



MOBILE CONTENT LTD

DOCUMENT INFORMATION

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[AIRTEL TIGO REVERSE MOMO TRANSACTION API](#)

SERVICE OVERVIEW

The API ReverseTransaction_2_0 is used to rollback a previously successful purchase (debit) or payment (credit) transaction. The service will return the success response. This service is used by consuming applications to cancel a transaction which was previously carried out successfully by sending the Mobiquity Transaction ID hereby termed (UtibaTransactionId). In case of any error in the flow, a fault would be returned in the response.

DEFINITIONS AND ABBREVIATIONS

TERMS	DEFINITIONS
SMS	Short Message Service
MOBIQUITY	Mobile Financial Service Platform provided by Comviva
MSISDN	Mobile Station International Subscriber Directory Number
SOA	Service Oriented Architecture.
API	Application Program Interface
MCC	Mobile Content.Com
OSB	Oracle Service Bus

API USAGE AND REQUIRED PARAMETERS

To access and use the API successfully, few parameters must be provided.

PARAMETERS	MANDATORY LEVEL	DESCRIPTION
ApiType	Mandatory	Identify the type of transaction to be reversed {purchase/payment} only
PaymentReference	Mandatory	Correlation ID of the required purchase or payment transaction for the previous transaction that need to be reversed.
AuthorizationCode	Mandatory	An access code for mcc users to be included in each request, this is a database define code. Details will be shared by head of the department.
UtibaTransactionId	Mandatory	The Mobiquity (MFS) transactionId which has to be cancelled
RequestTransactionId	Mandatory	Previous transaction ID in purchase/payment that accompanied the response to acknowledge request initiated
RequestCorrelatorId	Mandatory	Correlation ID of the required purchase or payment transaction for the previous transaction that need to be reversed.
Network	Mandatory	The value required is AIRTEL-TIGO-GH

Ei

```
{  
  "ApiType": "purchase",  
  "PaymentReference": "239843940344343943434",  
  "AuthorizationCode": "lknskdnsowejnjsdhije",  
  "UtibaTransactionId": "MM210216.1045.D02408",  
  "RequestCorrelatorId": "239843940344343943434",  
  "RequestTransactionId": "H4YhZ9v16134717794d5e9475ef11e1583dd79c914d2e24c3",  
  "Network": "AIRTEL-TIGO-GH"  
}
```

A **POST** request with the above parameters should be sent to the MOMO Credit url/endpoint below.

http://139.162.242.100/adri/payments/tigo/reverse_payments/reverse_transaction_processor.php

Example of postman request:

POST http://139.162.242.100/adri/payments/tigo/reverse_payments/reverse_transaction_processor.php

Params Authorization Headers (10) Body Pre-request Script Tests Settings

☐ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

KEY	VALUE
<input checked="" type="checkbox"/> AuthorizationCode	MskwHaW9(2021028Mcc
<input checked="" type="checkbox"/> PaymentReference	2332420868407020210217135618557968
<input checked="" type="checkbox"/> ApiType	purchase
<input checked="" type="checkbox"/> RequestTransactionId	H4YhZ9v16134717794d5e9475ef11e1583dd79c914d2e24c3
<input checked="" type="checkbox"/> RequestCorrelatorId	2332420868407020210217135618557968
<input checked="" type="checkbox"/> UtibaTransactionId	MM210216.1045.D02408
<input checked="" type="checkbox"/> Network	AIRTEL-TIGO-GH

The consuming middleware would authenticate the calling application against the unwanted request from other sources.

The API will first check for the authorization for the incoming request and if all is good, it then process the request. Should the user not authorized to access the API or request coming from a wrong guest, the API will throw the below json response:

```
{
  "Success": "Failed",
  "Data": {
    "ResponseCode": "2001",
    "Description": "Non authorized request"
  }
}
```

Example of response from postman when authorization failed:



Should the request be processed successfully, a json response will be sent to the calling application to acknowledge the request as shown below for purchase (debit) and payment (credit):

FOR PURCHASE

```
{
  "Success": true,
  "ResponseCode": "reversetransaction-3020-0000-S",
  "Data": {
    "Network": "AIRTEL-TIGO-GH",
  }
}
```

```
"TransactionId":"pEOAib91613475191e1d45b4539e106a73bc7f6071770b898",
"RequestCorrelationId":"23324860299815202102161036192431294",

"RequestTransactionId":"H4YhZ9v16134717794d5e9475ef11e1583dd79c914d2
e24c3",
"ExternalTransactionId":"c2cbc1d3-a79d-45e9-a6c6-342143b957f1",
"TransactionType":"CANCEL TRANSACTION",
"ReversedTransactionId":"XX210216.1132.D01930",
"Status":"OK",
"Description":"The request has been processed successfully.",
"ApiType":"purchase",
"PaymentReference":"123408989877855652413456"
}
}
```

Sample error response from get transaction details request:

```
{
  "Success":true,
  "ResponseCode":"reversetransaction-3020-4507-V",
  "Data":
  {
    "Network": "AIRTEL-TIGO-GH",
    "TransactionId":"iBVqPKE1613462351ad8a4273fa61090a2dd3cf6c9b2ccf54",
    "RequestCorrelationId":"20210210112947",
    "RequestTransactionId":"20210210112947",
    "ExternalTransactionId":"4ae0369c-ebba-4b9e-ae57-3b8fc7659abd",
    "TransactionType":"CANCEL TRANSACTION",
```

```

        "Status":"ERROR",
        "Description":"Invalid PaymentReferenceID\AuthorizationCode passed in the request.",
        "ApiType":"purchase",
        "PaymentReference":"20210210112947"
    }
}

```

SUCCESS STATUS CODES

On successful operation execution the API will return the success code below.

Code	Description
reversetransaction-3020-0000-S	The request has been processed successfully.

ERROR CODES

This operation could return errors or failures in the process. The error codes and short descriptions are listed below.

Error Code	Error Category	Error Description
reversetransaction-3020-4501-V	OSB Validation Error. Further details usually captured in additional information field.	Invalid Request. Please check the input and resubmit.
getpurchasetransdetails-1162-4507-V	When PaymentReference passed is null/empty in the request.	PaymentReference passed is null/empty in the request
reversetransaction-3020-4507-V	Invalid PaymentReference/CorrelationId passed in the request.	Error when invalid PaymentReferenceID is passed in the request or the PaymentReferenceID is a mismatch to that of the Purchase or Payment transaction to be reversed.
reversetransaction-3020-2501-F	One or more back ends may be down. Please try again later.	When backends are down. Connection error message
reversetransaction-3020-2502-F	OSB Timeout and backend timeout Error.	Service call has timed out. Please resubmit your request later.
reversetransaction-3020-3602-E	OSB internal error	Internal service error has occurred.
reversetransaction-3020-3999-E	To be mapped in unknown section. The failure reason is not defined.	Unknown/Uncaught error has occurred.
reversetransaction-3020-4512-V	When Invalid apiType is passed in the request. Expected value is purchase or payment.	Invalid apiType passed in the request

reversetransaction-3020-4513-V	When an invalid Mobiquity (MFS) TransactionID is passed in the request	Invalid TransactionID passed in the request
reversetransaction-3020-3001-E	Any unmapped backend error would be returned under this error code.	<Backend description> or Request was not successful. Backend error has occurred.

GENERAL RESPONSE STRUCTURE AND DESCRIPTION

Element Name	Element Type	Description
ResponseCode	String	Code that is to identify the success or fail event in the transaction
CorrelationId	Integer	Unique identifier of the transaction by the calling application.
TransactionId	String	Transaction id is generated by the calling application to tigo.
ExternalTransactionId	String	Middleware Unique transaction Id generated by the API
Status	String	State of the transaction Enumeration values ➤ OK ➤ ERROR
Description	String	Technical and brief description of the error/success
UtibaTransactionId	String	Unique ID of the payment transaction from the MFS platform.
PaymentReference	Integer	This will be the unique payment reference sent by the consuming application
AdditionalInfo	String	This element is used in case of backend error to return any additional information about the error. In this service, backend service name/response message would be returned in this element.
additionalResults	String	AdditionalResults for this service returned are: Generated Consumed NewBalance SessionId