PaymentEventNotification

This document includes information exported from the ISO 20022 web site(http://www.iso20022.org).

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1.1   API Functionality

This API allows a NPP Participant to notify (e.g. under a API call-back arrangement) their client (customer or Overlay Service Provider) that a payment event has occurred .

Outline

The PaymentEventNotification API is composed of 2 BuildingBlocks:

  A. Request

    HTTP request sent by the API client

  B. Response

    HTTP response returned by server.

1.2   Structure

Or	Element/BuildingBlock	Mult.	Type	Constr. No.	Page
	Root	[1..1]			
	Request	[0..1]			3
	NotificationIdentification	[1..1]	Text		4
	CreationDateTime	[1..1]	DateTime		4
	NotificationIssuer	[1..1]	SchemaType		4
	EventDateTime	[1..1]	DateTime		4
	ServiceLevel	[0..1]	Text		4
	NotificationSubjectIdentification	[1..1]	Text		4
	Response	[0..1]			5
	AcceptanceDateTime	[0..1]	DateTime		5

1.3   Building Blocks

This chapter describes the BuildingBlocks of this API.

1.3.1   Request

Presence: [0..1]

Definition: HTTP request sent by the API client

Request contains the following **PaymentEventNotificationRequest2** elements

Or	Element	Mult.	Type	Constr. No.	Page
	NotificationIdentification	[1..1]	Text		4
	CreationDateTime	[1..1]	DateTime		4
	NotificationIssuer	[1..1]	SchemaType		4
	EventDateTime	[1..1]	DateTime		4
	ServiceLevel	[0..1]	Text		4
	NotificationSubjectIdentification	[1..1]	Text		4

1.3.1.1 NotificationIdentification

Presence: [1..1]

Definition: Unique notification identification as assigned by the NPP Participant to unambiguously identify the payment event notification.

Datatype: "UUIDv4Identifier" on page 7

1.3.1.2 CreationDateTime

Presence: [1..1]

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

Datatype: "ISODateTime" on page 6

1.3.1.3 NotificationIssuer

Presence: [1..1]

Definition: URI of Notification Issuer.

Datatype: "anyURI" on page 6

1.3.1.4 EventDateTime

Presence: [1..1]

Definition: Point in time when the event occurred.

Datatype: "ISODateTime" on page 6

1.3.1.5 ServiceLevel

Presence: [0..1]

Definition: Specifies a pre-agreed service or level of service between the parties, as a proprietary code.

Datatype: "Max35Text" on page 7

1.3.1.6 NotificationSubjectIdentification

Presence: [1..1]

Definition: Identification of the subject that the notification is related to (e.g transaction identification).

Datatype: "Max128Text" on page 6

1.3.2   Response

Presence: [0..1]

Definition: HTTP response returned by server.

Response contains the following **PaymentEventNotificationResponse1** elements

Or	Element	Mult.	Type	Constr. No.	Page
	AcceptanceDateTime	[0..1]	DateTime		5

1.3.2.1 AcceptanceDateTime

Presence: [0..1]

Definition: Point in time when the notification request was accepted.

Datatype: "ISODateTime" on page 6

2   Types

2.1   Datatypes

2.1.1   DateTime

2.1.1.1 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

2.1.2   SchemaType

2.1.2.1 anyURI

Definition: W3C XML Schema Built-in datatype "anyURI".(Refer to the W3C recommendation on XML Schema)

Type: SchemaType

2.1.3   Text

2.1.3.1 Max128Text

Definition: Specifies a character string with a maximum length of 128 characters.

Type: Text

Format

minLength	1
maxLength	128

2.1.3.2 Max35Text

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

Type: Text

Format

minLength	1
maxLength	35

2.1.3.3 UUIDv4Identifier

Definition: Universally Unique IDentifier (UUID) version 4, as described in IETC RFC 4122 "Universally Unique IDentifier (UUID) URN Namespace".

Type: Text

Format

length	36
pattern	[a-f0-9]{8}-[a-f0-9]{4}-4[a-f0-9]{3}-[89ab][a-f0-9]{3}-[a-f0-9]{12}

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