



API for Bill Payment
Outbound Interface

Partner Integration Guide

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Audience: Bill Issuer/Aggregator Partner

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1. Interface Specification

1.1 Check Bill

Interface Introduction

This interface is used by Pay Bill middleware to initiate a bill payment request to the third party.

Request Parameter Specification

Common field specification				
Parameter	Data Type	Mandatory or Optional	Description	Example
UserName	String	Mandatory	Indicates the login identifier.	bKash
Password	String	Mandatory	Indicates the password associated to the login identifier above.	K38MO3
AccNo / MeterNo / CustomerNo / BillNo / RefID	String	Mandatory	Indicates the reference number of bill, which is from bill issuer.	CID-9878
BillMonth (MMYYYY)	String	Optional	Indicates the billing month. The format should be MMYYYY.	022018
Amount(If needed)	String	Optional	Bill Amount	520

Response Parameter Specification

Common field specification				
Parameter	Data Type	Mandatory or Optional	Description	Example
ErrorCode	String	Mandatory	Indicates the result error code after confirmed getting request.	200
ErrorMsg	String	Mandatory	Indicates the Error_Msg description after bill confirmation	Successful
ConsumerName	string	Optional	Indicates the Consumer name of the biller	Amena Khatun

BillMonth	String	Optional	Indicates the billing month	072018
BillAmount	String	Mandatory	Indicates the bill amount to be paid	540
BillDue Date(YYYYMMDD)	String	Optional	Indicates the last date of payment	20180713
QueryTime	String	Mandatory	Indicates the middleware query time	20180407042736
Amount Breakdown(if available)	String	Optional		{Energy Cost: 120, VAT Amount: 8 }
Note: If the value 200 is returned for Error_Code, the processing is successful. If another error code is returned, the processing in the biller system fails.				

Sample

```
curl -L -X POST 'https://xyz.com/api/queryBill/' -F 'UserName="bKash"' -F 'Password="K38MO3"' -F 'keyValue="K38MO3"' -F 'CustomerNo="CID-9878"' -F 'BillMonth="022018"' -F 'Amount="100"'
```

1.2 Bill Payment

Interface Introduction

This interface is used by Pay Bill middleware to initiate a bill payment request to the third party.

Request Parameter Specification

Common field specification				
Parameter	Data Type	Mandatory or Optional	Description	Example
UserName	String	Mandatory	Indicates the login identifier.	bKash
Password	String	Mandatory	Indicates the password associated to the login identifier above.	K38MO3
AccNo / MeterNo / CustomerNo / BillNo / RefID	String	Mandatory	Indicates the reference number of bill, which is from bill issuer.	CID-9878



BillMonth (MMYYYY)	String	Optional	Indicates the billing month. The format should be MMYYYY.	022018
Amount	String	Mandatory	Bill Amount	520
UserMobileNumber(If needed)	String	Optional	Consumer Mobile Number	017111928374
TrxId	String	Mandatory	Indicates the bKash transaction id	5C8300HJ6V
PayTime	String	Optional	Indicates the CPS payment time	20180407042736

Response Parameter Specification

Common field specification				
ErrorCode	String	Mandatory	Indicates the result error code after confirmed getting request.	200
ErrorMsg	String	Mandatory	Indicates the Error_Msg description after bill confirmation	Successful
ConsumerName	String	Optional	Indicates the Consumer name of the biller	Amena Khatun
TotalAmount	String	Mandatory	Amount has been paid	520
TrxId	String	Mandatory	Indicates the bKash transaction id	5C8300HJ6V
MiddlewarePayTime	String	Mandatory	Indicates the middleware payment time	20180407042736
RefNumber	String	Optional	Indicates the middleware transaction id	1233545
CustomMessage	String	Optional	Indicates additional custom message	{Token:123123}
Amount Breakdown(if available)	String	Optional		{Energy Cost: 120, VAT Amount: 8}
Note: If the value 200 is returned for Error_Code, the processing is successful. If another error code is returned, the processing in the biller system fails.				



Sample

```
curl -L -X POST 'https://xyz.com/api/payBill/' -F 'UserName="bKash"' -F 'Password="00"' -F 'keyValue="K38MO3"' -F 'CustomerNo="TX1001"' -F 'BillMonth="022018"' -F 'Amount="100"' -F 'UserMobileNumber="01711123456"' -F 'TrxId="5C8300HJ6V"' -F 'PayTime="20180407042736"'
```

1.3 Transaction Search Query

Interface Introduction

This interface is used by Pay Bill middleware to check whether a transaction is successful at the third party.

Request Parameter Specification

Common field specification				
Parameter	Data Type	Mandatory or Optional	Description	Example
UserName	String	Mandatory	Indicates the login identifier.	bKash
Password	String	Mandatory	Indicates the password associated to the login identifier above.	K38MO3
TrxId	String	Mandatory	Indicates the bKash transaction id	5C8300HJ6V

Response Parameter Specification

Common field specification				
ErrorCode	String	Mandatory	Indicates the result error code after confirmed getting request.	200
ErrorMsg	String	Mandatory	Indicates the Error_Msg description after bill confirmation	Successful
TotalAmount	String	Mandatory	Amount has been paid	520
TrxId	String	Mandatory	Indicates the bKash transaction id	5C8300HJ6V
MiddlewarePayTime	String	Mandatory	Indicates the middleware payment time	20180407042736



RefNumber	String	Optional	Indicates the middleware transaction id	1233545
CustomMessage	String	Optional	Indicates additional custom message	{Token:123123}
Amount Breakdown(if available)	String	Optional		{Energy Cost: 120, VAT Amount: 8}
Note: If the value 200 is returned for Error_Code, the transact was successful. If another error code is returned, the processing in the biller system fails.				

Sample

```
curl -L -X POST 'https://xyz.com/api/searchTransaction/' -F 'UserName="bKash"' -F 'Password="00"' -F 'TrxId="5C8300HJ6V"'
```



2. Error Code

Error message should contain the following:

Code	Message	Details
200	Success	After successful transaction.
403	Authentication failed	When messaging service is not allowed to connect because it does not recognize username or password for any reason.
406	Mandatory Field missing	This is when any one of customer id, username or password are empty or null.
435	Data Mismatch	Requested data not matched with database data.
436	Already paid	If the bill is already paid.
404	Data not found	Requested data cannot find in the database.
437	Due date over	If the bill payment date is over.
438	Minimum amount not paid	If the customer is not pay the minimum amount.
439	Pay amount and biller amount not match	If the Pay amount and biller amount don't match.