

PIS API

PSD2 interface PIS ASN Bank

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Colophon

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Version

Version	Date	Changes
1.0	2019-04-04	Final version
1.1	2019-07-05	<ul style="list-style-type: none"> - Added the <i>Get Transaction Status Request</i> endpoint; - Updated request and response objects and headers (4).
1.2	2019-08-02	<ul style="list-style-type: none"> - Added error information.
1.3	2019-09-12	<ul style="list-style-type: none"> - Added information about Android problem in 2.4; - Updated path parameters for refresh token call.
1.4	2019-11-21	<ul style="list-style-type: none"> - Added information about agended payments; - Added information about the <i>Cancel Payments</i> endpoint; - Updated response headers payment initiation call.
1.5	2020-01-27	<ul style="list-style-type: none"> - Changed authorization for the <i>Get Payment Status</i> endpoint and added information about the meaning of several payment statuses.
1.6	2020-04-29	<ul style="list-style-type: none"> - Updated certificates paragraph.
1.7	2020-07-14	<ul style="list-style-type: none"> - Added the <i>Get Payment</i> endpoint; - Added <i>Initiate Payment</i> validations; - Added missing error messages; - Removed unnecessary redirect uri paragraph; - Changed redirect uri in example response to new redirect uri.
1.8	2020-07-14	<ul style="list-style-type: none"> - Added the <i>periodic payment</i> payment service; - Added the <i>Get Payment</i> endpoint for periodic payment.
1.9	2021-06-08	<ul style="list-style-type: none"> - Added v1.1 of the <i>Get Payment Status</i> endpoints for one-time direct, one-time agended and deferred payments.
1.10	2021-10-20	<ul style="list-style-type: none"> - Added <i>Initiate Bulk Payment</i> and <i>Get Bulk Status</i> endpoints; - Combined descriptions of <i>Get Payment Status v1.1</i> into one paragraph; - Updated error information.
1.11	2022-01-20	<ul style="list-style-type: none"> - Added <i>Get Recurring Payment Status</i> v1.1.
1.12	2022-02-28	<ul style="list-style-type: none"> - Added <i>Cancel Bulk Payment</i>.
1.13	2022-03-30	<ul style="list-style-type: none"> - Deleted v1.0 of the <i>Get Payment Status</i> endpoints for one-time direct, one-time agended, deferred and recurring payments. - Updated support of bulk payments with debit postings for each individual payment within a batch (i.e. 'batch booking parameter = false').

		- Added withdrawal of future dated batches by the PSU.
1.14	2022-05-05	- Add error code for unknown payment id.
1.15	2023-04-20	- Add endToEndIdentification and remittanceInformationUnstructured to getPayment response body. - Update datatypes for X-Request-ID.
1.16	2023-09-28	- Added SEPA Direct Debit services.
1.17	2024-03-07	- Added v2 payment services. - Updated section 2.1 (conditions for using the PIS APIs) for v2 payment services. - Renamed payment types to better resemble Berlin Group terminology: <ul style="list-style-type: none"> one-time direct payments has been renamed to one-off payments; one-time agended payments has been renamed to future dated payments; deferred payments has been renamed to one-off deferred payments; recurring payments has been renamed to fixed amount recurring payments. - Removed port 10443 for authorize endpoint. - Added note to include specific XML fields in the SEPA Direct Debit initiation XML for a successful SCA redirect flow.
1.18	2024-03-17	- Updated descriptions and links for XMLs and XSDs for bulk payment and SEPA Direct Debit descriptions due to the SEPA Rulebook Change.
1.19	2025-01-27	- Removed documentation for deprecated v1 endpoints.
1.20	2025-04-24	- Added information for transaction status notifications. - Updated format of tables and added Appendix 1 Data Dictionary as reference.
1.21	2025-07-01	- Removed conditions describing that SDD and bulk are only applicable for SNS Bank and Regiobank in paragraph 2.1, to reflect the inclusion of ASN business accounts from July 2025 onwards. - Extended endpoints for SEPA Direct Debit and bulk SCT payment services with the option for asnbank. - Rebranded de Volksbank NV to ASN Bank NV.

References

Version	Date	Description	Author	Reference
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		OAuth 2.0 Servers	Aaron Parecki	
	2014-07-21	An Introduction to OAuth 2	Mitchell Anicas	
	2015-07-03	OAuth 2.0 Token Introspection	J. Richer, Ed.	RFC 7662

1.1	2009-12-18	Sepa Requirements For An Extended Character Set	European Payments Council (EPC)	EPC217-08
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TABLE OF CONTENTS

1	INTRODUCTION	9
2	PAYMENT INITIATION SERVICES OFFERED BY ASN BANK.....	10
2.1	CONDITIONS ON THE USE OF ASN BANK'S PAYMENT INITIATION SERVICES	10
2.2	CHARACTER SET.....	14
2.3	DATA TYPES.....	14
2.4	URLS	14
3	ACCESS	16
3.1	CERTIFICATES.....	16
3.2	AUTHENTICATION BY OAuth2.....	16
3.3	AUTHORIZATION	16
4	THE APIS FOR SUBMITTING A PAYMENT REQUEST ON BEHALF OF A PSU.....	17
4.1	PAYMENT INITIATION/AUTHORISATION REQUEST.....	18
4.1.1	Method and URL	18
4.1.2	Path parameters	19
4.1.3	Query parameters	20
4.1.4	Request header.....	20
4.1.5	Request body	22
4.1.6	Example request.....	26
4.1.7	Response code	28
4.1.8	Response header	28
4.1.9	Response body.....	29
4.1.10	Example response	29
4.2	AUTHORIZE REQUEST.....	30
4.2.1	Method and URL	30
4.2.2	Path parameters	30
4.2.3	Query parameters	30
4.2.4	Request header.....	31
4.2.5	Request body	31
4.2.6	Example request.....	31
4.2.7	Response code	31
4.2.8	Response header	32
4.2.9	Response body.....	32
4.2.10	Example response	32
4.3	PSU APPROVING THE PAYMENT	32
4.3.1	Response code	32
4.3.2	Response parameters.....	32
4.3.3	Example response	33
4.4	ACCESS TOKEN REQUEST	33
4.4.1	Method and URL	33
4.4.2	Path parameters	33
4.4.3	Query parameters	33
4.4.4	Request header.....	33
4.4.5	Request body	34
4.4.6	Example request.....	34

4.4.7	Response code	34
4.4.8	Response header	34
4.4.9	Response body	34
4.4.10	Example response	35
4.5	NEW ACCESS TOKEN REQUEST	35
4.5.1	Method and URL	35
4.5.2	Path parameters	35
4.5.3	Query parameters	35
4.5.4	Request header	36
4.5.5	Request body	36
4.5.6	Example request	36
4.5.7	Response code	36
4.5.8	Response header	37
4.5.9	Response body	37
4.5.10	Example response	37
4.6	GET TRANSACTION STATUS REQUEST	37
4.6.1	Method and URL	38
4.6.2	Path Parameters	38
4.6.3	Query Parameters	38
4.6.4	Request header	39
4.6.5	Request body	39
4.6.6	Example request	39
4.6.7	Response code	39
4.6.8	Response header	39
4.6.9	Response body	39
4.6.10	Example response	46
4.7	PAYMENT INITIATION (EXECUTION) REQUEST	47
4.7.1	Method and URL	47
4.7.2	Path parameters	47
4.7.3	Query parameters	47
4.7.4	Request header	47
4.7.5	Request body	47
4.7.6	Example request	48
4.7.7	Response code	49
4.7.8	Response header	49
4.7.9	Response body	49
4.7.10	Example response	49
4.8	GET PAYMENT REQUEST	50
4.8.1	Method and URL	50
4.8.2	Path parameters	50
4.8.3	Query parameters	50
4.8.5	Request body	51
4.8.6	Example request	51
4.8.7	Response code	51
4.8.8	Response header	51
4.8.9	Response body	51
4.8.10	Example response	54
4.9	GET PAYMENT INITIATIONS REQUEST	55
4.9.1	Method and URL	56

4.9.2	<i>Path parameters</i>	56
4.9.3	<i>Query parameters</i>	56
4.9.5	<i>Request body</i>	56
4.9.6	<i>Example request</i>	56
4.9.7	<i>Response code</i>	57
4.9.8	<i>Response header</i>	57
4.9.9	<i>Response body</i>	57
4.9.10	<i>Example response</i>	57
4.10	GET PAYMENT INITIATION REQUEST	58
4.10.1	<i>Method and URL</i>	58
4.10.2	<i>Path parameters</i>	58
4.10.3	<i>Query parameters</i>	58
4.10.5	<i>Request body</i>	59
4.10.6	<i>Example request</i>	59
4.10.7	<i>Response code</i>	59
4.10.8	<i>Response header</i>	59
4.10.9	<i>Response body</i>	59
4.10.10	<i>Example response</i>	61
4.11	GET PAYMENT INITIATION STATUS REQUEST	61
4.11.1	<i>Method and URL</i>	62
4.11.2	<i>Path parameters</i>	62
4.11.3	<i>Query parameters</i>	62
4.11.5	<i>Request body</i>	62
4.11.6	<i>Example request</i>	62
4.11.7	<i>Response code</i>	63
4.11.8	<i>Response header</i>	63
4.11.9	<i>Response body</i>	63
4.11.10	<i>Example response</i>	63
4.12	CANCEL PAYMENT REQUEST	64
4.12.1	<i>Method and URL</i>	64
4.12.2	<i>Path parameters</i>	64
4.12.3	<i>Query parameters</i>	64
4.12.5	<i>Request body</i>	65
4.12.6	<i>Example request</i>	65
4.12.7	<i>Response code</i>	65
4.12.8	<i>Response header</i>	65
4.12.9	<i>Response body</i>	65
4.12.10	<i>Example response</i>	65
4.13	GET PAYMENT STATUS REPORT REQUEST	66
4.13.1	<i>Method and URL</i>	66
4.13.2	<i>Path parameters</i>	66
4.13.3	<i>Query parameters</i>	66
4.13.5	<i>Request body</i>	66
4.13.6	<i>Example request</i>	66
4.13.7	<i>Response code</i>	67
4.13.8	<i>Response header</i>	67
4.13.9	<i>Response body</i>	67
4.13.10	<i>Example response</i>	67
4.14	ERROR HANDLING	68

4.14.1	<i>HTTP error codes</i>	68
4.14.2	<i>Additional error information</i>	69
4.14.3	<i>Redirect error codes</i>	71
APPENDIX 1: DATA DICTIONARY		72

1 Introduction

This document describes the PIS (Payment Initiation Service) interface offered by ASN Bank under PSD2. It explains the process of the consent a PSU (Payment Service User) must give to allow a TPP (Third Party Provider), in its role of PISP (Payment Initiation Service Provider), to submit a payment debiting the PSU's account or, in case of a SEPA Direct Debit, to submit a payment crediting the PSU's business account.

It should be noted that this interface:

- complies with Berlin Group standards (NextGenPSD2 XS2A Framework Implementation Guidelines V1.3) for v1 and v1.1 endpoints;
- follows the Berlin Group openFinance API Framework Implementation Guidelines for Core Compliance Services (XS2A API) and Extended Payment Initiation Services for the v2 endpoints;
- supports the initiation of a single SEPA Credit Transfer (SCT) as well as the upload of bulk SCT payments and SEPA Direct Debits.

The remainder of this document will be organized as follows:

- Chapter 2 describes the conditions ASN Bank applies to the use of its payment initiation services, the character set used for the payment information to be exchanged between the PISP and ASN Bank in its role of ASPSP, the datatypes defined for the individual pieces of information and the URLs to be used by the PISPs for the different brands of ASN Bank.
- Chapter 3 sheds some light on the requirements PISPs must meet to access the systems controlled by ASN Bank.
- Chapter 4 lays out the fine details of the payment initiation flow.

2 Payment Initiation Services offered by ASN Bank

2.1 Conditions on the use of ASN Bank's payment initiation services

ASN Bank offers seven payment services:

1. One-off payment. This payment service is referred to as *payments* by the Berlin Group (POST `/payments/{payment-product}`).
2. Future dated payment. The Berlin Group refers to this payment type as *future dated payments*. Similar to a one-off payment, but executed at a day specified by the PISP.
3. One-off deferred payment. Introduced by the Berlin Group as *deferred payments* in the Berlin Group openFinance API Framework Extended Payment Initiation Services. The scheduling of one-off deferred payments lies with the PISPs.
4. Periodic payments. This payment service is referred to as *periodic payments* by the Berlin Group also.
5. Bulk SCT payments. This payment type is known as *bulk payments* by the Berlin Group.
6. SEPA Direct Debits. This is a ASN Bank implementation and not described by the Berlin Group.

The following conditions apply to the usage of all of these payment initiation services:

1. The authorization code is valid for a duration of **10** minutes;
2. The access token is valid for a duration of **10** minutes;
3. The refresh token is valid for **90** days.

These services also have their own specific requirements which must be met by the PISP. They are listed below per specific payment service:

One-off payment

1. A one-off payment cannot be cancelled by neither the PISP nor the PSU.
2. A one-off payment never has an *endDate* in the request body.
3. A one-off payment cannot be re-submitted by the PISP with the same paymentId, even if the payment request cannot be processed by the ASPSP for technical reasons or because of insufficient balance.
4. A one-off payment is executed by the ASPSP when the PSU signs the payment.

Future dated payment (warehoused with defined execution date at the ASPSP)

1. A future dated payment can be cancelled by the PISP using the cancel payment endpoint.
2. A future dated payment never has an *endDate* in the request body.
3. A future dated payment must have a *requestedExecutionDate* in the request body.
4. The ASPSP is responsible for the execution of the payment on the indicated date.
5. The PSU (customer) can withdraw the permission for the execution of the payment up to the date as recorded in the attribute *requestedExecutionDate* in the original payment request.
6. Withdrawal of the permission by the PSU can only be done in the online banking environment of the ASPSP.

One-off deferred payment

1. The execution date of a one-off deferred payment as recorded in the mandatory attribute *endDate* cannot be after 13 months counted from and including the month where the payment request was received by the ASPSP and replied to with the status *RCVD* (*RCVD* means *received*).
2. The PISP (not the ASPSP) is responsible for the submission of a one-off deferred payment for execution;
3. The PSU can withdraw the permission for the execution of a one-off deferred payment up to and including the date as recorded in the attribute *endDate* in the original payment request.
4. Withdrawal of the permission by the PSU can only be done in the online banking environment of the ASPSP.
5. The permission to execute a one-off deferred payment expires automatically after the date as recorded in the attribute *endDate*.
6. The PISP can offer a one-off deferred payment for execution before the date as recorded in the *endDate* in the original payment request.
7. A one-off deferred payment can only be submitted once by the PISP with the same *paymentId*, even if the payment request cannot be processed by the ASPSP for technical reasons or because of insufficient balance.
8. The Berlin Group openFinance Framework defines several deferred payment services. ASN Bank supports the service type *XDPIS* (deferred-payments). This payment service does not reserve funds before execution, and does not support multiple executions (known as *initiations* under the openFinance Framework) under the same authorisation (permission).
9. An authorisation of a one-off deferred payment can be cancelled by the PISP using the cancel endpoint.

Periodic payments (warehoused at the ASPSP with same/fixed amount)

1. A periodic payment can be delivered with the attribute *endDate* filled with a date, or without the attribute *endDate*. In the latter case we are dealing with an *infinite* or *perpetual* periodic payment.
2. Withdrawal of a permission can only be done in the online banking environment of the ASPSP.
3. A periodic payment must have a *frequency* in the request body.
4. The permission for the execution of a series of periodic payments expires automatically on the date as recorded in the attribute *endDate* delivered in the original payment request.
5. The ASPSP is responsible for the execution of the periodic payments.
6. The PSU is entitled to withdraw the permission for a series of periodic payments up to and including the date as recorded in the attribute *endDate* delivered in the original payment request.
7. The PSU is entitled to withdraw the permission for a series of periodic payments lacking an *endDate* at any moment.

Bulk payments

1. A bulk payment request must follow the XML pain.001.001.03 or pain.001.001.09 file format. We check against the XSD of ISO 20022, 2009 version (pain.001.001.03) and 2019 version (pain.001.001.09). These can be found in the ISO 20022 Message Archive: <https://www.iso20022.org/catalogue-messages/iso-20022-messages-archive>.
2. Multiple batches (with a requested execution date) in one XML file is supported.
3. Both batch posting (compressed debit entry by batch) and bulk payment processing with debit entries for each individual payment within a batch (i.e. 'batch posting parameter = false') are supported.
4. SCA redirect conditions:
 - a. Digipass or Mobile Banking app as SCA token are supported;
 - b. We check against the agreed business client's account signing limits. Multiple SCA signing (signing of batches by more than 1 person) is currently not supported;
 - c. Single SCA is supported as long as all batches in the file are signed/approved by our business customer. If one or more batches in a file are not signed/approved we request the customer to do a new and as such a second SCA signing;
 - d. All unsigned batches will automatically be cancelled. Please note, the customer is warned about this in our redirect screens.
5. A bulk payment can be cancelled by the PISP using the cancel payment endpoint.

6. The PSU is entitled to withdraw a batch with an execution date in the future.
Withdrawal can be done in the online banking environment of the ASPSP.

SEPA Direct Debits

1. ASN Bank only supports Core SDD and not B2B SDD initiation services.
2. For SDD initiation services the PSU (business customer) needs to have a separate SDD Core contract with ASN Bank, SNS Bank or RegioBank. The terms and conditions ('voorwaarden') mentioned in this contract also apply for this API service. This contract describes agreements like:
 - The applicable Creditor account (IBAN), Creditor Name and Creditor Scheme ID. These have to be used in the pain.008 file !
 - Limits: the maximum number of batches in a predefined period, maximum amount of a batch, maximum number of direct debits within a batch and maximum amount of a direct debit.
 - The way the pain.008 has to be delivered. In this case it must always be 'via the bank' (Mijn ASN Zakelijk, SNS Zakelijk or RegioBank Zakelijk Internetbankieren) and the terms and conditions (like ultimate delivery timelines) mentioned in the SDD Core contract also apply for this way of delivery.

If a SDD file is initiated and it does not contain SDD Core, or the business customer has no contract for his credit creditor account (IBAN), the file is rejected with reason code AC01.

3. A SEPA Direct Debit request must follow the XML pain.008.001.02 or pain.008.001.08 file format. We check against the XSD of ISO 20022, 2009 version (pain.008.001.02) and 2019 version (pain.008.001.08). These can be found in the ISO 20022 Message Archive: <https://www.iso20022.org/catalogue-messages/iso-20022-messages-archive>. Please note that for a successful SCA redirect flow of a SEPA Direct Debit, the control sum (CtrlSum) and the number of transactions (NbOfTx) fields in both the group header (GrpHdr) and in the payment instruction information blocks (PmtInf) should be filled.
4. Multiple SEPA Direct Debit batches in one XML file is supported.
5. SCA redirect conditions:
 - a. Digipass or Mobile Banking app as SCA token are supported;
 - b. Once uploaded, the XML file cannot be altered. All SEPA Direct Debit batches present in the XML will be submitted.
6. A SEPA Direct Debit cannot be cancelled by the PISP. If a business customer want to cancel/revoke a SDD batch (before settlement) or reverse/recall a SDD batch (after settlement) the customer has to contact his bank as mentioned in the terms and conditions in his SDD Core contract.

7. Early delivery of SDD batches is supported (till 99 days before the requested SDD collection due date). Also late delivery until 4 calendar days after the requested SDD collection is due is supported. In that case the requested SDD collection due date is adjusted by the bank to 1 target day before the day of delivery.

2.2 Character set

The used character set is the Latin character set of the UTF-8 character encoding standard. This is in accordance with the character set as defined by the European Payments Council (EPC) Implementation Guidelines (EPC217-08). This character set is defined below:

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

2.3 Data types

Most APIs as defined by ASN Bank consume and produce JSON (Java Script Object Notation) structures. JSON accepts the following data types:

1. A string;
2. A number;
3. An object (JSON object);
4. An array;
5. A boolean.

Note that the bulk payment initiation call expects a pain.001 XML structure, and the SEPA Direct Debit a pain.008 XML structure.

2.4 URLs

ASN Bank supports PSD2 APIs for three different brands: ASN Bank, RegioBank and SNS. There is one specific URL per brand.

- URL to start the PSU's SCA and approval process:
 - for TPPs in the role of PISP to start the approval process for the PSU, use:
psd.bancairediensten.nl/psd2/asnbank/v1/authorize
psd.bancairediensten.nl/psd2/regiobank/v1/authorize
psd.bancairediensten.nl/psd2/snsbank/v1/authorize
 - for TPPs in the role of PISP to redeem a one-off authorization code or a recurring refresh token for an access token, use:

psd.bancairediensten.nl/psd2/asnbank/v1/token
psd.bancairediensten.nl/psd2/regiobank/v1/token
psd.bancairediensten.nl/psd2/snsbank/v1/token

With respect to the data types, ASN Bank adheres closely to the datatypes and formats used in pain messages as defined by the ISO 20022 norm and adopted by the EPC for SEPA payments. This means that for alpha-numerical, decimal and date fields the datatype **string** with some additional formatting will be used:

Datatype	Length/Format	Description
String	Maxtext34	Maximum length of the alpha-numerical string is 34
	Maxtext35	Maximum length of the alpha-numerical string is 35
	Maxtext70	Maximum length of the alpha-numerical string is 70
	Maxtext140	Maximum length of the alpha-numerical string is 140
	ISO 8601 date format	Dates are of the data type string, but must comply with the ISO 8601 <u>date</u> format. This implies that dates have the following format: YYYY-MM-DD .
	ISO 8601 datetime format	Dates are of the data type string, but must comply with the ISO 8601 <u>datetime</u> format.
	Decimal format	Amount fields are of the data type <i>string</i> , but have the format of a <i>decimal</i> where the following format requirements hold: <ul style="list-style-type: none"> 1. The number of fractional digits must comply with the ISO 4217 minor unit of currency (for instance, the number of fractional digits for the currency EUR is 2); 2. The digits denoting integers and the digits denoting fractions are separated by a dot.
Number	Integer format	Number is an integer starting at 0, 1, 2, ...

3 Access

The PISP can only use the PSD2 APIs as authorized by ASN Bank. The PISP must be registered with the Competent Authority with a license to perform payment initiation services (refer to payment service 7 as described in Annex of the Payment Services Directive (2015/2366)), PISPs that wish to use the PSD2 APIs of ASN Bank are required to go through an onboarding process. Part of this onboarding process is the exchange of a so-called **client_id**, **client_secret** and **redirect_uri**. The **redirect_uri** is needed to return the response to the payment initiation request, the subsequent authorization request and token exchange request to the appropriate address of the PISP.

3.1 Certificates

The connections between the TPP and ASN Bank endpoints are secured by a mutual TLS authentication, as required by the PSD2 regulations. This means that the TLS connection can only be established including client (i.e. TPP) authentication. For this authentication the TPP has to use a qualified certificate for website authentication. This qualified certificate has to be issued by a qualified trusted service provider (QTSP) according to the eIDAS regulation [eIDAS].

The content of the certificate has to be compliant with the requirements as specified in article 34 of the EBA Regulatory Technical Standards on Strong Customer Authentication and common and secure communication under article 98 of Directive 2015/2366 (PSD2).

3.2 Authentication by OAuth2

ASN Bank has chosen the OAuth2 authentication method for its PSD2 interface, an authentication method that does not require users to share their bank passwords with third-party apps. More details on the OAuth2 authentication method can be found in the [standard OAuth2 flows](#) or in one of the many tutorials on the internet.

3.3 Authorization

ASN Bank is using the so-called *authorization code* grant flow. The authorization code grant type is used to obtain both access tokens and refresh tokens and is optimized for confidential clients.

The ASPSP (the PSU's bank) delivers an authorization code to the TPP on behalf of the customer. The code is issued only once by the ASPSP and is needed for using the PSD2 functions. Next, the TPP will exchange the authorization code for an access and refresh token. The access token can subsequently be used in each PSD2 API service, but only once.

4 The APIs for submitting a payment request on behalf of a PSU

The PISPs must¹ use the following endpoints for submitting a payment request:

1. Payment initiation request (known as *authorisation* request for **one-off deferred payments**) with JSON encoding, or XML for bulk payments and SEPA Direct Debits;
- 2 and 3. Authorize request and approval by the PSU;
4. Access token request: access token and refresh token based on an authorization code;
5. New access token request: new access and refresh tokens based on a refresh token;
6. Get transaction status request;
7. Payment initiation request for **one-off deferred payments** (also known as the *execution* request);
8. Get payment request to retrieve the payment details, including the debtor account and the name of the holder(s) of this account, for all authorized payment types except bulk payments and SEPA Direct Debits;
9. Cancel payment request for **future dated payments, one-off deferred payments, and bulk payments**;
10. Additional requests to retrieve details of a **one-off deferred payment**: its executions (referred to as *initiations* in the openFinance Framework), details of an execution, and the status of an execution;
11. Get payment status report for **SEPA Direct Debits**.

The SEPA Direct Debit endpoints are published on our Developer Portal as separate SEPA Direct Debit Payment Services APIs (one for initiating and retrieving the status, and one for retrieving the payment status report).

The v1 payment endpoints (periodic and bulk payments) and v2 payment endpoints (one-off, future dated and one-off deferred payments) are published in separate API Services on our Developer Portal.

Endpoints 7, 8, 9 and 10 for one-off deferred, one-off and future dated payment are published on our Developer Portal as one API Swagger file, named "<Brand name> Manage Payments Services v2". For bulk payments and periodic payments, endpoints 8 and 9 are published in separate API Swagger files.

The API endpoints usually consist of the following elements:

1. Method and URL;
2. Path parameters;
3. Query parameters;
4. Request header;
5. Request body;
6. Response code;
7. Response header;
8. Response body.

¹ The APIs 6, 8, 9, 10 and 11 are optional.

For every individual endpoint ASN Bank offers, we will point out which of these elements they have and explain them in depth.

4.1 Payment initiation/authorisation request

By issuing a payment initiation/authorisation request, the PISP seeks permission from an ASPSP to submit a payment debiting the account a PSU is holding with the addressed ASPSP on behalf of that PSU.

In the sub-sections to come, we will discuss at length the parts which make up the payment initiation/authorisation endpoint.

A note on initiations and authorisations

For openFinance Extended Services (which includes one-off deferred payments), the Berlin Group introduced a distinction between *initiations* and *authorisations*. The creation of an extended payment resource for one-off deferred payments at the ASPSP, which is necessary for execution of the payment by the PISP, is referred to as the deferred payment *authorisation* request. The subsequent execution of the payment by the PISP is referred to as an *initiation* for a one-off deferred payment.

The creation of a one-off deferred payment *initiation* (execution) is described in section 4.7, and this current section deals with the creation of a one-off deferred payment *authorisation*.

For the core services (such as one-off payments and future dated payments) the openFinance documents refer to the creation of a payment resource at the ASPSP as the payment *initiation* request, which is described here. Payments of these types are subsequently executed by the ASPSP.

4.1.1 Method and URL

Method	URL	Description
POST	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/payments/{payment-product}	Payment initiation endpoint for a one-off payment or a future dated payment as defined by the Berlin Group in the openFinance API Framework - XS2A API as PSD2 Interface Implementation Guidelines version 2.0.

Method	URL	Description
POST	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/deferred-payments/{payment-product}	Payment authorisation endpoint for a one-off deferred payment as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.
POST	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/periodic-payments/{payment-product}	Payment initiation endpoint for periodic payments as defined by the Berlin Group in the implementation guide version 1.3.
POST	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/bulk-payments/{payment-product}	Payment initiation endpoint for bulk payments as defined by the Berlin Group in the implementation guide version 1.3, and for and SEPA Direct Debits .

4.1.2 Path parameters

Attribute	Type	Mandatory	Description
payment-product	String	Y	<p>The attribute refers to the payment product associated with the credit transfer payment method.</p> <p>The Berlin Group distinguishes the following payment products for JSON-based calls:</p> <ol style="list-style-type: none"> 1. sepa-credit-transfers; 2. instant-sepa-credit-transfers; 3. target-2-payments; 4. cross-border-credit-transfers. <p>It is up to the ASPSP to decide which of these payment products it supports. At the moment, ASN Bank only supports the following product:</p> <ol style="list-style-type: none"> 1. sepa-credit-transfers.² <p>For bulk payments, ASN Bank supports the product pain.001-sepa-credit-transfers.</p> <p>For SEPA Direct Debits, use the product pain.008-sepa-direct-debits.</p>

² ASN Bank processes sepa-credit-transfers instantly, provided that the bank of the creditor is reachable for instant payments. So, there is no difference in the settlement of these payments with the processing via our PSU interfaces.

4.1.3 Query parameters

The payment initiation/authorisation endpoint does not have any query parameters.

4.1.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute should be filled with the value " <i>application/json</i> ", except for bulk payments and SEPA Direct Debits. For bulk payments and SEPA Direct Debits this attribute should be filled with the value " <i>application/xml</i> ".
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute consists of <i>client_id</i> : identification of the PISP as registered with ASN Bank.
PSU-IP-Address	String	Y	Attribute filled with the IP-address of the PSU as recorded in the HTTP request from the PSU to the PISP. If the PSU has not sent its IP-address to the PISP, the PISP has to send its own IP-address.
Contract-ID	String	N	ID of the underlying service contract between API Client and API Server, resulting from API Client onboarding. Should be filled with the <i>client_id</i> . Mandatory for v2 endpoints, not necessary for v1 endpoints (recognizable by /v1 or /v2 in the URL).
TPP-Redirect-URI	String	N	URI of the TPP, where the transaction flow shall be redirected to after a Redirect. Mandatory for v2 endpoints, not necessary for v1 endpoints.

Attribute	Type	Mandatory	Description
Client-Notification-URI	String	N	<p>The URI of the Client API where notifications about the transaction status will be sent towards. The URI should match with the common name or one of the domains of the QWAC certificate.</p> <p>Push notifications are only supported for one-off payments, future dated payments, and one-off deferred payments.</p> <p>When the PISP wants to receive notifications, use both Client-Notification-URI and Client-Notification-Content-Preferred.</p>
Client-Notification-Content-Preferred	String	N	<p>The string has the form 'status=X1, ..., Xn'. Xi is one of SCA, PROCESS, or LAST, and the constants are not repeated.</p> <p>Only PROCESS is supported by ASN Bank.</p> <p>When the PISP wants to receive notifications, use both Client-Notification-URI and Client-Notification-Content-Preferred.</p>

A note on notifications: when a PISP wants to receive transaction status updates of a payment, we recommend using this functionality. This reduces the need for various status requests from the PISP. The notification will be sent when a payment is executed. Its body contains:

Attribute	Type	Mandatory	Description
paymentId	String	Y	Attribute hosts the unique identification assigned by the ASPSP to the payment, when the initiation request was sent in by the PISP.
transactionStatus	String	Y	<p>Value of the attribute is conform with the ISO 20022 ExternalPaymentTransactionStatus1Code list.</p> <p>Enumeration:</p> <ul style="list-style-type: none"> - ACCC (accepted settlement completed, settlement on the creditor's account has been completed) - ACSC (accepted settlement completed, settlement on the debtor's account has been completed) - RJCT (rejected, e.g. if no funds available)

Attribute	Type	Mandatory	Description
reasonCode	String	N	<p>Additional information on the reason for rejecting the payment. Attribute contains a code from the ExternalStatusReason1Code list from ISO20022.</p> <p>Examples of possible reason codes:</p> <ul style="list-style-type: none"> - AM04 (InsufficientFunds): The related funds are not available on the account. - AC05 (ClosedDebtorAccountNumber): Debtor account number closed. - AC06 (BlockedAccount): Account specified is blocked, prohibiting posting of transactions against it.
initiationId	String	N	<p>Unique identification of the payment initiation.</p> <p>Only provided for one-off deferred payments.</p>

4.1.5 Request body

For **one-off payments**, **future dated payments** and **one-off deferred payments**, the attributes are as presented in this first table.

Attribute	Type	Mandatory	Description
creditor	PartyDescription1*	Y	Attribute filled with a description of the creditor.
creditorAccount	AccountReference*	Y	Attribute filled with details of the creditor account.
instructedAmount	Amount*	Y	Attribute filled with details of the amount.
remittanceInformationUnstructured	String	N	<p>Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an UNSTRUCTURED form.</p> <p>Max140Text.</p> <p>remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that "Either 'Structured' or 'Unstructured' may be present".</p>

Attribute	Type	Mandatory	Description
remittanceInformationStructured	String	N	<p>Remittance information according to the list of Currence ("CUR") or ISO-20022 ("ISO").</p> <p>Max35Text.</p> <p>remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that <i>"Either 'Structured' or 'Unstructured' may be present"</i>.</p>
issuerSRI	String	N	<p>The attribute <i>issuerSRI</i> is an ASN Bank-specific attribute required whenever the attribute <i>remittanceInformationStructured</i> is used.</p> <p>The attribute <i>issuerSRI</i> is not on the list of attributes as defined by the Berlin Group. It can, for instance, have the following values:</p> <ul style="list-style-type: none"> • CUR; • ISO. <p>Max35Text.</p>
ultimateCreditor	PartyDescription*	N	<p>Ultimate party to which an amount of money is due.</p> <p>This attribute is optional. Nevertheless it is highly recommended to provide this information in case the TPP is acting as Collecting Service Provider. The TPP is temporarily in the possession of the collected funds (after the initiated payment is executed and settled) and transfers the collected funds from his "escrow" creditor account to the ultimate receiver/creditor account.</p>
creditorAgent	AgentDescription2*	N	Attribute filled with a description of the creditor agent.
paymentIdentification	PaymentIdentification*	N	Set of elements used to reference a payment instruction.
debtorAccount	AccountReference*	N	Attribute filled with details of the debtor account.

Attribute	Type	Mandatory	Description
endDate	String	N	<p>The attribute <i>endDate</i> is a ASN Bank-specific field and is <u>not</u> allowed for one-off payments and future dated payments.</p> <p>The attribute <i>endDate</i> is <u>mandatory</u> for payments of the payment service one-off deferred payments. The <i>endDate</i> marks the ultimate date on which the PISP can submit a payment for execution by the ASPSP. The <i>endDate</i> should not be more than 13 months in the future.</p> <p>Attribute <i>endDate</i> has the ISO 8601 Date format (YYYY-MM-DD).</p>
requestedExecutionDate	String	N	<p>Date at which the initiating party requests the clearing agent to process the payment.</p> <p>Attribute <i>requestedEndDate</i> has the ISO 8601 Date format (YYYY-MM-DD).</p> <p>The attribute <i>requestedExecutionDate</i> is <u>not</u> allowed with payments of the payment service one-off deferred payments.</p> <p>The attribute <i>requestedEndDate</i> is <u>mandatory</u> for future dated payments.</p> <p>The date <u>cannot</u> be in the past or more than 10 years in the future. If the date is today's date, the payment will be executed as a one-off payment; for a date in the future the ASPSP will execute the payment on that date.</p>

*For a data dictionary, see appendix 1.

For **bulk payments** the request body is a pain.001 structure corresponding to the SCT schema urn:iso:std:iso:20022:tech:xsd:pain.001.001.03.

For **SEPA Direct Debits** the request body is a pain.008 structure corresponding to the SDD schema urn:iso:std:iso:20022:tech:xsd:pain.008.001.02. Please note that for a successful SCA redirect flow of a SEPA Direct Debit, the control sum (CtrlSum) and the number of transactions (NbOfTxS) fields in both the group header (GrpHdr) and in the payment instruction information blocks (PmtInf) should be filled.

Below attributes are for **periodic payments**.

Attribute	Type	Mandatory	Description
debtorAccount	AccountReference*	N	Attribute filled with the details of the debtor account.

Attribute	Type	Mandatory	Description
instructedAmount	Amount*	Y	Attribute filled with details of the amount.
creditorAccount	AccountReference*	Y	Attribute filled with details of the creditor account.
creditorAgent	String	N	Attribute filled with a BIC. ISO 20022 definition BIC: [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0-9]{3,3}){0,1}.
creditorName	String	Y	Party to which an amount of money is due. Max70Text.
remittanceInformationUnstructured	String	N	Max140Text. remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that “ <i>Either ‘Structured’ or ‘Unstructured’ may be present</i> ”.
endDate	String	N	The attribute <i>endDate</i> is optional, because ASN Bank also allows for periodic payments with no end date, the so-called infinite or perpetual periodic payments. Attribute <i>endDate</i> has the ISO 8601 Date format (YYYY-MM-DD).
startDate	String	Y	The attribute <i>startDate</i> is mandatory for periodic payments. <i>startDate</i> has the ISO 8601 Date format (YYYY-MM-DD). The date <u>cannot</u> be today, in the past or more than one year from now.
executionRule	String	N	ASN Bank only supports the value <i>following</i> .
frequency	String	Y	The attribute <i>frequency</i> is mandatory for periodic payments. The following codes from the EventFrequency7Code of ISO 20022 are supported: Weekly, EveryFourWeeks, Monthly, Quarterly, SemiAnnual, Annual
dayOfExecution	String	N	The format is following the regular expression \d{1,2}. Example: the first day is addressed by “1”. The date is referring to the timezone of the ASPSP. The attribute <i>dayOfExecution</i> is not used.

*For a data dictionary, see appendix 1.

4.1.6 Example request

The payment initiation/authorisation request is illustrated below. We give two examples: one for a JSON-based one-off deferred payment authorisation and one for a pain.001 XML-based payment initiation.

```
POST https://psd.bancairediensten.nl/psd2/snsbank/v2/deferred-
payments/sepa-credit-transfers
Content-Type: application/json
X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721
Authorization: 17a2095e702fc042e881384d746e32d1f3
PSU-IP-Address: 192.168.8.78
Contract-ID: 17a2095e702fc042e881384d746e32d1f3
TPP-Redirect-URI: www.redirecturi.com
{
  "instructedAmount": {
    "amount": "20.99",
    "currency": "EUR"
  },
  "debtorAccount": {
    "iban": "NL64MAART0948305290",
    "currency": "EUR"
  },
  "creditorAccount": {
    "iban": "NL55WIND0000012345",
    "currency": "EUR"
  },
  "creditor": {
    "name": "A B Janssen"
  },
  "creditorAgent": {
    "financialInstitutionId": {
      "bicfi": "INGBNL2A"
    }
  },
  "remittanceInformationStructured": "1234 5678 9012 3456",
  "issuerSRI": "CUR",
  "ultimateCreditor": {
    "name": "bol.com",
    "identification": {
```

```

    "organisationId": {
      "lei": "724500PI68UVLK7E3S11"
    }
  },
  "paymentIdentification": {
    "endToEndId": "endToEnd1234",
    "instructionId": "instruction1234"
  },
  "endDate": "2023-12-20"
}

```

```

POST https://psd.bancairediensten.nl/psd2/snsbank/v1/bulk-
payments/pain.001-sepa-credit-transfers
Content-Type: application/xml
X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721
Authorization: 172b095e7a2f0442e887384c74b532defe
PSU-IP-Address: 192.168.8.78
<?xml version="1.0" encoding="utf-8"?>
<Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03"
xsi:schemaLocation="urn:iso:std:iso:20022:tech:xsd:pain.001.001.03
schema.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <CstmrCdtTrfInitn>
    <GrpHdr>
      <MsgId>msgid</MsgId>
      <CreDtTm>2002-07-06T06:34:11.85</CreDtTm>
      <NbOfTxes>1</NbOfTxes>
      <CtrlSum>3.00</CtrlSum>
      <InitgPty />
    </GrpHdr>
    <PmtInf>
      <PmtInfId>batchId1</PmtInfId>
      <PmtMtd>TRF</PmtMtd>
      <NbOfTxes>1</NbOfTxes>
      <CtrlSum>3.00</CtrlSum>
      <ReqdExctnDt>1973-08-09</ReqdExctnDt>
      <Dbtr>
        <Nm>SNS klant</Nm>
      </Dbtr>
      <DbtrAcct>
        <Id>
          <IBAN>NL19SNSB0123426270</IBAN>
        </Id>
      </DbtrAcct>
      <DbtrAgt>
        <FinInstnId />
      </DbtrAgt>
    </PmtInf>
  </CstmrCdtTrfInitn>
</Document>

```

```

    <CdtTrfTxInf>
      <PmtId>
        <EndToEndId>eteidl</EndToEndId>
      </PmtId>
      <Amt>
        <InstdAmt Ccy="IZR">3.00</InstdAmt>
      </Amt>
      <Cdtr>
        <Nm>Anton</Nm>
      </Cdtr>
      <CdtrAcct>
        <Id>
          <IBAN>NL15ASNB0706723484</IBAN>
        </Id>
      </CdtrAcct>
      <RmtInf>
        <Strd>
          <CdtrRefInf>
            <Tp>
              <CdOrPrtry>
                <Cd>SCOR</Cd>
              </CdOrPrtry>
              <Issr>CUR</Issr>
            </Tp>
            <Ref>9000007960551590</Ref>
          </CdtrRefInf>
        </Strd>
      </RmtInf>
    </CdtTrfTxInf>
  </PmtInf>
</CstmrCdtTrfInitn>
</Document>

```

4.1.7 Response code

Code	Description
201	Created

4.1.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
Location	String	Y	Attribute contains the location of the created resource.
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
ASPSP-SCA-Approach	String	Y	Attribute invariably filled with the value <i>"REDIRECT"</i> .

Attribute	Type	Mandatory	Description
ASPSP-Notification-Support	String	N	<p>Only returned when the request contained notification headers.</p> <p>Contains the value 'true' when notifications for the created resource are supported. Contains 'false' when notifications in general are supported by the ASPSP, but not for this resource.</p>
ASPSP-Notification-Content	String	N	<p>Only returned when the request contained notification headers, and when notifications for the created resource are supported.</p> <p>When returned, always contains "status=PROCESS" since only PROCESS is supported by ASN Bank.</p>

4.1.9 Response body

Attribute	Type	Mandatory	Description
transactionStatus	String	Y	<p>Value of the attribute is conform with the ISO 20022 ExternalPaymentTransactionStatus1Code list. Enumeration: RCVD (received).</p>
paymentId	String	Y	ID of the created resource.
_links	Links	Y	<p>Remark: All links can be relative or full links. The choice to be made is up to the discretion of the ASPSP.</p> <p>"scaOAuth": In case of a SCA OAuth2 Approach, the ASPSP is transmitting the URI where the configuration of the Authorisation Server can be retrieved. The configuration follows the OAuth 2.0 Authorisation Server Metadata specification.</p> <p>"status": the link to retrieve the transaction status of the payment initiation.</p>
expiryDateTime	String	N	<p>Only provided for one-off deferred payments.</p> <p>The last time stamp of validity of the related authorisation of the one-off deferred payment.</p> <p>Attribute <i>expiryDateTime</i> has the ISO 8601 DateTime format (YYYY-MM-DDThh:mm:ssZ).</p>

Note: if a bulk payment file (pain.001) or SEPA Direct Debit file (pain.008) is rejected it is possible that you receive additional error information. Please refer to section 4.14.2.

4.1.10 Example response

```
HTTP/1.x 201 Created
```

```

Content-Type:      application/json
Location:
https://psd.bancairediensten.nl/psd2/snsbank/v2/payments/757a1db2-1281-4c3c-9dab-095977bab1ca
X-Request-ID:      99391c7e-ad88-49ec-a2ad-99ddcb1f7756
ASPSP-SCA-Approach: REDIRECT
{
  "transactionStatus": "RCVD",
  "paymentId": "757a1db2-1281-4c3c-9dab-095977bab1ca",
  "_links": {
    "scaOAuth": {"href": "https://psd.bancairediensten.nl/psd2/snsbank/v1/authorize"},
    "status": {"href": "/v2.1/payments/sepa-credit-transfers/757a1db2-1281-4c3c-9dab-095977bab1ca/status"}
  }
}

```

4.2 Authorize request

The PISP issues a request with the purpose to receive a URL which re-directs the PSU to the local bank environment in order to allow the PSU to authorize its bank, the ASPSP, to execute the payment submitted by the PISP.

In the next sub-sections, we will take a closer look at the elements which constitute the authorize endpoint.

4.2.1 Method and URL

Method	URL	Description
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/authorize?	Authorize endpoint as defined by ASN Bank.

4.2.2 Path parameters

The authorize endpoint does not have any path parameters.

4.2.3 Query parameters

Attribute	Type	Mandatory	Description
response_type	String	Y	Attribute invariably filled with the value "code".
scope	String	Y	Attribute specifies the level of access that the application is requesting. Invariably filled with the value "PIS".

Attribute	Type	Mandatory	Description
state	String	Y	Attribute contains the unique identification of the request issued by the PISP. The Berlin Group calls this attribute <i>X-Request-ID</i> .
paymentId	String	Y	Attribute hosts the unique identification assigned by the ASPSP to the payment, when the initiation request was sent in by the PISP.
redirect_uri	url	Y	Attribute filled with the value where the service redirects the user-agent to after granting the authorization code. No wildcards can be used in the callback URL. ASN Bank validates the exact callback URL.
client_id	String	Y	Attribute filled with the value of the client_id

4.2.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value " <i>application/x-www-form-urlencoded</i> ".
Authorization	String	Y	Attribute consists of <i>client_id</i> : identification of the PISP as registered with ASN Bank.

4.2.5 Request body

The authorize endpoint does not have a request body.

4.2.6 Example request

```
GET
https://psd.bancairediensten.nl/psd2/snsbank/v1/authorize?response_type=c
ode&scope=PIS&state=111111&paymentId=757a1db2-1281-4c3c-9dab-095977bab1ca
&redirect_uri=https://thirdparty.com/callback&client_id=<client_id>
Content-Type: application/x-www-form-urlencoded
Authorization: 172b095e7a2f0442e887384c74b532dafa
```

4.2.7 Response code

Code	Description
302	Redirect

4.2.8 Response header

Attribute	Type	Mandatory	Description
location	String	Y	This attribute contains: 1. The URL leading to the login page of the ASPSP; 2. Session data stored in a JWT object (JWT stands for <i>JSON WebToken</i>).
Content-Type	String	Y	Attribute invariably filled with the value " <i>text/plain</i> ".

4.2.9 Response body

The authorize endpoint does not have a response body.

4.2.10 Example response

```
HTTP/1.x 302
location:
https://diensten.snsbank.nl/online/toegangderden/#/login?action=display&sessionID=<sessionID>&sessionData=<sessionData>
Content-Type: text/plain
```

4.3 PSU approving the payment

PSUs clicking on the link leading them to the ASPSP will log on to the service to authenticate their identity. Next, the PSU approves the PISP's request to execute the payment. In case of success, the service returns an authorization code and redirects the user-agent to the application defined by the redirect URI.

The PSU's authentication and the PSU's approval are processes internal to ASN Bank, which we will not describe here. The return of the authorization code, though, that we will discuss below.

4.3.1 Response code

Code	Description
302	Redirect

4.3.2 Response parameters

Attribute	Type	Mandatory	Description
code	String	Y	Attribute filled with the authorization code needed to obtain an access and a refresh token. This code can only be used once and exchanged within a configurable time window (currently set to 10 minutes).

Attribute	Type	Mandatory	Description
state	String	Y	Attribute filled with the value which the PISP has delivered in the attribute state in the Authorize request.

The authorization code is then passed on to the PISP via the re-direct URL the PSU has to its disposition.

4.3.3 Example response

```
HTTP/1.x 302
https://fintechapplication/redirect?code=869af7df-4ea4-46cf-8bed-3de27624b29e&state=12345
```

4.4 Access token request

The access token and the refresh token are provided on the basis of the authorization code. The PISP requests an access token from the API by passing the authorization code along with authentication details, including the client secret, to the API token endpoint.

4.4.1 Method and URL

Method	URL	Description
POST	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/token?	Token endpoint as defined by ASN Bank.

4.4.2 Path parameters

The token endpoint does not have any path parameters.

4.4.3 Query parameters

Attribute	Type	Mandatory	Description
grant_type	String	Y	Attribute invariably filled with the fixed value "authorization_code"; defines the OAuth2 flow.
code	String	Y	Authorization code needed to obtain an access and a refresh token.
redirect_uri	String	Y	The service redirects the user-agent to the application redirect URI. No wildcards can be used in the callback URL. ASN Bank validates the exact callback URL.

4.4.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value "application/x-www-form-urlencoded".

Attribute	Type	Mandatory	Description
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Consist of <i>client_id</i> and <i>client_secret</i> separated by a colon (:) in a base64 encoded string. <ul style="list-style-type: none"> Format: Basic base64 (<client_id>:<client_secret>); client_id: Identification of the PISP as registered with ASN Bank; client_secret: secret agreed between the PISP and ASN Bank.

4.4.5 Request body

The token endpoint does not have a request body.

4.4.6 Example request

```
POST
https://psd.bancairediensten.nl/psd2/snsbank/v1/token?grant_type=authorization_code&code=<AUTHORIZATION_CODE>&redirect_uri=https://thirdparty.com/callback
Content-Type: application/x-www-form-urlencoded
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012
Authorization: Basic base64(<client_id>:<client_secret>)
```

4.4.7 Response code

If the authorization is valid, the ASPSP will return a response containing the access token (and optionally, a refresh token) to the application. The response will look like this:

Code	Description
200	Ok

4.4.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value " <i>application/json</i> ".

4.4.9 Response body

Attribute	Type	Mandatory	Description
access_token	String	Y	Attribute filled with the access token needed to call the PSD2 interface, in this case PIS.
token_type	String	Y	Attribute invariably filled with the fixed value " <i>Bearer</i> ".
expires_in	Number	Y	Attribute filled with the lifetime in seconds of the access token.

refresh_token	String	Y	Value in the attribute can be used to obtain a new access token using the same authorization grant in the situation where the current token has expired.
scope	String	Y	Attribute filled with the scope of the access token. In this context "PIS".

4.4.10 Example response

```
HTTP/1.x 200 OK
Content-Type: application/json
{
  "access_token": "<ACCESS_TOKEN>",
  "token_type": "Bearer",
  "expires_in": 600,
  "refresh_token": "<REFRESH_TOKEN>",
  "scope": "PIS"
}
```

At this point, the PISP has been authorized. It is allowed to use the token until the token expires or is revoked. A refresh token may be used to request new access tokens, if the original token has expired.

4.5 New access token request

When the original token has expired, the PISP can request a new access token. A PISP using an expired token in a payment status information request will receive an "Invalid Token Error" response. When this happens, the refresh token can be used to request a fresh access token from the authorization server. The authorization server issues a new refresh token, in which case the client must dispose of the old refresh token and replace it with the new refresh token.

4.5.1 Method and URL

Method	URL	Description
POST	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/token?	Token endpoint as defined by ASN Bank.

4.5.2 Path parameters

The token endpoint does not have any path parameters.

4.5.3 Query parameters

Attribute	Type	Mandatory	Description
grant_type	String	Y	Attribute invariably filled with the fixed value "refresh_code"; defines the OAuth2 flow.

Attribute	Type	Mandatory	Description
refresh_token	String	Y	Refresh token code needed to obtain an access and a refresh token.
redirect_uri	String	Y	The service redirects the user-agent to the application redirect URI. No wildcards can be used in the callback URL. ASN Bank validates the exact callback URL.

4.5.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/x-www-form-urlencoded"</i> .
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Consist of <i>client_id</i> and <i>client_secret</i> separated by a colon (:) in a base64 encoded string. <ul style="list-style-type: none"> Format: Basic base64 (<client_id>:<client_secret>); client_id: Identification of the PISP as registered with ASN Bank; client_secret: secret agreed between the PISP and ASN Bank.

4.5.5 Request body

The token endpoint does not have a request body.

4.5.6 Example request

```
POST
https://psd.bancairediensten.nl/psd2/snsbank/v1/token?grant_type=
refresh_token&refresh_token=<REFRESH_TOKEN>&redirect_uri=https://thirdpar
ty.com/callback
Content-Type: application/x-www-form-urlencoded
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012
Authorization: Basic base64(<client_id>:<client_secret>)
```

4.5.7 Response code

If the authorization is valid, the ASPSP will return a response containing the access token (and optionally, a refresh token) to the application. The response will look like this:

Code	Description
200	Ok

4.5.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value "application/json".

4.5.9 Response body

Attribute	Type	Mandatory	Description
access_token	String	Y	Attribute filled with the access token needed to call PSD2 interface, in this case PIS.
token_type	String	Y	Attribute invariably filled with the fixed value "Bearer".
expires_in	Number	Y	Attribute filled with the lifetime in seconds of the access token.
refresh_token	String	Y	Attribute filled with the new refresh token. Value of the attribute can be used to obtain a new access token using the same authorization grant in the situation where the current token has expired.
scope	String	Y	Attribute filled the scope of the access token. In this context "PIS".

4.5.10 Example response

```
HTTP/1.x 200 OK
Content-Type: application/json
{
  "access_token": "<ACCESS_TOKEN>",
  "token_type": "Bearer",
  "expires_in": 600,
  "refresh_token": "<REFRESH_TOKEN>",
  "scope": "PIS"
}
```

Now, the PISP has been authorized again.

4.6 Get transaction status request

After the PSU's approval of the payment, the PISP can retrieve its most recent status by submitting a transaction status request.

For extended payment services like one-off deferred payments, the Berlin Group openFinance documents make a distinction between the status of the payment *authorisation* and the status of a payment *initiation* (execution of a payment). This section describes the status request of a deferred payment *authorisation*. For one-off payments and future dated payments, there is only one transaction status call on the payment resource.

In the sub-sections to come, we will discuss at length the parts which make up the transaction status request endpoint.

4.6.1 Method and URL

Method	URL	Description
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2.1/payments/sepa-credit-transfers/{payment-id}/status	Transaction status request endpoint for the payment services one-off payments and future dated payments as defined by the Berlin Group in the openFinance API Framework - XS2A API as PSD2 Interface Implementation Guidelines version 2.0.
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2.1/deferred-payments/sepa-credit-transfers/{payment-id}/status	Transaction status request endpoint for the payment service one-off deferred payments as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1.1/bulk-payments/pain.001-sepa-credit-transfers/{payment-id}/status	Transaction status request endpoint for the payment service bulk payments as defined by the Berlin Group in the implementation guide version 1.3.
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/bulk-payments/pain.008-sepa-direct-debits/{payment-id}/status	Transaction status request endpoint for the SEPA Direct Debits , following the status request format as defined by the Berlin Group in the implementation guide version 1.3.

4.6.2 Path Parameters

Attribute	Type	Mandatory	Description
payment-id	String	Y	Attribute hosts the unique identification assigned by the ASPSP to the payment, when the initiation request was sent in by the PISP.

4.6.3 Query Parameters

The transaction status request endpoint does not have any query parameters.

4.6.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value "application/json".
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute consists of <i>client_id</i> : identification of the PISP as registered with ASN Bank.

4.6.5 Request body

The transaction status request endpoint does not have a request body.

4.6.6 Example request

```
GET https://psd.bancairediensten.nl/psd2/snsbank/v2.1/payments/sepa-credit-transfers/757a1db2-1281-4c3c-9dab-095977bab1ca/status
Content-Type: application/json
X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721
Authorization: 17a2095e702fc042e881384d746e32d1f3
```

4.6.7 Response code

Code	Description
200	Ok

4.6.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value "application/json".
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).

4.6.9 Response body

Below you can find the response body in case of JSON-based payment initiation calls (all types except bulk payments and SEPA Direct Debits), followed by the response body in case of XML-based payment initiation calls (bulk payments and SEPA Direct Debits).

Attribute	Type	Mandatory	Description
transactionStatus	String	Y	Value of the attribute is conform to the ISO 20022 ExternalPaymentTransactionStatus1Code list. Enumeration:

Attribute	Type	Mandatory	Description
			<ul style="list-style-type: none"> - <u>ACSC</u> (accepted settlement completed, Settlement on the debtor's account has been completed) This is the final status for the <i>non-instant</i> execution of a one-off payment or future dated payment. - <u>ACCC</u> (accepted settlement completed, Settlement on the creditor's account has been completed) This is the final status for the <i>instant</i> execution of a one-off payment or future dated payment. - <u>RCVD</u> (received) Payment resource has been created but not signed. This status indicates that one of the following situations has occurred: <ul style="list-style-type: none"> - The payment resource has been created and the redirect SCA Authorization call is not yet issued/requested by the PISP; - During the SCA redirect the PSU closed the browser; - During the SCA redirect it appeared that the selected debtor account is not an online payment account or the PSU is not authorized to use this account for payment initiation; - The SCA daily token limit is exceeded. - <u>RJCT</u> (rejected) The payment is rejected. This status indicates that one of the following situations has occurred: <ul style="list-style-type: none"> - The payment is rejected by the bank (payment account is blocked, insufficient funds, fraud detection). - The payment is timed out during the redirect SCA Authorization call. - In case of a one-off deferred payment, the payment may be expired (endDate has gone by before the payment was executed by the PISP). - <u>CANC</u> (cancelled) The payment has been cancelled. This status indicates that one of the following situations has occurred:

Attribute	Type	Mandatory	Description
			<ul style="list-style-type: none"> - The PSU cancelled the one-off payment, future dated payment or one-off deferred payment during redirect SCA. - A future dated or one-off deferred payment payment has been cancelled by the PISP with a Cancel Payment request (see section 4.12); - A future dated or one-off deferred payment has been cancelled by the PSU in his/her online banking application of one of the brands of ASN Bank. <p>- <u>ACCP</u> (accepted customer profile) A payment is accepted/completely signed and ready for the settlement process. This status indicates that one of the following situations has occurred:</p> <ul style="list-style-type: none"> - a future dated payment has been signed and approved, but the <i>requestedExecutionDate</i> is in the future. - a one-off deferred payment authorisation has been signed. Note that this is the status of the deferred payment <i>authorisation</i>; for status information of the actual execution of the authorised payment (when an execution has taken place), see section 4.11. A one-off deferred payment authorisation status does not reflect whether an execution has taken place or not.

Response body in case of an XML-based payment initiation request (for bulk payments and SEPA Direct Debits):

Attribute	Type	Mandatory	Description
originalMessageIdentification	String	Y	Point to point reference, as assigned by the original initiating party, to unambiguously identify the original mandate request message.

Attribute	Type	Mandatory	Description
groupStatus	String	N	<p>Value of the attribute is conform to the ISO 20022 standard.</p> <p>ExternalPaymentTransaction Status1Code list.</p> <p>Enumeration:</p> <ul style="list-style-type: none"> - RCVD - ACTC - ACCP - ACSP - ACSC - ACCC - RJCT - CANC - PART³

³ PART is used when a pain file has more batches and these batches have different end statuses. Or in case of 'batch booking parameter = false' the individual payment transactions in a batch have different end statuses.

statusReasonInformation	String	N	<p>Additional reason information for a specific status conform ISO20022 standard. Enumeration:</p> <ul style="list-style-type: none"> - AC01 - AC02 - AC03 - AC04 - AC06 - AG01 (transaction forbidden on this type of account) - AG02 (incorrect operation code / SDD sequence type) - AM02 - AM04 - AM05 - AM16 - AM17 - AM19 - AM20 - CH03 - CH04 - CNOR (SCT Creditor bank not reachable) - DNOR (SDD Debtor bank not reachable) - DS0H - DU01 - DU02 - FF01 - MD01 (SDD Core no mandate) - MD02 - MD07 - MS02 (SDD refusal by debtor) - MS03 - RC01 (invalid BIC) - RR01 (missing debtor account) - RR02 (missing debtor name or address) - RR03 (missing creditor name or address) - RR04 (general regulatory reason) - SL01 (SDD black-/whitelisting)
-------------------------	--------	---	---

Attribute	Type	Mandatory	Description
			<p>Proprietary SDD reject reason codes:</p> <ul style="list-style-type: none"> - EQ01: Maximum number of rejected transactions exceeded. - EQ04: The creditor scheme ID is not registered for customer. - EQ05: The creditor scheme ID is not registered for account of customer.
downloadPain002Urls	Array of Strings	N	<p>Relative URL to where the pain.002 can be downloaded with more details on the status (when one or more pain.002 files are present). Only for SEPA Direct Debits. See also section 4.13.</p> <p>Relative URL follows format: "/v1/bulk-payments/pain.008-sepa-direct-debits/{payment-id}/payment-status-reports/{payment-status-report-id} "</p>

originalPaymentsInformationAndStatus	Array	Y	A list of original payments including payment information.
Array contains: originalPaymentInformationIdentification	String	Y	Unique identification, as assigned by the original sending party, to unambiguously identify the original payment information group i.e. Batch id.
paymentInformationStatus	String	N	
statusReasonInformation	String	N	Value of the attribute is conform to the ISO 20022 standard. See for possible values 'Groupstatus' earlier in this table.
transactionsInformationAndStatus	Array	N	Additional reason information for a specific status conform ISO20022 standard. See for possible values
Array contains: originalInstructionIdentification	String	N	'statusReasonInformation' earlier in this table.
originalEndToEndIdentification	String	N	List of transactions including detailed information.
transactionStatus	String	N	Unique identification, as assigned by the original instructing party for the original instructed party, to unambiguously identify the original instruction.
statusReasonInformation	String	N	Unique identification, as assigned by the original initiating party, to unambiguously identify the original transaction.
			Value of the attribute is conform to the ISO 20022 standard. See for possible values 'Groupstatus' earlier in this table.

Attribute	Type	Mandatory	Description
			Additional reason information for a specific status conform ISO20022 standard. See for possible value 'statusReasonInformation' earlier in this table

4.6.10 Example response

We give two examples: one for a JSON-based payment and one for a pain.001 XML-based payment.

```
HTTP/1.x 200 OK
```

```
Content-Type:      application/json
X-Request-ID:      99391c7e-ad88-49ec-a2ad-99ddcb1f7721
```

```
{
  "transactionStatus": "ACSC"
}
```

```
HTTP/1.x 200 OK
```

```
Content-Type:      application/json
X-Request-ID:      99391c7e-ad88-49ec-a2ad-99ddcb1f7721
```

```
{
  "originalMessageIdentification": "MIPI-123456789RI-123456789",
  "groupStatus": "RJCT",
  "statusReasonInformation": "AM04",
  "originalPaymentsInformationAndStatus": [
    {
      "originalPaymentInformationIdentification": "BIPI-123456789RI-123456789",
      "paymentInformationStatus": "RJCT",
      "statusReasonInformation": "AM04",
      "transactionsInformationAndStatus": [
        {
          "originalInstructionIdentification": "INNDNL2U20101004000042800000011",
          "originalEndToEndIdentification": "RCUR-0-40239498-369-2018-12-03",
          "transactionStatus": "RJCT",
          "statusReasonInformation": "AM04"
        }
      ]
    }
  ]
}
```

4.7 Payment initiation (execution) request

For Extended Payment Initiation Services like one-off deferred payments, the approval and execution of a are disjunct processes in the sense that the execution is done in a separate service call. This execution is referred to as the *initiation* of a one-off deferred payment.

By issuing a one-off deferred payment initiation request, the PISP explicitly requests the ASPSP to process the submitted credit transfer payment for which the PSU has given approval.

In the sub-sections to come, we will discuss at length the parts which make up this payment initiation endpoint.

4.7.1 Method and URL

Method	URL	Description
POST	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/deferred-payments/sepa-credit-transfers/{payment-id}/initiations	Payment initiation endpoint for the payment service one-off deferred payments as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.

4.7.2 Path parameters

Attribute	Type	Mandatory	Description
payment-id	String	Y	Attribute hosts the unique identification assigned by the ASPSP to the payment, when the initiation request was sent in by the PISP.

4.7.3 Query parameters

The payment initiation request endpoint does not have any query parameters.

4.7.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute contains the access token acquired by the PISP as a result of calling the token endpoint.

4.7.5 Request body

Attribute	Type	Mandatory	Description
paymentIdentification	PaymentIdentification*	N	Set of elements used to reference a payment instruction.

Attribute	Type	Mandatory	Description
instructedAmount	Amount*	Y	The amount must be equal to the amount submitted in the authorisation request.
remittanceInformationUnstructured	String	N	Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an UNSTRUCTURED form. Max140Text. remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that <i>"Either 'Structured' or 'Unstructured' may be present"</i> .
remittanceInformationStructured	String	N	Remittance information according to the list of Currence ("CUR") or ISO-20022 ("ISO"). Max35Text. remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that <i>"Either 'Structured' or 'Unstructured' may be present"</i> .

*For a data dictionary, see appendix 1.

4.7.6 Example request

```
POST https://psd.bancairediensten.nl/psd2/snsbank/v2/deferred-
payments/sepa-credit-transfers/757a1db2-1281-4c3c-9dab-
095977bab1ca/initiations
```

```
Content-Type: application/json
```

```
X-Request-ID: 99391c7e-ad88-49ec-a2ad-99ddcb1f7721
```

```
Authorization: Bearer <ACCESS_TOKEN>
```

```
{
  "instructedAmount": {
    "amount": "20.99",
    "currency": "EUR"
  },
  "paymentIdentification": {
```



```

    "endToEndId": "endToEnd12345",
    "instructionId": "instruction12345"
  },
  "remittanceInformationUnstructured": "payment for oodles of buns"
}

```

4.7.7 Response code

Code	Description
201	Created

4.7.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Location	String	Y	Location of the created resource.

4.7.9 Response body

Attribute	Type	Mandatory	Description
transactionStatus	String	Y	Value of the attribute is conform with the ISO 20022 ExternalPaymentTransactionStatus1Code list.
initiationId	String	Y	Unique identification of the payment initiation.
reasonCode	String	N	<p>Additional information on the reason for e.g. rejecting the request. This is the ExternalStatusReason1Code from ISO20022.</p> <p>Possible reason codes:</p> <ul style="list-style-type: none"> - AM04 (InsufficientFunds): The related funds are not available on the account. - AC05 (ClosedDebtorAccountNumber): Debtor account number closed. - AC06 (BlockedAccount): Account specified is blocked, prohibiting posting of transactions against it.

4.7.10 Example response

```

HTTP/1.x 201 Created
Content-Type:    application/json
X-Request-ID:    99391c7e-ad88-49ec-a2ad-99ddcb1f7756
Location:        /v2/deferred-payments/sepa-credit-transfers/757a1db2-
1281-4c3c-9dab-095977bab1ca/initiations/53b5d62b-bf0a-4fd5-89d5-
fa569f3f1495

```

```
{
  "transactionStatus": "ACSC",
  "initiationId": "53b5d62b-bf0a-4fd5-89d5-fa569f3f1495"
}
```

4.8 Get payment request

With the get payment endpoint, a PISP can request the payment details of an authorized payment.

4.8.1 Method and URL

Method	URL	Description
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/payments/sepa-credit-transfers/{payment-id}	Get payment endpoint for one-off payments and future dated payments as defined by the Berlin Group in the openFinance API Framework - XS2A API as PSD2 Interface Implementation Guidelines version 2.0.
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/deferred-payments/sepa-credit-transfers/{payment-id}	Get payment endpoint for one-off deferred payments as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/periodic-payments/sepa-credit-transfers/{payment-id}	ASN Bank-specific get payment endpoint for periodic payments .

4.8.2 Path parameters

Attribute	Type	Mandatory	Description
payment-id	String	Y	Attribute contains the unique identification of the payment.

4.8.3 Query parameters

The get payment endpoint does not have any query parameters.

4.8.4 Request header

Attribute	Type	Mandatory	Description
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).

Attribute	Type	Mandatory	Description
Authorization	String	Y	Attribute filled with the access-token as obtained in the token request call.

4.8.5 Request body

The get payment endpoint does not have a request body.

4.8.6 Example request

```
GET https://psd.bancairediensten.nl/psd2/snsbank/v2/payments/sepa-credit-transfers/b76aefal-d01c-4ab9-accb-54a394dc5e1b
X-Request-ID:      fdb9757d-8f27-4f9e-9be0-0eadacc89012
Authorization:      Bearer <ACCESS-TOKEN>
Content-Type:       application/json
```

4.8.7 Response code

Code	Description
200	OK

4.8.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute is invariably filled with the value "application/json".
X-Request-ID	UUID	Y	ID of the request obtained from the request header.

4.8.9 Response body

For **one-off payments**, **future dated payments** and **one-off deferred payments**:

Attribute	Type	Mandatory	Description
creditor	PartyDescription1*	Y	Attribute filled with a description of the creditor.
creditorAccount	Account Reference*	Y	Attribute filled with details of the creditor account.
instructedAmount	Amount*	Y	Attribute filled with details of the amount.

Attribute	Type	Mandatory	Description
remittanceInformationUnstructured	String	N	<p>Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an UNSTRUCTURED form.</p> <p>Max140Text.</p> <p>remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that "<i>Either 'Structured' or 'Unstructured' may be present</i>".</p>
remittanceInformationStructured	String	N	<p>Remittance information according to the list of Currence ("CUR") or ISO-20022 ("ISO").</p> <p>Max35Text.</p> <p>remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that "<i>Either 'Structured' or 'Unstructured' may be present</i>".</p>
issuerSRI	String	N	<p>The attribute <i>issuerSRI</i> is an ASN Bank-specific attribute required whenever the attribute <i>remittanceInformationStructured</i> is used.</p> <p>The attribute <i>issuerSRI</i> is not on the list of attributes as defined by the Berlin Group. It can, for instance, have the following values:</p> <ul style="list-style-type: none"> • CUR; • ISO. <p>Max35Text.</p>
ultimateCreditor	PartyDescription*	N	Ultimate party to which an amount of money is due.
creditorAgent	AgentDescription2*	N	Attribute filled with a description of the creditor agent.
paymentIdentification	PaymentIdentification*	N	Set of elements used to reference a payment instruction.

Attribute	Type	Mandatory	Description
debtorAccount	Account Reference*	Y	Attribute filled with details of the debtor account.
debtor	PartyDescription1*	Y	Attribute filled with a description of the debtor.
endDate	String	N	<p>The attribute <i>endDate</i> is a ASN Bank-specific field and is <u>not</u> allowed with one-off and future dated payments.</p> <p>The attribute <i>endDate</i> is <u>mandatory</u> for payments of the payment service one-off deferred payments. The <i>endDate</i> marks the ultimate date on which the PISP can submit a payment for execution by the ASPSP.</p> <p>Attribute <i>endDate</i> has the ISO 8601 Date format (YYYY-MM-DD).</p>
requestedExecutionDate	String	N	<p>Date at which the initiating party requests the clearing agent to process the payment.</p> <p>The attribute <i>requestedExecutionDate</i> is <u>not</u> allowed with payments of the payment service one-off deferred payments.</p> <p>The attribute <i>requestedEndDate</i> is <u>mandatory</u> for future dated payments.</p> <p>Attribute <i>requestedEndDate</i> has the ISO 8601 Date format (YYYY-MM-DD).</p>

*For a data dictionary, see appendix 1.

For **periodic payments**:

Attribute	Type	Mandatory	Description
debtorAccount	Account Reference*	Y	Attribute filled with details of the debtor account.
debtorName	String	N	Attribute contains the name of the debtor(s). If an account has a joint account holder, the name of the account holder and joint account holder are separated with ' CJ '. Max144Text.
instructedAmount	Amount*	Y	Attribute filled with details of the amount.
creditorAccount	Account Reference*	Y	Attribute filled with details of the creditor account.

Attribute	Type	Mandatory	Description
creditorAgent	String	N	Attribute filled with a BIC. ISO 20022 definition BIC: [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0-9]{3,3}){0,1}.
creditorName	String	Y	Party to which an amount of money is due. Max70Text.
endDate	String	N	The attribute <i>endDate</i> is optional for periodic payments. Note that ASN Bank also allows for periodic payments with no end date, the so-called infinite or perpetual payments. Attribute <i>endDate</i> has the ISO 8601 Date format (YYYY-MM-DD).
startDate	String	N	Attribute <i>startDate</i> has the ISO 8601 Date format (YYYY-MM-DD).
frequency	String	N	Enumeration: 1. Weekly 2. EveryFourWeeks 3. Monthly 4. Quarterly 5. SemiAnnual 6. Annual

*For a data dictionary, see appendix 1.

4.8.10 Example response

```

HTTP/1.x 200 OK
Content-Type: application/json
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012
{
  "instructedAmount": {
    "amount": "20.99",
    "currency": "EUR"
  },
  "debtor": {
    "name": "Z H van der Zee"
  },
  "debtorAccount": {
    "iban": "NL64MAART0948305290",
    "currency": "EUR"
  },
  "creditorAccount": {
    "iban": "NL55WIND0000012345",

```

```

    "currency": "EUR"
  },
  "creditor": {
    "name": "A B Janssen"
  },
  "creditorAgent": {
    "financialInstitutionId": {
      "bicfi": "INGBNL2A"
    }
  },
  "remittanceInformationStructured": "1234 5678 9012 3456",
  "issuerSRI": "CUR",
  "ultimateCreditor": {
    "name": "bol.com",
    "identification": {
      "organisationId": {
        "lei": "724500PI68UVLK7E3S11"
      }
    }
  },
  "paymentIdentification": {
    "endToEndId": "endToEnd1234",
    "instructionId": "instruction1234"
  },
  "endDate": "2023-12-20"
}

```

4.9 Get payment initiations request

With the get payment initiations endpoint, a PISP can request the payment initiations (executions) belonging to a deferred payment authorisation.

ASN Bank only supports one-off deferred payments; at most one initiation will belong to a payment authorization.

4.9.1 Method and URL

Method	URL	Description
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/deferred-payments/sepa-credit-transfers/{payment-id}/initiations	Get initiations payment endpoint for one-off deferred payments as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.

4.9.2 Path parameters

Attribute	Type	Mandatory	Description
payment-id	String	Y	Attribute contains the unique identification of the payment.

4.9.3 Query parameters

Attribute	Type	Mandatory	Description
transactionStatus	String	N	Will provide all available initiation objects where the transactionStatus equals the requested value.
dateFrom	String	N	Will provide all available initiation objects where the execution date is later than or equal to the addressed date.

4.9.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute contains the access token acquired by the PISP as a result of calling the token endpoint.

4.9.5 Request body

The get payment initiations endpoint does not have a request body.

4.9.6 Example request

```
GET https://psd.bancairediensten.nl/psd2/snsbank/v2/deferred-payments/sepa-credit-transfers/b76aefal-d01c-4ab9-accb-54a394dc5e1b/initiations?dateFrom=2023-10-21
```

```
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012
```

```
Authorization: Bearer <ACCESS-TOKEN>
```

```
Content-Type: application/json
```


4.9.7 Response code

Code	Description
200	OK

4.9.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute is invariably filled with the value "application/json".
X-Request-ID	UUID	Y	ID of the request obtained from the request header.

4.9.9 Response body

Attribute	Type	Mandatory	Description
initiations	Array of Initiation	Y	List of initiations related to the addressed payment.

An Initiation contains:

Attribute	Type	Mandatory	Description
initiationId	String	Y	Resource identification of the addressed payment initiation.
instructedAmount	Amount*	Y	Attribute filled with details of the amount.
transactionStatus	String	Y	Value of the attribute is conform to the ISO 20022 ExternalPaymentTransactionStatus1Code list. The following codes are used by the Berlin Group for one-off deferred payment initiations: <ul style="list-style-type: none">- ACCC (accepted settlement completed, settlement on the creditor's account has been completed)- ACSC (accepted settlement completed, settlement on the debtor's account has been completed)- RJCT (rejected, e.g. if no funds available)
_links	Links	Y	Links of href type "paymentInitiation"

*For a data dictionary, see appendix 1.

4.9.10 Example response

```
HTTP/1.x 200 OK
Content-Type: application/json
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012
{
```

```

"initiations": [{
  "initiationId": "14aa2bc2-3512-4012-9a42-3cee3048edba",
  "instructedAmount": {
    "amount": "20.99",
    "currency": "EUR"
  },
  "transactionStatus": "ACCC",
  "_links": {
    "paymentInitiation": {"href":
"https://psd.bancairediensten.nl/psd2/snsbank/v2/deferred-payments/sepa-
credit-transfers/b76aefal-d01c-4ab9-accb-54a394dc5e1b
/initiations/14aa2bc2-3512-4012-9a42-3cee3048edba"}
  }
}]
}

```

4.10 Get payment initiation request

With the get payment initiation endpoint, a PISP can request the payment initiation (execution) details for a specific payment initiation belonging to a one-off deferred payment authorisation.

4.10.1 Method and URL

Method	URL	Description
GET	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/deferred-payments/sepa-credit-transfers/{payment-id}/initiations/{initiation-id}	Get payment initiation endpoint for one-off deferred payments as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.

4.10.2 Path parameters

Attribute	Type	Mandatory	Description
payment-id	String	Y	Attribute contains the unique identification of the payment.
initiation-id	String	Y	Resource identification of the addressed payment initiation.

4.10.3 Query parameters

The get payment initiation endpoint does not have any query parameters.

4.10.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute contains the access token acquired by the PISP as a result of calling the token endpoint.

4.10.5 Request body

The get payment initiation endpoint does not have a request body.

4.10.6 Example request

```
GET https://psd.bancairediensten.nl/psd2/snsbank/v2/deferred-
payments/sepa-credit-transfers/b76aefa1-d01c-4ab9-accb-54a394dc5e1b
/initiations/14aa2bc2-3512-4012-9a42-3cee3048edba
```

X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012

Authorization: Bearer <ACCESS-TOKEN>

4.10.7 Response code

Code	Description
200	OK

4.10.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute is invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	ID of the request obtained from the request header.

4.10.9 Response body

Attribute	Type	Mandatory	Description
instructedAmount	Amount*	Y	Attribute filled with details for the amount.

Attribute	Type	Mandatory	Description
remittanceInformationUnstructured	String	N	<p>Information supplied to enable the matching/reconciliation of an entry with the items that the payment is intended to settle, such as commercial invoices in an accounts' receivable system, in an UNSTRUCTURED form.</p> <p>Max140Text.</p> <p>remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that <i>"Either 'Structured' or 'Unstructured' may be present"</i>.</p>
remittanceInformationStructured	String	N	<p>Remittance information according to the list of Currence ("CUR") or ISO-20022 ("ISO").</p> <p>Max35Text.</p> <p>remittanceInformationUnstructured and remittanceInformationStructured attributes are mutually exclusive in accordance with the EPC rule stating that <i>"Either 'Structured' or 'Unstructured' may be present"</i>.</p>
issuerSRI	String	N	<p>The attribute <i>issuerSRI</i> is an ASN Bank-specific attribute required whenever the attribute <i>remittanceInformationStructured</i> is used.</p> <p>The attribute <i>issuerSRI</i> is not on the list of attributes as defined by the Berlin Group. It can, for instance, have the following values:</p> <ul style="list-style-type: none"> • CUR; • ISO. <p>Max35Text.</p>
paymentIdentification	PaymentIdentification*	N	Set of elements used to reference a payment instruction.

Attribute	Type	Mandatory	Description
transactionStatus	String	N	<p>Value of the attribute is conform to the ISO 20022 ExternalPaymentTransactionStatus1Code list.</p> <p>The following codes are used by the Berlin Group for one-off deferred payment initiations:</p> <ul style="list-style-type: none"> - ACCC (accepted settlement completed, settlement on the creditor's account has been completed) - ACSC (accepted settlement completed, settlement on the debtor's account has been completed) - RJCT (rejected, e.g. if no funds available)

*For a data dictionary, see appendix 1.

4.10.10 Example response

```

HTTP/1.x 200 OK
Content-Type: application/json
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012
{
  "instructedAmount": {
    "amount": "20.99",
    "currency": "EUR"
  },
  "remittanceInformationStructured": "1234 5678 9012 3456",
  "issuerSRI": "CUR",
  "paymentIdentification": {
    "endToEndId": "endToEnd1234",
    "instructionId": "instruction1234"
  },
  "transactionStatus": "ACCC"
}

```

4.11 Get payment initiation status request

With the get payment initiation status endpoint, a PISP can request the status of the payment initiation (execution) of a one-off deferred payment authorisation.

4.11.1 Method and URL

Method	URL	Description
GET	<code>https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/deferred-payments/sepa-credit-transfers/{payment-id}/initiations/{initiation-id}/status</code>	Get payment initiation status endpoint for one-off deferred payments as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.

4.11.2 Path parameters

Attribute	Type	Mandatory	Description
payment-id	String	Y	Attribute contains the unique identification of the payment.
initiation-id	String	Y	Resource identification of the addressed payment initiation.

4.11.3 Query parameters

The get payment initiation status endpoint does not have any query parameters.

4.11.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute consists of <i>client_id</i> : identification of the PISP as registered with ASN Bank.

4.11.5 Request body

The get payment initiation status endpoint does not have a request body.

4.11.6 Example request

```
GET https://psd.bancairediensten.nl/psd2/snsbank/v2/deferred-payments/sepa-credit-transfers/b76aefa1-d01c-4ab9-accb-54a394dc5e1b/initiations/14aa2bc2-3512-4012-9a42-3cee3048edba/status
X-Request-ID:      fdb9757d-8f27-4f9e-9be0-0eadacc89012
Authorization:     76ecb561-fef3-4391-aeff-6135510cdefe
Content-Type:      application/json
```

4.11.7 Response code

Code	Description
200	OK

4.11.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute is invariably filled with the value "application/json".
X-Request-ID	UUID	Y	ID of the request obtained from the request header.

4.11.9 Response body

Attribute	Type	Mandatory	Description
transactionStatus	String	Y	<p>Value of the attribute is conform to the ISO 20022</p> <p>ExternalPaymentTransactionStatus1Code list.</p> <p>The following codes are used by the Berlin Group for one-off deferred payment initiations:</p> <ul style="list-style-type: none">- ACCC (accepted settlement completed, settlement on the creditor's account has been completed)- ACSC (accepted settlement completed, settlement on the debtor's account has been completed)- RJCT (rejected, e.g. if no funds available)
reasonCode	String	N	<p>Additional information on the reason for e.g. rejecting the request. This is the ExternalStatusReason1Code from ISO20022.</p> <p>Examples of possible reason codes:</p> <ul style="list-style-type: none">- AM04 (InsufficientFunds): The related funds are not available on the account.- AC05 (ClosedDebtorAccountNumber): Debtor account number closed.- AC06 (BlockedAccount): Account specified is blocked, prohibiting posting of transactions against it.

4.11.10 Example response

```
HTTP/1.x 200 OK
Content-Type: application/json
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89012
```

```
{
  "transactionStatus": "ACSC"
}
```

4.12 Cancel payment request

With the cancel payment endpoint, a PISP can cancel a payment approved by the PSU. Only a future dated, one-off deferred payment or a bulk payment can be cancelled. A one-off payment is executed immediately after authorization is given and can therefore not be cancelled.

The cancellation of a one-off deferred payment cancels the authorisation for the payment, since the initiation of the execution of the payment is the responsibility of the PISP. Once the payment is executed, the payment authorisation can no longer be cancelled.

4.12.1 Method and URL

Method	URL	Description
DELETE	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/payments/sepa-credit-transfers/{payment-id}	Cancel payment endpoint for future dated payments as defined by the Berlin Group in the openFinance API Framework - XS2A API as PSD2 Interface Implementation Guidelines version 2.0.
DELETE	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v2/deferred-payments/sepa-credit-transfer/{payment-id}	Cancel payment endpoint for one-off deferred payments as defined by the Berlin Group in the openFinance API Framework - Implementation Guidelines for Extended Services version 1.0.
DELETE	https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/bulk-payments/pain.001-sepa-credit-transfer/{payment-id}	Cancel payment endpoint as defined by the Berlin Group in the implementation guide version 1.3 for the payment service bulk payments .

4.12.2 Path parameters

Attribute	Type	Mandatory	Description
payment-id	String	Y	Attribute hosts the unique identification assigned by the ASPSP to the payment, when the initiation request was sent in by the PISP.

4.12.3 Query parameters

The cancel payment endpoint does not have any query parameters.

4.12.4 Request header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute filled with the <i>client_id</i> : identification of the PISP as registered with ASN Bank.

4.12.5 Request body

The cancel payment endpoint does not have a request body.

4.12.6 Example request

```
DELETE https://psd.bancairediensten.nl/psd2/snsbank/v2/payments/sepa-credit-transfers/96435e68-24cf-4dda-b1c6-e0ff3bbd0e03
Content-Type:      application/json
X-Request-ID:      fdb9757d-8f27-4f9e-9be0-0eadacc89012
Authorization:      Bearer <ACCESS_TOKEN>
```

4.12.7 Response code

Code	Description
204	No Content

4.12.8 Response header

Attribute	Type	Mandatory	Description
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/json"</i> .
X-Request-ID	UUID	Y	ID of the request obtained from the request header.

4.12.9 Response body

The cancel payment endpoint does not have a response body.

4.12.10 Example response

```
HTTP/1.x 204 No Content
Content-Type:      application/json
X-Request-ID:      fdb9757d-8f27-4f9e-9be0-0eadacc89012
```

4.13 Get payment status report request

When a SEPA Direct Debit is rejected, a pain.002 rejection file is generated. With this endpoint, the pain.002 file can be retrieved by the PISP. From 17 March 2024 onwards, these are pain.002.001.10 files.

4.13.1 Method and URL

Method	URL	Description
GET	<code>https://psd.bancairediensten.nl/psd2/[snsbank asnbank regiobank]/v1/bulk-payments/pain.008-sepa-direct-debits/{payment-id}/payment-status-reports/{payment-status-report-id}</code>	Endpoint for retrieving the pain.002 XML rejection file for the service SEPA Direct Debits .

4.13.2 Path parameters

Attribute	Type	Mandatory	Description
payment-id	UUID	Y	Attribute hosts the unique identification assigned by the ASPSP to the payment, when the initiation request was sent in by the PISP.
payment-status-report-id	UUID	Y	Attribute filled with the ID of the payment status report/pain.002 XML rejection file, as returned in the response of a transaction status call of a SEPA Direct Debit (only returned if present – see also section 4.6).

4.13.3 Query parameters

The payment status report endpoint does not have any query parameters.

4.13.4 Request header

Attribute	Type	Mandatory	Description
X-Request-ID	UUID	Y	Attribute filled with the ID of the request, unique to the call, as determined by the initiating party (the PISP).
Authorization	String	Y	Attribute filled with the access-token as obtained in the token request call.

4.13.5 Request body

The payment status report endpoint does not have a request body.

4.13.6 Example request

```
GET https://psd.bancairediensten.nl/psd2/snsbank/v1/bulk-payments/pain.008-sepa-direct-debits/1bba72b6-0b44-47c1-bfa5-32ae6bd53520/payment-status-reports/7d9601f8-1a59-4649-9542-a1d6742f4d0f
X-Request-ID:      fdb9757d-8f27-4f9e-9be0-0eadacc89017
Authorization:      Bearer <ACCESS-TOKEN>
```

4.13.7 Response code

Code	Description
200	OK

4.13.8 Response header

Attribute	Type	Mandatory	Description
Content-Disposition	String	Y	Header indicating that the file should be downloaded with a suggested filename.
Content-Type	String	Y	Attribute invariably filled with the value <i>"application/xml"</i> .
X-Request-ID	UUID	Y	ID of the request obtained from the request header.

4.13.9 Response body

The response of a payment status report call contains an XML (not JSON) of the full pain.002 as received from Worldline.

4.13.10 Example response

```
HTTP/1.x 200 OK
Content-Disposition: attachment;
filename="PAIN.002.001.03.4bddb96167104433999597ecfcb8074e.2023-05-01"
Content-Type: application/xml
X-Request-ID: fdb9757d-8f27-4f9e-9be0-0eadacc89017

<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="urn:iso:std:iso:20022:tech:xsd:pain.002.001.03">
  <CstmrPmtStsRpt>
    <GrpHdr>
      <MsgId>12345</MsgId>
      <CreDtTm>2022-09-25T16:07:00Z</CreDtTm>
    </GrpHdr>
    <OrgnlGrpInfAndSts>
      <OrgnlMsgId>54321</OrgnlMsgId>
      <OrgnlMsgNmId>pain.008.001.02</OrgnlMsgNmId>
      <OrgnlNbOfTxes>10</OrgnlNbOfTxes>
      <OrgnlCtrlSum>100</OrgnlCtrlSum>
    </OrgnlGrpInfAndSts>
    <OrgnlPmtInfAndSts>
      <OrgnlPmtInfId>13040576.500272</OrgnlPmtInfId>
      <OrgnlNbOfTxes>10</OrgnlNbOfTxes>
```

```

        <OrgnlCtrlSum>100</OrgnlCtrlSum>
        <PmtInfSts>RJCT</PmtInfSts>
        <StsRsnInf>
            <Orgtr>
                <Id>
                    <OrgId>
                        <BICOrBEI>INNDNL2U</BICOrBEI>
                    </OrgId>
                </Id>
            </Orgtr>
            <Rsn>
                <Cd>EQ04</Cd>
            </Rsn>
        </StsRsnInf>
    </OrgnlPmtInfAndSts>
</CstmrPmtStsRpt>
</Document>

```

4.14 Error handling

4.14.1 HTTP error codes

The possible HTTP error codes that are returned and their meaning can be found in the table below.

Code	Description
400	Bad request The server cannot or will not process the request due to something that is perceived to be a client error (e.g., malformed request syntax, invalid request message framing, or deceptive request routing).
401	Unauthorized The request has not been applied because it lacks valid authentication credentials for the target resource.
403	Forbidden The server understood the request but refuses to authorize it.
404	Not found The origin server did not find a current representation for the target resource or is not willing to disclose that one exists.
406	Not acceptable Cannot generate the content that is specified in the Accept header.
415	Unsupported media type The supplied media type is not supported

Code	Description
500	Internal server error The server encountered an unexpected condition that prevented it from fulfilling the request.

4.14.2 Additional error information

Errors will be accompanied by additional information in the form of `tppMessages`. These look like this:

Attribute	Type	Mandatory	Description
category	String	Y	Error category. Always filled with "ERROR".
code	String	Y	Error code. See table below for possible codes.
text	String	Y	Details of the error. See table below for possible text values.
additionalErrors Array contains:	Array	N	A list for additional error information.
code	String		Error code.
text	String		Extra information regarding the error.

Examples:

```
[
  {
    "category": "ERROR",
    "code": "FORMAT_ERROR",
    "text": "The format of input is not valid."
  }
]

[
  {
    "category" : "ERROR",
    "code" : "FORMAT_ERROR",
    "text" : "Validation failed, see additionalErrors property for more details."
    "additionalErrors": {
      "code" : "AM16"
      "text" : "InvalidGroupControlSum in msgid.batchId2"
    }
  }
]
```

The table below shows the various codes and texts that might be returned.

HTTP status	Category	Code	Text
400	ERROR	FORMAT_ERROR	{text message indicating a specific input error}
400	ERROR	PAYMENT_FAILED	{text message indicating that a payment execution failed}
401	ERROR	CONSENT_INVALID	{text message indicating that the attempted operation is not allowed for the payment consent due to various reasons, like an invalid status of the payment consent}
403	ERROR	SERVICE_BLOCKED	This account's master switch is switched off.
403	ERROR	RESOURCE_UNKNOWN	{text indicating that the requested resource could not be found}
404	ERROR	RESOURCE_UNKNOWN	{text indicating that the requested resource could not be found}
500	ERROR	INTERNAL_SERVER_ERROR	An internal server error occurred.

Bulk payments: Additional error ISO20022 reject reason codes after initiation of an XML pain.001 file.

AM02 NotAllowedAmount
AM16 InvalidGroupControlSum
AM19 InvalidGroupNumberOfTransactions
AM17 InvalidPaymentInfoControlSum
AM20 InvalidPaymentInfoNumberOfTransactions
AC02 InvalidDebtorAccountNumber
CH03 RequestedExecutionDateOrRequestedCollectionDateTooFarInFuture
DU02 DuplicatePaymentInformationID: - Payment Information Block is not unique within a file
AC03 InvalidCreditorAccountNumber
CNOR CreditorBankIsNotRegistered
RR09 InvalidStructuredCreditorReference - Unstructured Remittance is also used - Issuer and Creditor reference should both have a value - Issuer code is invalid - Credit reference must be numeric if Issuer code = 'CUR' - Credit reference must start with RF and must be alphanumeric if Issuer code = 'ISO' - Credit reference lengthcode is incorrect (in case Issuer code = 'CUR') - Credit reference length is incorrect - Credit reference checksum digit is incorrect

SEPA Direct Debits: Additional error ISO20022 reject reason codes after initiation of an XML pain.008 file.

AC02 InvalidDebtorAccountNumber
AC03 InvalidCreditorAccountNumber
AM02 NotAllowedAmount
AM16 InvalidGroupControlSum
AM17 InvalidPaymentInfoControlSum
AM19 InvalidGroupNumberOfTransactions
AM20 InvalidPaymentInfoNumberOfTransactions
CH03 RequestedExecutionDateOrRequestedCollectionDateTooFarInFuture
CH04 RequestedExecutionDateOrRequestedCollectionDateTooFarInPast
DU01 DuplicateMessageId
DU02 DuplicatePaymentInformationId
DS0H NotAllowedAccount
MS03 NotSpecifiedReasonAgentGenerated

4.14.3 Redirect error codes

The possible redirect errors that are returned to the third party with the error description and error code.

Category	Error code	Error description
ERROR	DS24	Waiting time expired due to incomplete order
ERROR	DS02	An authorized user has cancelled the order
ERROR	AM04	Insufficient funds or account blocked
ERROR	TKVE	Token found with value limit rule violation
ERROR	MS03	Miscellaneous reason
ERROR	AG03	Services not supported/authorized on any account
ERROR	AC01	Account number is invalid or missing
ERROR	AG01	Transaction forbidden on this type of account
ERROR	DU01	Message Identification is not unique for this user
ERROR	AM14	Transaction amount exceeds limits agreed between bank and client

Appendix 1: Data Dictionary

AccountReference

Attribute	Type	Mandatory	Description
iban	String	Y	Attribute <i>iban</i> is part of the object <i>Account Reference</i> as defined by the Berlin Group. ISO 20022 pattern: [A-Z]{2,2}[0-9]{2,2}[a-zA-Z0-9]{1,30}.
currency	String	N	Attribute <i>currency</i> is part of the object <i>Account Reference</i> as defined by the Berlin Group. ISO 4217 Alpha 3 currency code.

AgentDescription2

Attribute	Type	Mandatory	Description
financialInstitutionId	FinancialInstitutionIdentification1	Y	

Amount

Attribute	Type	Mandatory	Description
currency	String	Y	Attribute <i>currency</i> is part of the object <i>Amount</i> as defined by the Berlin Group. Should be EUR. ISO 4217 Alpha 3 currency code.
amount	String	Y	Attribute <i>amount</i> is part of the object <i>Amount</i> as defined by the Berlin Group. The amount is given with fractional digits, if needed. The decimal separator is a dot (.). The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

FinancialInstitutionIdentification1

Attribute	Type	Mandatory	Description
bicfi	BICFI	Y	bicfi is a String that follows the ISO 20022 definition: [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0-9]{3,3}){0,1}.

OrganisationIdentification

Attribute	Type	Mandatory	Description
anyBIC	String	N	ISO 20022 definition: [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0-9]{3,3}){0,1}.)
lei	String	N	Min20Text, Max20Text

Attribute	Type	Mandatory	Description
others	Array of OtherIdentification	-	ASN Bank does not support the use of others.

Only one of the properties is allowed.

PartyDescription

Attribute	Type	Mandatory	Description
name	String	N	Name of the party. Max70Text.
identification	PartyIdentification	N	Identification of the party.

PartyDescription1

Attribute	Type	Mandatory	Description
name	String	Y	Name of the party. Max70Text.

PartyIdentification

Attribute	Type	Mandatory	Description
organisationId	OrganisationIdentification	N	An entry provided by an external ISO code list.
privateId	PrivateIdentification	N	ASN Bank does not support the use of privateId

PaymentIdentification

Attribute	Type	Mandatory	Description
endToEndId	String	N	Max35Text
instructionId	String	N	Max35Text