IPG Gateway

VOID v 3.0 May 1, 2019

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Document Purpose

The purpose of this document is to describe the VOID API Operation to enable merchant developers to integrate their webpages with the IPG Gateway. Refer to the *IPG Gateway – 0 – Overview* document for how this API Operation is used in the merchant processes.

VOID – API Operations can only be performed on transactions with a status of NOT_SET_FOR_CAPTURE, after an AUTH API operation. The VOID – API Operation effectively cancels the AUTH API operation.

1 Session Token API Operation

1.1 Session Token Request

1.1.1 Format

POST Request to Session Token Request URL (see Section 3 of the *IPG Gateway – 0 – Overview* document)

1.1.2 Definition

Parameter	Data Type	Mandatory	Description
merchantId	Integer (18)	Y	The identifier for the merchant in the IPG Gateway provided at on-boarding
password	String (64)	Y	The merchant's password to the IPG Gateway provided at on-boarding
action	String (enum)	Y	Must be "VOID"
timestamp	Integer (18)	Y	Milliseconds since 1970-01-01 00:00:00
allowOriginUrl	String (253)	Y	The merchant's URL that will make the Void Request (section 2.1) Cross-Origin Resource Sharing (CORS) headers will allow only this origin.
originalTxId	Integer (18)	N	The IPG Gateway transaction Id of the transaction to be voided This will have been returned in the *txId* field of the Auth/Purchase Response – Processed (see *IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Direct API* or *IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Hosted Payment Page*, as appropriate to the integration method)
originalMerchantTxId	String (50)	Y	The merchant's original transaction identifier of the transaction to be voided, that was provided in the *merchantTxId* field of the Auth/Purchase Session Token Request and Auth/Purchase Request *(see IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Direct API or IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Hosted Payment Page, as appropriate to the integration method)*
agentId	String (18)	N	Identifier of the merchant's operator or agent on behalf of the end customer, if the operation is not performed by the merchant, and the merchant wants to track the operator who performed the transaction **Note**: this is not the same as the *operatorId* or *userAgent* fields of the Auth/Purchase Session Token Request and Auth/Purchase/Verify Request *(see IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Direct API or IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Hosted Payment Page, as appropriate to the integration method)*

1.1.3 Example

merchantId=1111111&password=klw74U6yt40mNo&originalTxId=1234&originalMerchantTxId=12345&allowOriginUrl=www.merchantsite.com

1.2 Session Token Response – Processed

1.2.1 Format

JSON

1.2.2 Definition

Parameter	Data Type	Description
result	String (40)	Will always be "success"
merchantId	Integer (18)	The *merchantId* value received in the Session Token Request (section 1.1)
token	String (40)	The Session Token that is a one-time use, hexadecimal string
		The Session Token that must only be used for the Void Request (see Section 2.1)
		Session tokens are valid for 3600 second (1 hour) after which they expire
		Any requests with expired session tokens will be rejected
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
processingTime	Integer (18)	The time in seconds for the process to complete
additionalDetails	Array	Not used – will always be "{}" or not included

1.2.3 Example

```
{
        "result": "success",
        "resultId": "85034083-22dd-49ff-9906-495098c42501",
        "merchantId": "167738",
        "additionalDetails": {},
        "processingTime": 33,
        "token": "72102985-5a92-4cde-a51b-9459d37d97a9"
}
```

1.3 Session Token Response – Not Processed

1.3.1 Format

JSON

1.3.2 Definition

Parameter	Data Type	Description
result	String (40)	Will always be "failure"
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
processingTime	Integer (18)	The time in seconds for the process to complete
additionalDetails	Array	Not used – will always be "{}" or not included
errors	String Array	List of issues

1.3.3 Example

```
{
        "result": "failure",
        "resultId": "99392fc1-bcd9-4fb0-8838-7dc37256cb51",
        "additionalDetails": {},
        "errors": [
                { "messageCode": "This field is required in [REQUEST]", "fieldName": "password" }
        ],
        "processingTime": 4
}
```

2   VOID API Operation

2.1 Void Request

2.1.1   Format

POST Request to Action Request URL (see Section 3 of the *IPG Gateway – 0 – Overview* document)

2.1.2   Definition

Parameter	Data Type	Mandatory	Description
merchantId	Integer (18)	Y	The identifier for the merchant in the IPG Gateway provided at on-boarding This must be the same as that sent in the Session Token Request (section 1.1)
token	String (40)	Y	Session Token received in the Session Token Response – Processed (section 1.2)

2.1.3   Example

merchantId=1111111&token=fghij67890fghij67890

2.2 Void Response - Processed

2.2.1   Format

JSON

2.2.2   Definition

Parameter/Label	Data Type	Description
result	String (40)	Will always be "success"
merchantId	Integer (18)	The *merchantId* value sent in the Session Token Request (section 1.1)
action	String (enum)	Will always be "VOID"
originalMerchantTxId	String (50)	The merchant transaction identifier of the transaction that was voided
originalTxId	Integer (18)	The IPG Gateway transaction Id of the transaction voided sent in the Session Token Request (section 1.1)
amount	BigDecimal (15.2 or 15.3)	The transaction amount voided sent in the Session Token Request (section 1.1)
currency	String (enum)	The transaction ISO alpha-3 currency code, as defined in the ISO 4217 standard, used in the original and void transactions
customerId	String (20)	The IPG Gateway customer identifier used in the original and void transactions
pan	String (100)	The customer account value/number used in the original and the void transactions
brandId	Integer (18)	The *brandId* value for the original and the void transaction
paymentSolutionId	Integer (18)	The *paymentSolutionId* value used in the original and void transactions
status	String (enum)	The status of the transaction in IPG Gateway: | Status	Condition
---	---
VOID	If "VOID" successful
ERROR	If an error was returned by the payment process	
errors	String (400)	Any errors that occurred during the successful processing of a transaction
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
processingTime	Integer (18)	The time in seconds for the process to complete
additionalDetails	Array	Not used – will always be "{}" or not included

2.2.3   Example

```
{

    "result":"success",

    "resultId": "4fd9f223-bb1a-4879-a6e6-81a10b53bdca",

    "merchantId":111111,

    "originalMerchantTxId":"abc123",

    "originalTxId":123,

    "amount":12.50,

    "currency":"GBP",

    "customerId":"mgn456",

    "action":"VOID",

    "pan":"45ae201ghy23498FjMj701",

    "brandId":3,

    "paymentSolutionId":500,

    "status":"VOID",

    "additionalDetails": {},

    "processingTime": 948

}
```

2.3 Void Response – Not Processed

2.3.1   Format

JSON

2.3.2   Definition

Parameter	Data Type	Description
result	String (40)	Will always be "failure"
txId	Integer (18)	The unique identifier for the void transaction attempt in the IPG Gateway
errors	String Array	List of errors.
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
processingTime	Integer (6)	The time in seconds for the process to complete

2.3.3   Example

```
{

    "result": "failure",

    "resultId": "308802f2-224d-44f5-b256-8d9443a72770",

    "additionalDetails": {},

    "errors": [

            { "messageCode": "This field is required in [TOKEN]", "fieldName": "amount" }

    ],

    "processingTime": 173

}
```