on the account, which is not yet booked. format: date-time

referenceDate (optional)

[date](#) Reference date of the balance format: date

lastCommittedTransaction (optional)

[String](#) "entryReference"; of the last committed transaction to support the TPP in identifying whether all PSU transactions are already known.

balanceList

[Up](#)

A list of balances regarding this account, e.g. the current balance, the last booked balance. The list might be restricted to the current balance.

balanceType

[Up](#)

The following balance types are defined:

- "closingBooked": Balance of the account at the end of the pre-agreed account reporting period. It is the sum of the opening booked balance at the beginning of the period and all entries booked to the account during the pre-agreed account reporting period.
- "interimAvailable": [Consorsbank only]: Available balance calculated in the course of the account "server"s business day, at the time specified, and subject to further changes during the business day. The interim balance is calculated on the basis of booked credit and debit items during the calculation time/period specified.

bicfi

[Up](#)

BICFI

bookingDate

[Up](#)

The Date when an entry is posted to an account on the ASPSPs books.

cancellationId

[Up](#)

Identification for cancellation resource

cancellationList

[Up](#)

An array of all cancellationIds connected to this resource.

cashAccountType

[Up](#)

ExternalCashAccountType1Code from ISO 20022.

confirmationOfFunds

[Up](#)

JSON Request body for the "Confirmation of Funds Service"

cardNumber	String	Optional	Card Number of the card issued by the PIISP. Should be delivered if available.
account	Account Reference	Mandatory	PSU's account number.
payee	Max70Text	Optional	The merchant where the card is accepted as an information to the PSU.
instructedAmount	Amount	Mandatory	Transaction amount to be checked within the funds check mechanism.

cardNumber (optional)

String Card Number of the card issued by the PIISP. Should be delivered if available.

account

accountReference

payee (optional)

String Name payee

instructedAmount

amount

consentId

ID of the corresponding consent object as returned by an Account Information Consent Request.

[Up](#)

consentInformationResponse-200_json

Body of the JSON response for a successful get consent request.

[Up](#)

access

accountAccess

recurringIndicator

recurringIndicator

validUntil

validUntil

frequencyPerDay

frequencyPerDay

lastActionDate

lastActionDate

consentStatus

consentStatus

consentStatus

This is the overall lifecycle status of the consent.

[Up](#)

Valid values are:

- 'received': The consent data have been received and are technically correct. The data is not authorised yet.
- 'rejected': The consent data have been rejected e.g. since no successful authorisation has taken place.
- 'valid': The consent is accepted and valid for GET account data calls and others as specified in the consent object.
- 'revokedByPsu': The consent has been revoked by the PSU towards the ASPSP.
- 'expired': The consent expired.
- 'terminatedByTpp': The corresponding TPP has terminated the consent by applying the DELETE method to the consent resource.

consentStatusResponse-200

Body of the JSON response for a successful get status request for a consent.

[Up](#)

consentStatus

consentStatus

consents

Content of the body of a consent request.

[Up](#)

access

accountAccess

recurringIndicator

recurringIndicator

validUntil

validUntil

frequencyPerDay

frequencyPerDay

consentsResponse-201

Body of the JSON response for a successful consent request.

[Up](#)

consentStatus

consentStatus

consentId

consentId

_links

linksConsents

message (optional)

String Text to be displayed to the PSU, e.g. in a Decoupled SCA Approach.

countryCode

ISO 3166 ALPHA2 country code

[Up](#)

creditorAgentName

Creditor Agent Name

[Up](#)

creditorName

[Up](#)

Creditor Name	
creditorNameAndAddress	Up
Creditor Name and Address in a free text field	
currencyCode	Up
ISO 4217 Alpha 3 currency code	
dayOfExecution	Up
\$TODO_Check for Consorsbank\$ (This attribute is for Consorsbank only) Day of execution as string. This string consists of up two characters. Leading zeroes are not allowed. 31 is ultimo of the month.	
debtorId	Up
Debtor Id	
debtorName	Up
Debtor Name	
endDate	Up
The last applicable day of execution If not given, it is an infinite standing order.	
entryReference	Up
\$TODO_Delete?\$ Is the identification of the transaction as used e.g. for reference for delta function on application level.	
executionRule	Up
\$TODO_Check for Consorsbank\$ (This attribute is for Consorsbank only) "following" or "preceding" supported as values. This data attribute defines the behaviour when recurring payment dates falls on a weekend or bank holiday. The payment is then executed either the "preceding" or "following" working day. ASPSP might reject the request due to the communicated value, if rules in Online-Banking are not supporting this execution rule.	
frequencyCode	Up
\$TODO_Check for Consorsbank\$ (This attribute is for Consorsbank only) The following codes from the "EventFrequency7Code" of ISO 20022 are supported. <ul style="list-style-type: none"> • &quot;Daily&quot;; • &quot;Weekly&quot;; • &quot;EveryTwoWeeks&quot;; • &quot;Monthly&quot;; • &quot;EveryTwoMonths&quot;; • &quot;Quarterly&quot;; • &quot;SemiAnnual&quot;; • &quot;Annual&quot;; 	
frequencyPerDay	Up
This field indicates the requested maximum frequency for an access without PSU involvement per day. For a one-off access, this attribute is set to "1";. The frequency needs to be greater equal to one.	
hrefEntry	Up
Link to a resource	
hrefType	Up
Link to a resource href (optional) hrefEntry .	
iban	Up
IBAN of an account	
inline_response_200	Up
Equals "true" if sufficient funds are available at the time of the request, "false" otherwise. fundsAvailable (optional) Boolean	
lastActionDate	Up
This date is containing the date of the last action on the consent object either through the XS2A interface or the PSU/ASPSP interface having an impact on the status.	
merchantCategoryCode	Up
\$TODO_ANDI?\$ Merchant category code	
paymentId	Up
Resource identification of the generated payment initiation resource.	

paymentInitiationRequestResponse-201

[Up](#)

Body of the response for a successful payment initiation request.

transactionStatus
[transactionStatus](#)
paymentId
[paymentId](#)
_links
[linksPaymentInitiation](#)
tppMessages (optional)
[array\[tppMessage2XX\]](#)

paymentInitiationCancelResponse-202

[Up](#)

Body of the response for a successful cancel payment request.

transactionStatus
[transactionStatus](#)
_links (optional)
[linksPaymentInitiationCancel](#)

paymentInitiationStatusResponse-200_json

[Up](#)

Body of the response for a successful payment initiation status request in case of an JSON based endpoint.

transactionStatus
[transactionStatus](#)

paymentInitiationWithStatusResponse

[Up](#)

JSON response body consisting of the corresponding payment initiation JSON body together with an optional transaction status field.

debtorAccount
[accountReference](#)
instructedAmount
[amount](#)
creditorAccount
[accountReference](#)
creditorName
[creditorName](#)
remittanceInformationUnstructured (optional)
[remittanceInformationUnstructured](#)
requestedExecutionDate (optional)
[date](#) format: date
transactionStatus (optional)
[transactionStatus](#)

paymentInitiation_json

[Up](#)

Generic Body for a payment initiation via JSON.

This generic JSON body can be used to represent valid payment initiations for the following JSON based payment product, which where defined in the Implementation Guidelines:

- sepa-credit-transfers

debtorAccount
[accountReference](#)
instructedAmount
[amount](#)
creditorAccount
[accountReference](#)
creditorName
[creditorName](#)
remittanceInformationUnstructured (optional)
[remittanceInformationUnstructured](#)
requestedExecutionDate (optional)
[date](#) format: date

periodicPaymentInitiationWithStatusResponse

[Up](#)

(Conorsbank only) JSON response body consisting of the corresponding periodic payment initiation JSON body together with an optional transaction status field.

debtorAccount
[accountReference](#)
instructedAmount
[amount](#)
creditorAccount
[accountReference](#)
creditorName
[creditorName](#)
remittanceInformationUnstructured (optional)
[remittanceInformationUnstructured](#)
startDate
[startDate](#)
endDate (optional)
[endDate](#)
executionRule
[executionRule](#)
frequency
[frequencyCode](#)
dayOfExecution

[dayOfExecution](#)

transactionStatus (optional)
[transactionStatus](#)

periodicPaymentInitiation_json

[Up](#)

(Conorsbank only) Generic Body for a periodic payment initiation via JSON.

This generic JSON body can be used to represent valid periodic payment initiations for the following JSON based payment product, which where defined in the Implementation Guidelines:

- sepa-credit-transfers

debtorAccount

[accountReference](#)

instructedAmount

[amount](#)

creditorAccount

[accountReference](#)

remittanceInformationUnstructured (optional)

[remittanceInformationUnstructured](#)

startDate

[startDate](#)

endDate (optional)

[endDate](#)

executionRule

[executionRule](#)

frequency

[frequencyCode](#)

dayOfExecution

[dayOfExecution](#)

proprietaryBankTransactionCode

[Up](#)

Proprietary bank transaction code as used within a community or within an ASPSP e.g. for MT94x based transaction reports.

psuData

[Up](#)

\$TODO_Delete? PSU Data for Update PSU Authentication.

password

[String](#) Password

purposeCode

[Up](#)

\$TODO_TBDS ExternalPurpose1Code from ISO 20022.

Values from ISO 20022 External Code List ExternalCodeSets_1Q2018 June 2018.

readAccountBalanceResponse-200

[Up](#)

Body of the response for a successful read balance for an account request.

account (optional)

[accountReference](#)

balances

[balanceList](#)

recurringIndicator

[Up](#)

"true"; if the consent is for recurring access to the account data.

"false"; if the consent is for one access to the account data.

remittanceInformationStructured

[Up](#)

\$TODO_Delete? Structured remittance information

reference

[String](#)

referenceType (optional)

[String](#)

referenceIssuer (optional)

[String](#)

remittanceInformationUnstructured

[Up](#)

Unstructured remittance information

remittanceInformationUnstructuredArray

[Up](#)

\$TODO_Delete? Array of unstructured remittance information

resourceId

[Up](#)

This identification is given by the attribute resourcelid of the corresponding entry of a transaction list.

scaStatus

[Up](#)

This data element is containing information about the status of the SCA method applied.

The following codes are defined for this data type.

- 'received': An authorisation or cancellation-authorisation resource has been created successfully.
- 'finalised': The SCA routine has been finalised successfully.
- 'failed': The SCA routine failed

scaStatusResponse

[Up](#)

Body of the JSON response with SCA Status

scaStatus (optional)
[scaStatus](#)

startDate

[Up](#)

The first applicable day of execution starting from this date is the first payment.

tppErrorDetail

[Up](#)

Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

tppErrorTitle

[Up](#)

Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

tppMessage2XX

[Up](#)

category
[tppMessageCategory](#)
code
[MessageCode2XX](#)
path (optional)
[String](#)
text (optional)
[tppMessageText](#)

tppMessage400_AIS

[Up](#)

category
[tppMessageCategory](#)
code
[MessageCode400_AIS](#)
path (optional)
[String](#)
text (optional)
[tppMessageText](#)

tppMessage400_PIIS

[Up](#)

category
[tppMessageCategory](#)
code
[MessageCode400_PIIS](#)
path (optional)
[String](#)
text (optional)
[tppMessageText](#)

tppMessage400_PIS

[Up](#)

category
[tppMessageCategory](#)
code
[MessageCode400_PIS](#)
path (optional)
[String](#)
text (optional)
[tppMessageText](#)

tppMessage401_AIS

[Up](#)

category
[tppMessageCategory](#)
code
[MessageCode401_AIS](#)
path (optional)
[String](#)
text (optional)
[tppMessageText](#)

tppMessage401_PIIS

[Up](#)

category
[tppMessageCategory](#)
code
[MessageCode401_PIIS](#)
path (optional)

[String](#)

text (optional)
[tpMessageText](#)

tpMessage401_PIS

[Up](#)

category
[tpMessageCategory](#)
code
[MessageCode401_PIS](#)
path (optional)
[String](#)
text (optional)
[tpMessageText](#)

tpMessage403_AIS

[Up](#)

category
[tpMessageCategory](#)
code
[MessageCode403_AIS](#)
path (optional)
[String](#)
text (optional)
[tpMessageText](#)

tpMessage403_PIIS

[Up](#)

category
[tpMessageCategory](#)
code
[MessageCode403_PIIS](#)
path (optional)
[String](#)
text (optional)
[tpMessageText](#)

tpMessage403_PIS

[Up](#)

category
[tpMessageCategory](#)
code
[MessageCode403_PIS](#)
path (optional)
[String](#)
text (optional)
[tpMessageText](#)

tpMessage404_AIS

[Up](#)

category
[tpMessageCategory](#)
code
[MessageCode404_AIS](#)
path (optional)
[String](#)
text (optional)
[tpMessageText](#)

tpMessage404_PIIS

[Up](#)

category
[tpMessageCategory](#)
code
[MessageCode404_PIIS](#)
path (optional)
[String](#)
text (optional)
[tpMessageText](#)

tpMessage404_PIS

[Up](#)

category
[tpMessageCategory](#)
code
[MessageCode404_PIS](#)
path (optional)
[String](#)
text (optional)
[tpMessageText](#)

tpMessage405_AIS

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode405_AIS*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage405_PIIS

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode405_PIIS*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage405_PIS

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode405_PIS*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage405_PIS_CANC

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode405_PIS_CANC*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage406_AIS

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode406_AIS*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage409_AIS

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode409_AIS*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage409_PIIS

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode409_PIIS*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage409_PIS

[Up](#)

category

[*tppMessageCategory*](#)

code

[*MessageCode409_PIS*](#)

path (optional)

[*String*](#)

text (optional)

[*tppMessageText*](#)

tppMessage429_AIS

[Up](#)

category
[tppMessageCategory](#)
code
[MessageCode429_AIS](#)
path (optional)
[String](#)
text (optional)
[tppMessageText](#)

tppMessageCategory

[Up](#)

Category of the TPP message category

tppMessageText

[Up](#)

Additional explaining text to the TPP.

transactionDate

[Up](#)

Date of the actual card transaction

transactionDetails

[Up](#)

§TODO_Update§ Transaction details

transactionId (optional)
[String](#) the Transaction Id can be used as access-ID in the API, where more details on an transaction is offered. If this data attribute is provided this shows that the AIS can get access on more details about this transaction using the GET Transaction Details Request

entryReference (optional)
[String](#) Is the identification of the transaction as used e.g. for reference for deltafunction on application level. The same identification as for example used within camt.05x messages.

endToEndId (optional)
[String](#) Unique end to end identity.

mandateId (optional)
[String](#) Identification of Mandates, e.g. a SEPA Mandate ID.

checkId (optional)
[String](#) Identification of a Cheque.

creditorId (optional)
[String](#) Identification of Creditors, e.g. a SEPA Creditor ID.

bookingDate (optional)
[bookingDate](#)

valueDate (optional)
[date](#) The Date at which assets become available to the account owner in case of a credit. format: date

transactionAmount
[amount](#)

creditorName (optional)
[creditorName](#)

creditorAccount (optional)
[accountReference](#)

ultimateCreditor (optional)
[ultimateCreditor](#)

debtorName (optional)
[debtorName](#)

debtorAccount (optional)
[accountReference](#)

ultimateDebtor (optional)
[ultimateDebtor](#)

remittanceInformationUnstructured (optional)
[remittanceInformationUnstructured](#)

remittanceInformationStructured (optional)
[String](#)

Reference as contained in the structured remittance reference structure (without the surrounding XML structure).

Different from other places the content is containt in plain form not in form of a structured field.

additionalInformation (optional)
[String](#) Might be used by the ASPSP to transport additional transaction related information to the PSU.

purposeCode (optional)
[purposeCode](#)

proprietaryBankTransactionCode (optional)
[proprietaryBankTransactionCode](#)

_links (optional)
[linksTransactionDetails](#)

transactionList

[Up](#)

Array of transaction details

transactionStatus

[Up](#)

The transaction status is filled with codes of the ISO 20022 data table:

- 'ACSC': 'AcceptedSettlementCompleted' - Settlement on the debtor's account has been completed.
Usage: this can be used by the first agent to report to the debtor that the transaction has been completed.

Warning: this status is provided for transaction status reasons, not for financial information. It can only be used after bilateral agreement.

- 'ACTC': 'AcceptedTechnicalValidation' - Authentication and syntactical and semantical validation are successful.
- 'RCVD': 'Received' - Payment initiation has been received by the receiving agent.
- 'RJCT': 'Rejected' - Payment initiation or individual transaction included in the payment initiation has been rejected.
- 'CANC': 'Cancelled' Payment initiation has been cancelled before execution Remark: This code is accepted as new code by ISO20022.

transactionsResponse-200_json

[Up](#)

Body of the JSON response for a successful read transaction list request. This account report contains transactions resulting from the query parameters.

account (optional)

[accountReference](#)

transactions (optional)

[accountReport](#)

balances (optional)

[balanceList](#)

_links (optional)

[linksDownload](#)

ultimateCreditor

[Up](#)

Ultimate Creditor

ultimateDebtor

[Up](#)

Ultimate Debtor

validUntil

[Up](#)

This parameter is requesting a valid until date for the requested consent. The content is the local ASPSP date in ISO-Date Format, e.g. 2017-10-30.

Future dates might get adjusted by ASPSP.

If a maximal available date is requested, a date in far future is to be used: "9999-12-31".

In both cases the consent object to be retrieved by the GET Consent Request will contain the adjusted date.