



CancelPayment

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1 CancelPayment

1.1 API Functionality

The API allows a NPP Participant client (customer or Overlay Service Provider) to request the NPP Participant to return a previously submitted payment.

Outline

The CancelPayment API is composed of 2 BuildingBlocks:

- A. Request
 - HTTP request sent by the API Client.
- B. Response
 - Response to a customer payment cancellation request.

1.2 Structure

Or	Element/BuildingBlock	Mult.	Type	Constr. No.	Page
	<i>Root</i>	[1..1]			
	Request	[0..1]		C2, C3, C5, C6	5
	CreationDateTime	[1..1]	DateTime		7
	OriginalInstructionIdentification	[1..1]	Text		7
	OriginalEndToEndIdentification	[1..1]	Text		7
	OriginalTransactionIdentification	[0..1]	Text		7
	CancellationReasonCode	[1..1]	CodeSet		7
	CancellationReasonNarration	[0..1]	Text		7
	OriginalInstructedAmount	[0..1]	Amount	C1, C4	7
	OriginalDebtorName	[1..1]	Text		8
	DebtorAliasType	[0..1]	CodeSet		8
	DebtorAliasValue	[0..1]	Text		8
	DebtorAccountIdentification	[0..1]	Text		8
	DebtorAccountType	[0..1]	CodeSet		9
	OriginalCreditorName	[1..1]	Text		9
	CreditorAliasType	[0..1]	CodeSet		9
	CreditorAliasValue	[0..1]	Text		9
	CreditorAccountIdentification	[0..1]	Text		9
	CreditorAccountType	[0..1]	CodeSet		9
	Response	[0..1]			9
	CancellationStatus	[1..1]	CodeSet		10
	CancellationStatusReasonCode	[0..1]	CodeSet		10
	CancellationStatusDescription	[0..1]	Text		10
	CancellationAcceptanceDateTime	[0..1]	DateTime		10
	CasIdentification	[0..1]	Text		11

1.3 Constraints

C1 ActiveOrHistoricCurrency

The Currency Code must be registered, or have already been registered. Valid active or historic currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3)

contiguous letters, and may be or not be withdrawn on the day the message containing the Currency is exchanged.

C2 CreditorAccountTypeRule

If /CreditorAccountType is present then /CreditorAccountIdentification must be present.

C3 CreditorAliasTypeRule

If /CreditorAliasType is present then /CreditorAliasValue must be present.

C4 CurrencyAmount

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

C5 DebtorAccountTypeRule

If /DebtorAccountType is present then /DebtorAccountIdentification must be present.

C6 DebtorAliasTypeRule

If /DebtorAliasType is present then /DebtorAliasValue must be present.

1.4 Building Blocks

This chapter describes the BuildingBlocks of this API.

1.4.1 Request

Presence: [0..1]

Definition: HTTP request sent by the API Client.

Impacted by: C2 "CreditorAccountTypeRule", C3 "CreditorAliasTypeRule", C5 "DebtorAccountTypeRule", C6 "DebtorAliasTypeRule"

Request contains the following **PaymentCancellationRequest2** elements

Or	Element	Mult.	Type	Constr. No.	Page
	CreationDateTime	[1..1]	DateTime		7
	OriginalInstructionIdentification	[1..1]	Text		7
	OriginalEndToEndIdentification	[1..1]	Text		7
	OriginalTransactionIdentification	[0..1]	Text		7
	CancellationReasonCode	[1..1]	CodeSet		7
	CancellationReasonNarration	[0..1]	Text		7
	OriginalInstructedAmount	[0..1]	Amount	C1, C4	7
	OriginalDebtorName	[1..1]	Text		8
	DebtorAliasType	[0..1]	CodeSet		8
	DebtorAliasValue	[0..1]	Text		8
	DebtorAccountIdentification	[0..1]	Text		8
	DebtorAccountType	[0..1]	CodeSet		9
	OriginalCreditorName	[1..1]	Text		9
	CreditorAliasType	[0..1]	CodeSet		9
	CreditorAliasValue	[0..1]	Text		9
	CreditorAccountIdentification	[0..1]	Text		9
	CreditorAccountType	[0..1]	CodeSet		9

Constraints

- **CreditorAccountTypeRule**

If /CreditorAccountType is present then /CreditorAccountIdentification must be present.

On Condition

 /CreditorAccountType is present

Following Must be True

 /CreditorAccountIdentification Must be present

- **CreditorAliasTypeRule**

If /CreditorAliasType is present then /CreditorAliasValue must be present.

On Condition

 /CreditorAliasType is present

Following Must be True

 /CreditorAliasValue Must be present

- **DebtorAccountTypeRule**

If /DebtorAccountType is present then /DebtorAccountIdentification must be present.

On Condition

 /DebtorAccountType is present

Following Must be True

 /DebtorAccountIdentification Must be present

- **DebtorAliasTypeRule**

If /DebtorAliasType is present then /DebtorAliasValue must be present.

On Condition

/DebtorAliasType is present

Following Must be True

/DebtorAliasValue Must be present

1.4.1.1 CreationDateTime

Presence: [1..1]

Definition: Date and time at which the request was created.

Datatype: "ISODatetime" on page 14

1.4.1.2 OriginalInstructionIdentification

Presence: [1..1]

Definition: Unique identification, as assigned by the original instructing party for the original instructed party, to unambiguously identify the original instruction.

Datatype: "Max35Text" on page 15

1.4.1.3 OriginalEndToEndIdentification

Presence: [1..1]

Definition: Unique identification, as assigned by the original initiating party, to unambiguously identify the original transaction.

Datatype: "Max35Text" on page 15

1.4.1.4 OriginalTransactionIdentification

Presence: [0..1]

Definition: Unique identification of the original transaction.

Datatype: "Max35Text" on page 15

1.4.1.5 CancellationReasonCode

Presence: [1..1]

Definition: Reason for the cancellation request, in a coded form.

Datatype: "ExternalCancellationReason1Code" on page 13

1.4.1.6 CancellationReasonNarration

Presence: [0..1]

Definition: Reason for the cancellation request, in a proprietary form.

Datatype: "Max35Text" on page 15

1.4.1.7 OriginalInstructedAmount

Presence: [0..1]

Definition: Amount of money, as provided in the original transaction, to be moved between the debtor and the creditor, before deduction of charges, expressed in the currency, as ordered by the original initiating party.

Usage: This amount has to be transported unchanged through the transaction chain.

Impacted by: C1 "ActiveOrHistoricCurrency", C4 "CurrencyAmount"

Datatype: "ActiveOrHistoricCurrencyAndAmount" on page 12

Constraints

- **ActiveOrHistoricCurrency**

The Currency Code must be registered, or have already been registered. Valid active or historic currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and may be or not be withdrawn on the day the message containing the Currency is exchanged.

- **CurrencyAmount**

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

1.4.1.8 OriginalDebtorName

Presence: [1..1]

Definition: Name of Debtor as provided in the original payment instruction.

Datatype: "Max140Text" on page 15

1.4.1.9 DebtorAliasType

Presence: [0..1]

Definition: Specifies the type of alias identifier, in a coded form as published in an external list. The same value may have been provided in the original payment instruction.

Datatype: "ExternalAliasType1Code" on page 13

1.4.1.10 DebtorAliasValue

Presence: [0..1]

Definition: Specifies the value of the Debtor alias identifier. The same value may have been provided in the original payment instruction.

Datatype: "Max2048Text" on page 15

1.4.1.11 DebtorAccountIdentification

Presence: [0..1]

Definition: Specifies the identification of the Creditor account. The same value may have been provided in the original payment instruction.

Datatype: "Max34Text" on page 15

1.4.1.12 DebtorAccountType

Presence: [0..1]

Definition: Name of the account identification identification scheme, in a coded form as published in an external list. The same value may have been provided in the original payment instruction.

Datatype: "ExternalAccountIdentification1Code" on page 13

1.4.1.13 OriginalCreditorName

Presence: [1..1]

Definition: Name of Creditor as provided in the original payment instruction.

Datatype: "Max140Text" on page 15

1.4.1.14 CreditorAliasType

Presence: [0..1]

Definition: Specifies the type of alias identifier, in a coded form as published in an external list. The same value may have been provided in the original payment instruction.

Datatype: "ExternalAliasType1Code" on page 13

1.4.1.15 CreditorAliasValue

Presence: [0..1]

Definition: Specifies the value of the Creditor alias identifier. The same value may have been provided in the original payment instruction.

Datatype: "Max2048Text" on page 15

1.4.1.16 CreditorAccountIdentification

Presence: [0..1]

Definition: Specifies the identification of the Creditor account. The same value may have been provided in the original payment instruction.

Datatype: "Max34Text" on page 15

1.4.1.17 CreditorAccountType

Presence: [0..1]

Definition: Name of the account identification identification scheme, in a coded form as published in an external list. The same value may have been provided in the original payment instruction.

Datatype: "ExternalAccountIdentification1Code" on page 13

1.4.2 Response

Presence: [0..1]

Definition: Response to a customer payment cancellation request.

Response contains the following **PaymentCancellationResponse2** elements

Or	Element	Mult.	Type	Constr. No.	Page
	CancellationStatus	[1..1]	CodeSet		10
	CancellationStatusReasonCode	[0..1]	CodeSet		10
	CancellationStatusDescription	[0..1]	Text		10
	CancellationAcceptanceDateTime	[0..1]	DateTime		10
	CasIdentification	[0..1]	Text		11

1.4.2.1 CancellationStatus

Presence: [1..1]

Definition: Specifies the status of a cancellation request, in a coded form.

Datatype: "CancellationStatus6Code" on page 13

CodeName	Name	Definition
PACK	Accepted	Cancellation instruction / request has been received and has been acknowledged / accepted for further processing.
REJT	Rejected	Cancellation instruction / request has been rejected / denied for further processing.
CANP	Pending	Cancellation instruction / request is pending. It is not known at this time whether cancellation can be effected.

1.4.2.2 CancellationStatusReasonCode

Presence: [0..1]

Definition: Reason for the cancellation status, as published in an external reason code list.

Datatype: "ExternalStatusReason1Code" on page 14

1.4.2.3 CancellationStatusDescription

Presence: [0..1]

Definition: Further details on the cancellation status reason.

Datatype: "Max105Text" on page 14

1.4.2.4 CancellationAcceptanceDateTime

Presence: [0..1]

Definition: Point in time when the cancellation request from the initiating party meets the processing conditions of the account servicing agent.

Datatype: "ISODatetime" on page 14

1.4.2.5 CaseIdentification

Presence: [0..1]

Definition: Uniquely identifies the case as assigned by the Debtor Agent.

Datatype: "Max35Text" on page 15

2 Types

2.1 Datatypes

2.1.1 Amount

2.1.1.1 ActiveOrHistoricCurrencyAndAmount

Definition: A number of monetary units specified in an active or a historic currency where the unit of currency is explicit and compliant with ISO 4217.

Type: Amount

This data type contains the following attribute:

Name	Datatype
Currency	"ActiveOrHistoricCurrencyCode" on page 12

Format

minInclusive	0
totalDigits	18
fractionDigits	5

Constraints

- **ActiveOrHistoricCurrency**

The Currency Code must be registered, or have already been registered. Valid active or historic currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and may be or not be withdrawn on the day the message containing the Currency is exchanged.

- **CurrencyAmount**

The number of fractional digits (or minor unit of currency) must comply with ISO 4217.

Note: The decimal separator is a dot.

2.1.2 CodeSet

2.1.2.1 ActiveOrHistoricCurrencyCode

Definition: A code allocated to a currency by a Maintenance Agency under an international identification scheme, as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds".

Type: CodeSet

Format

pattern	[A-Z]{3,3}
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Constraints

- **ActiveOrHistoricCurrency**

The Currency Code must be registered, or have already been registered. Valid active or historic currency codes are registered with the ISO 4217 Maintenance Agency, consist of three (3) contiguous letters, and may be or not be withdrawn on the day the message containing the Currency is exchanged.

2.1.2.2 CancellationStatus6Code

Definition:

Type: CodeSet

CodeName	Name	Definition
PACK	Accepted	Cancellation instruction / request has been received and has been acknowledged / accepted for further processing.
REJT	Rejected	Cancellation instruction / request has been rejected / denied for further processing.
CANP	Pending	Cancellation instruction / request is pending. It is not known at this time whether cancellation can be effected.

2.1.2.3 ExternalAccountIdentification1Code

Definition: Specifies the external account identification scheme name code in the format of character string with a maximum length of 4 characters.

The list of valid codes is an external code list published separately.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength	1
maxLength	4

2.1.2.4 ExternalAliasType1Code

Definition: Specifies the alias type as published in an external code list.

Type: CodeSet

Format

minLength	1
maxLength	4

2.1.2.5 ExternalCancellationReason1Code

Definition: Specifies the cancellation reason, as published in an external cancellation reason code set.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength	1
maxLength	4

2.1.2.6 ExternalStatusReason1Code

Definition: Specifies the status reason, as published in an external status reason code list.

External code sets can be downloaded from www.iso20022.org.

Type: CodeSet

Format

minLength	1
maxLength	4

2.1.3 DateTime

2.1.3.1 ISODateTime

Definition: A particular point in the progression of time defined by a mandatory date and a mandatory time component, expressed in either UTC time format (YYYY-MM-DDThh:mm:ss.sssZ), local time with UTC offset format (YYYY-MM-DDThh:mm:ss.sss+/-hh:mm), or local time format (YYYY-MM-DDThh:mm:ss.sss). These representations are defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Note on the time format:

1) beginning / end of calendar day

00:00:00 = the beginning of a calendar day

24:00:00 = the end of a calendar day

2) fractions of second in time format

Decimal fractions of seconds may be included. In this case, the involved parties shall agree on the maximum number of digits that are allowed.

Type: DateTime

2.1.4 Text

2.1.4.1 Max105Text

Definition: Specifies a character string with a maximum length of 105 characters.

Type: Text

Format

minLength	1
maxLength	105

2.1.4.2 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.

Type: Text

Format

minLength	1
maxLength	140

2.1.4.3 Max2048Text

Definition: Specifies a character string with a maximum length of 2048 characters.

Type: Text

Format

minLength	1
maxLength	2048

2.1.4.4 Max34Text

Definition: Specifies a character string with a maximum length of 34 characters.

Type: Text

Format

minLength	1
maxLength	34

2.1.4.5 Max35Text

Definition: Specifies a character string with a maximum length of 35 characters.

Type: Text

Format

minLength	1
maxLength	35

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