



A division of 

BOIPA Gateway

GET STATUS v 3.4, November 18, 2022

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Document Purpose

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

The GET STATUS – API Operation provides a method to check the status of a transaction in the BOIPA Gateway. Although, each BOIPA Gateway API Operation provides the resulting status after a transaction has been processed, the merchant may want to reconcile data in their local database to that in the BOIPA Gateway.

The transaction is queried by the Merchant’s transaction identifier or by the transaction identifier the BOIPA Gateway.

Change Log

Version	Date	Author	Description of Change
3.1	08/04/22	Vaughan Morgan-Jones	IRELOT-327 – Statuses updated
3.2	20/04/22	Vaughan Morgan-Jones	IRELOT- 236 –Transaction Statuses corrected & ‘resultId’ added to the example in Section 1.3.3
3.3.	17/11/22	Vaughan Morgan-Jones	IRELOT-634 – Disburse statuses updated
3.4	18/11/22	Gary Rusby	Updated Get Status Response – Not Processed errors to the correct formats. Related to IRELOT-653

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 BOIPA Gateway provided at on-boarding
password	String (64)	Y	The merchant's password to the BOIPA Gateway provided at on-boarding
action	String (enum)	Y	Must be "GET_STATUS"
timestamp	Integer (18)	Y	Milliseconds since 1970-01-01 00:00:00
allowOriginUrl	String (253)	Y	The merchant's URL that will make the Get Status Request (section 2.1) Cross-Origin Resource Sharing (CORS) headers will allow only this origin.

1.1.3 Example

Post

```
merchantId=1111111
password=klw74U6yt40mNo
allowOriginUrl=www.merchantsite.com
action=GET_STATUS
timestamp=1249751864238
```

1.2 Session Token Response – Processed

1.2.1 Format

JSON

1.2.2 Definition

Parameter	Data Type	Description
result	String (enum)	Will always be “success”
merchantId	Integer (18)	The <i>merchantId</i> 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 Get Status 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",
  "merchantId": 1111111,
  "token": "abcde12345abcde12345",
  "resultId": "fghij67890fghij67890",
  "processingTime": 2
}
```

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”
errors	String Array	List of issues
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

1.3.3 Example

```
{
  "result": "failure",
  "merchantId": "1111111",
  "resultId": "sa9r0q-9ghv94vba09-wnvsb9-8es7o",
  "errors": [
    { "messageCode": "This field is required in [REQUEST]", "fieldName": "password" }
  ],
  "processingTime": 4
}
```

2 GET_STATUS API Operation

2.1 Get Status 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 BOIPA 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)
txId	Integer (18)	C	The BOIPA Gateway transaction Id of the transaction for which the status is requested This will have been returned in the <i>txId</i> field of the <i>Auth/Purchase/Verify Response – Processed</i> (see <i>IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Direct API</i> or <i>IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Hosted Payment Page</i> , as appropriate to the integration method) Condition: Must be provided if the <i>merchantTxId</i> is not provided
merchantTxId	Integer (50)	C	The merchant's transaction identifier of the transaction for which the status is requested, that was provided in the <i>merchantTxId</i> field of the <i>Auth/Purchase Session Token Request</i> and <i>Auth/Purchase/Verify Request</i> (see <i>IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Direct API</i> or <i>IPG Gateway – 2 – AUTH-PURCHASE-VERIFY – Hosted Payment Page</i> , as appropriate to the integration method) Condition: Must be provided if the <i>txId</i> is not provided

2.1.3 Example

POST

```
merchantId=111111
token=fghij67890fghij67890
txId=5464210059863069812
MerchantTxId=abc123
```

2.2 Get Status Response - Processed

2.2.1 Format

JSON

2.2.2 Definition

Parameter	Data Type	Description
result	String (enum)	Will always be "success"
merchantId	Integer (18)	The <i>merchantId</i> value sent in the Session Token Request (section 1.1)
txId	Integer (18)	The BOIPA Gateway transaction identifier provided in the in the Get Status Request (see Section 2.1)
merchantTxId	String (50)	The merchant's transaction identifier provided in the in the Get Status Request (see Section 2.1)
status	String (enum)	The status of the transaction in the BOIPA Gateway (see Appendix A - Transaction Statuses)
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
additionalDetails	Array	Not used – will always be "{}" or not included
processingTime	Integer (6)	The time in seconds for the process to complete

2.2.3 Example

```
{
  "result": "success",
  "merchantId": 111111,
  "merchantTxId": "abc123",
  "txId": 5464210059863069812,
  "status": "CAPTURED",
  "resultId": "4fd9f223-bb1a-4879-a6e6-81a10b53bdca",
  "processingTime": 948
}
```


2.3 Get Status Response – Not Processed

2.3.1 Format

JSON

2.3.2 Definition

Parameter	Data Type	Description
result	String (40)	Will always be “failure”
errors	String Array	<p>List of errors:</p> <ul style="list-style-type: none"> If the merchant has sent an incorrectly encoded parameter or an unexpected value the following format will be used: <pre> "errors": [{ "messageCode": "message text", "fieldName": "fieldname" }, . . { "messageCode": "message text", "fieldName": "fieldname" },]</pre> <p>If a system error or negative response is received from the Payment Process a single string is returned</p>
resultId	String (40)	Hexadecimal string that is to be used in any support request calls
additionalDetails	Array	Not used – will always be “{}” or not included
processingTime	Integer (6)	The time in seconds for the process to complete

2.3.3 Examples

Field error example:

Where the merchant has sent an incorrectly encoded parameter or an unexpected value.

```
{
  "result": "failure",
  "resultId": "6794d4bb-838e-4d26-b2c5-4afd58d4de88",
  "additionalDetails": {},
  "errors": [
    {
      "messageCode": "This field is required in [REQUEST]",
      "fieldName": "merchantId"
    },
    {
      "messageCode": "This field is required in [REQUEST]",
      "fieldName": "password"
    },
    {
      "messageCode": "field.invalid",
      "fieldName": "allowOriginUrl"
    }
  ],
  "processingTime": 5
}
```

System error example:

Where a system error or negative response is received from the Payment Process.

```
{
  "result": "failure",
  "resultId": "031fde37-0bfc-4a6f-9054-87a6962c9242",
  "action": "null",
  "additionalDetails": {},
  "errors": "Error-06dc63b07634428fbc13cd0616bbd957-API-Gateway Error during process of action null",
  "processingTime": 18
}
```

Appendix A Transaction Statuses

Status	Condition
CAPTURED	<p>The transaction was successfully authenticated and authorised waiting settlement after:</p> <ul style="list-style-type: none"> • A Purchase Request • An Authorise Only Request when the status was previously SET_FOR_CAPTURE <p>This is a final status in the BOIPA Gateway</p>
VERIFIED	<p>The Verify Request was successfully authenticated and authorised</p> <p>This is a final status in the BOIPA Gateway</p>
REFUNDED	<p>The Refund or Unlinked Refund Request was successful</p> <p>This is a final status in the BOIPA Gateway</p>
VOID	<p>The Void or Reverse (Void on Purchase) Request was successful</p> <p>This is a final status in the BOIPA Gateway</p>
DECLINED	<p>The Purchase, Authorise Only, Verify or Disburse Request was declined, i.e. not successful</p> <p>This is a final status in the BOIPA Gateway</p>
ERROR	<p>The transaction processing failed with an error, provided in the response</p> <p>This is a final status in the BOIPA Gateway</p>
INCOMPLETE	<p>An unknown problem occurred during the process, usually the transaction was abandoned by the customer. A record for the transaction has been created in the BOIPA Gateway database, but the final state of the transaction is unknown. If an update is not received from the payment processes after 40 days, the transaction status is set to ERROR</p>
NOT_SET_FOR_CAPTURE	<p>An interim status when an Authorise Only Request was successfully authenticated and authorised</p> <p>The merchant is configured to manually approve transactions to be sent for Capture</p>
SET_FOR_CAPTURE	<p>An interim status when an Authorise Only Request was successfully authenticated and authorised</p> <p>The merchant is configured for transactions to be automatically sent for Capture</p>
WAITING_DEC_AUTH	<p>If a Decoupled Authentication is required in the 3DS V2.x process.</p> <p>The payment process is suspended waiting for the cardholder/customer to complete the decoupled authentication with their Issuer.</p> <p>Once complete:</p> <ul style="list-style-type: none"> • If the authentication was successful, Payment Authorisation will be processed and the Status will be changed to NOT_SET_FOR_CAPTURE, SET_FOR_CAPTURE, CAPTURED, VERIFIED or DECLINED • If authentication failed or was not completed in the time allotted, the status will be changed to INCOMPLETE
SET_FOR_DISBURSE	<p>An interim status during the Disburse processing. This will only be returned in the event of a catastrophic breakdown in the BOIPA Gateway external communications. Otherwise will always be changed in response to the outcome of the request process.</p>
WITHDRAW_SUCCESFUL	<p>The Disburse Request was successfully authorised</p> <p>This is a final status in the BOIPA Gateway</p>