

MShwari Credit Scorecard

REVISION HISTORY

Version	Date	Author	Comments
V1.0	24 th January 2024	Maryann M. Kavita	

PURPOSE

This document captures:

1. The current API that facilitates scoring functionality for customers on MShwari.
2. The expected API that will facilitate scoring functionality following scorecard amendment.

REFERENCED DOCUMENTS

Document Name	Description
NCBA API payload	Sample API request response payload currently utilized by NCBA.

GLOSSARY

Acronym	Full Description
API	Application Programming Interface
SFC	Safaricom PLC

FUNCTIONAL OVERVIEW

To facilitate M-Shwari's credit scoring leg, NCBA fetches customer data from Safaricom's internal system through an exposed endpoint upon customer opt-in. The existing scorecard service extracts the data as per defined variables by NCBA. Following business review, an initiative has been undertaken to amend the scorecard to enhance product performance on credit scoring.

IN-SCOPE

Key requirements in scope are:

1. Actualization of the scorecard service from a data & service development perspective.
2. Deployment & execution of the revamped scoring service.
3. Verified network access between SFC & NCBA for the new scoring service.

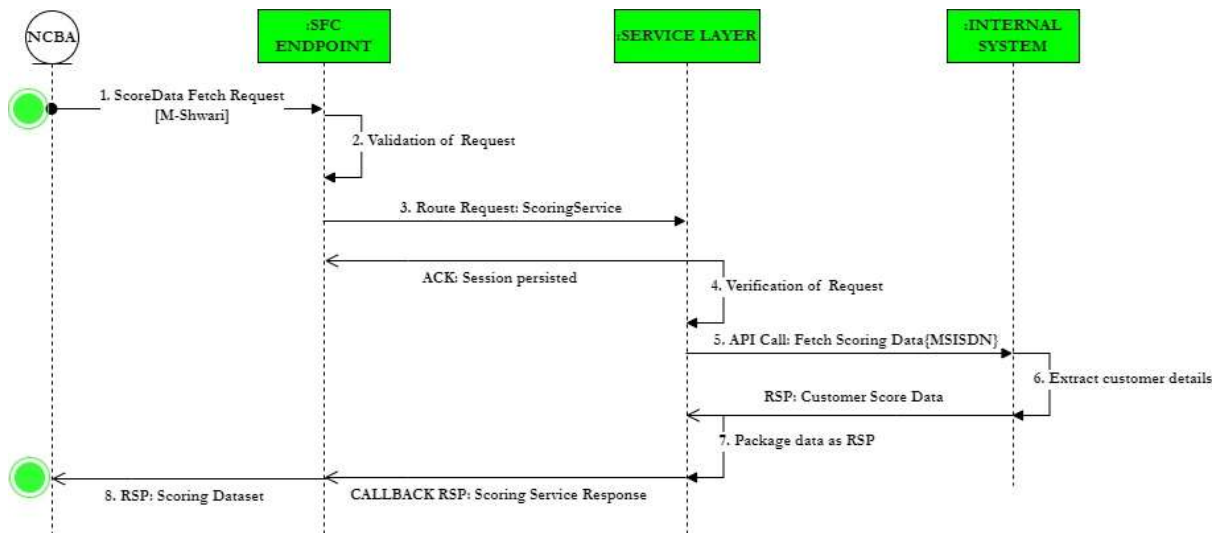
OUT-OF-SCOPE

Any item that is not listed in scope above.

HIGH-LEVEL SERVICE FLOW

Use-Case

As NCBA, I fetch specific customer data upon submitting my customer's MSISDN so that I can receive calculated dataset to support scoring and allocation of a limit on MShwari product.



From the flow above:

- Following a customer's opt-in request to NCBA, the bank initiates a call to Safaricom's exposed endpoint.
The call is a Fetch Data call to score the customer and assign a limit.
- The endpoint then routes the request to service layer to handle business logic.
- The scoring service verifies the request and fetches requested data.
- Once the data is available, it is then packaged into a response and routed back to the bank.
- NCBA then calculates the customer's score and assigns a limit for MShwari product.

There is no anticipated amendment to the customer or service journey flow.

DATA ARCHITECTURE

SCORECARD VARIABLES

1. Current Scorecard variables:

MSISDN

DATA_EXTRACTION_DATE

NETWORK_REGISTRATION_DATE

MPESA_REGISTRATION_DATE

DOB

NETWORK_AIRTIME_UTILIZATION

DAYS_FROM_LAST_ACTIVITY

NUMBER_OF_ACTIVITY_DAYS

NETWORK_TOPUP_AVG_AMOUNT

DAYS_AIRTIME_LESS_THAN_10

DAYS_AIRTIME_LESS_THAN_2

OKOA_JAHAZI_NUM_OF_LOANS

OKOA_JAHAZI_NUM_OF_OVERDUE

OKOA_JAHAZI_BLACKLISTED_DAYS

OKOA_JAHAZI_TOTAL_LOAN_TERM

OKOA_JAHAZI_MAXIMUM_TERM

OKOA_JAHAZI_TOTAL_LOAN_AMOUNT

OKOA_JAHAZI_FIRST_USE_RECENT
OKOA_JAHAZI_LAST_USE_RECENT
OKOA_JAHAZI_LAST_BL_RECENT
OKOA_JAHAZI_AVG_LOAN_AMOUNT
MPESA_DEPOSIT_NUMBER
MPESA_DEPOSIT_AMOUNT
MPESA_DEPOSIT_ACCEPTORS
MPESA_DEPOSIT_HIGHEST
MPESA_WITHDRAW_NUMBER
MPESA_WITHDRAW_AMOUNT
MPESA_WITHDRAW_ACCEPTORS
MPESA_WITHDRAW_HIGHEST
MPESA_PAY_BILL_NUMBER
MPESA_PAY_BILL_AMOUNT
MPESA_PAY_BILL_ACCEPTORS
MPESA_PAY_BILL_HIGHEST
TRANSFER_FROM_BANK_NUMBER
TRANSFER_FROM_BANK_AMOUNT
TRANSFER_FROM_BANK_ACCEPTORS
TRANSFER_FROM_BANK_HIGHEST
MPESA_SEND_NUMBER
MPESA_SEND_AMOUNT
MPESA_SEND_ACCEPTORS
MPESA_SEND_HIGHEST
MPESA_RECEIVED_NUMBER
MPESA_RECEIVED_AMOUNT
MPESA_RECEIVED_ACCEPTORS
MPESA_RECEIVED_HIGHEST

2. New Scorecard variables:

VARIABLE	
KYC DATA	
EXTRACTION_DATE	Date of data extraction
KYC_MSISDN	Phone number
DOB	Date of Birth
MPESA_REGISTRATION_DATE	Mobile money registration date
NETWORK_REGISTRATION_DATE	Date when user registered in Telco
MPESA AND GSM VARIABLES	
NUMBER_OF_ACTIVITY_DAYS	Calculated number of activities days in the last 6 months
MPESA_DEPOSIT_AMOUNT_6M	Total amount of deposit (agent) in the last 6 months
MPESA_DEPOSIT_AMOUNT_3M	Total amount of deposit (agent) in the last 3 months
MPESA_DEPOSIT_NUMBER_6M	Total number of deposit (agent) in the last 6 months

MPSA_WITHDRAW_AMOUNT_6M	Total amount of withdrawals in the last 6 months
MPSA_WITHDRAW_NUMBER_6M	Total number of withdrawals in the last 6 months
MPSA_RECEIVED_AMOUNT_6M	Total amount of receives in the last 6 months
MPSA_RECEIVED_AMOUNT_3M	Total amount of receives in the last 3 months
MPSA_RECEIVED_NUMBER_6M	Total number of receives in the last 6 months
MPSA_RECEIVED_ACCEPTORS_6M	Unique number of receives in the last 6 months
MPSA_SEND_AMOUNT_6M	Total amount of send in the last 6 months
MPSA_SEND_NUMBER_6M	Total number of send in the last 6 months
MPSA_SEND_ACCEPTORS_6M	Unique number of sends in the last 6 months
MPSA_TRANSFER_FROM_BANK_AMOUNT_6M	Total amount of B2C (Bank to Wallet) in the last 6 months
MPSA_TRANSFER_FROM_BANK_AMOUNT_3M	Total amount of B2C (Bank to Wallet) in the last 3 months
MPSA_TRANSFER_FROM_BANK_NUMBER_6M	Total number of B2C (Bank to Wallet) in the last 6 months
MPSA_TRANSFER_FROM_BANK_ACCEPTORS_6M	Unique number of B2C (Bank to Wallet) in the last 6 months
MPSA_PAY_BILL_AMOUNT_6M	Total amount of utilities – pay bills payments in the last 6 months
MPSA_PAY_BILL_NUMBER_6M	Total number of utilities – pay bills payments in the last 6 months
MPSA_BUY_GOODS_AMOUNT_6M	Total amount of utilities - buy goods payments in the last 6 months
MPSA_BUY_GOODS_NUMBER_6M	Total number of utilities - buy goods payments in the last 6 months

API DOCUMENTATION

1. Current Request | Response:

a. Parameters:

ENDPOINT: https://196.201.214.157:8475/SharedResources/Service/ODCBACreditScore.serviceagent/CreditScoreEndpoint	
Request Field	Field Type
MSISDN	VARCHAR
MSISDN	VARCHAR
Response_Code	INT
Response_Desc	STRING
First_Name	STRING
Last_Name	STRING
Document_ID	STRING
MPESA_MSISDN	NUMBER
DATA_EXTRACTION_DATE	CHAR
RANDOM_ID	NUMBER
NETWORK_REGISTRATION_DATE	NUMBER
NETWORK_PAYMENT_TYPE	VARCHAR2
DAYS_AIRTIME_LESS_THAN_10	NUMBER
DAYS_AIRTIME_LESS_THAN_2	NUMBER
NETWORK_AIRTIME_UTILIZATION	NUMBER
DAYS_FROM_LAST_ACTIVITY	NUMBER

NUMBER_OF_ACTIVITY_DAYS	NUMBER
NETWORK_TOPUP_AVG_AMOUNT	NUMBER
NETWORK_TOPUP_MODAL_METHOD	VARCHAR2
NETWORK_NUM_POSTPAID_BLOCKED	NUMBER
NETWORK_POST_PAID_LIMIT	NUMBER
NETWORK_TOWN	VARCHAR2
OKOA_JAHAZI_NUM_OF_OVERDUE	NUMBER
OKOA_JAHAZI_BLACKLISTED_DAYS	NUMBER
OKOA_JAHAZI_TOTAL_LOAN_TERM	NUMBER
OKOA_JAHAZI_MAXIMUM_TERM	NUMBER
OKOA_JAHAZI_TOTAL_LOAN_AMOUNT	NUMBER
OKOA_JAHAZI_FIRST_USE_RECENT	VARCHAR2
OKOA_JAHAZI_LAST_USE_RECENT	VARCHAR2
OKOA_JAHAZI_LAST_BL_RECENT	VARCHAR2
MPESA_REGISTRATION_DATE	DATE
MPESA_RECEIVED_ACCEPTORS	NUMBER
MPESA_RECEIVED_HIGHEST	NUMBER
CURRENT_BONGA_PTS_BAL	NUMBER
SAMBAZA_AIRTIME_RCVD	NUMBER
TOTAL_CALLS_1_MNTH	NUMBER

b. Sample:

REQUEST:

```
<?xml version="1.0" encoding="UTF-8"?><ns0:Request xmlns:ns0="http://xmlns.example.com/1341933774185">
  <Request>
    <sch:DataRequest xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sch="http://www.tibco.com/schemas/CreditScoring/SharedResources/Schemas/Schema.xsd" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <sch:MSISDN-796825983</sch:MSISDN>
    </sch:DataRequest>
  </Request></ns0:Request>
<?xml version="1.0" encoding="UTF-8"?><ns0:Response xmlns:ns0="http://xmlns.example.com/1341933774185">
```

RESPONSE:

```
<?xml version="1.0" encoding="UTF-8"?>
<ns0:Response xmlns:ns0="http://xmlns.example.com/1341933774185">
  <Response>
    <ns1:DataResponse xmlns:ns1="http://www.tibco.com/schemas/CreditScoring/SharedResources/Schemas/Schema.xsd">
      <ns1:MSISDN-722000000
      </ns1:MSISDN>
      <ns1:Response_Code>0
      </ns1:Response_Code>
      <ns1:Response_Desc>Success</ns1:Response_Desc>
      <ns1:BioDataResponse>
        <ns1:First_Name>JOHN</ns1:First_Name>
        <ns1:Last_Name>DOE</ns1:Last_Name>
        <ns1:Document_ID>70999999</ns1:Document_ID>
        <ns1:Mpesa_MSISDN>722000000</ns1:Mpesa_MSISDN>
      </ns1:BioDataResponse>
    </ns1:DataResponse>
  </Response>
</ns0:Response>
```

```

<ns1:DatalItem>
  <ns1:ParameterName>DATA_EXTRACTION_DATE</ns1:ParameterName>
  <ns1:ParameterValue>20240111</ns1:ParameterValue>
  <ns1:ParameterType>CHAR</ns1:ParameterType>
</ns1:DatalItem>
<ns1:DatalItem>
  <ns1:ParameterName>RANDOM_ID</ns1:ParameterName>
  <ns1:ParameterValue>98190732</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER</ns1:ParameterType>
</ns1:DatalItem>
<ns1:DatalItem>
  <ns1:ParameterName>NETWORK_REGISTRATION_DATE</ns1:ParameterName>
  <ns1:ParameterValue>20230422</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:DatalItem>
<ns1:DatalItem>
  <ns1:ParameterName>NETWORK_PAYMENT_TYPE</ns1:ParameterName>
  <ns1:ParameterValue>PrePaid
</ns1:ParameterValue>
  <ns1:ParameterType>VARCHAR2
</ns1:ParameterType>
</ns1:DatalItem>
<ns1:DatalItem>
  <ns1:ParameterName>DAYS_AIRTIME_LESS_THAN_10
</ns1:ParameterName>
  <ns1:ParameterValue>149</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:DatalItem>
<ns1:DatalItem>
  <ns1:ParameterName>DAYS_AIRTIME_LESS_THAN_2
</ns1:ParameterName>
  <ns1:ParameterValue>149
</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:DatalItem>
<ns1:DatalItem>
  <ns1:ParameterName>NETWORK_AIRTIME_UTILIZATION
</ns1:ParameterName>
  <ns1:ParameterValue>2559.105
</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:DatalItem>
<ns1:DatalItem>
  <ns1:ParameterName>DAYS_FROM_LAST_ACTIVITY
</ns1:ParameterName>
  <ns1:ParameterValue>122
</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:DatalItem>

```

```

        <ns1:DatalItem>
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          <ns1:ParameterValue>0
        </ns1:ParameterValue>
          <ns1:ParameterType>NUMBER
        </ns1:ParameterType>
        </ns1:DatalItem>
        <ns1:DatalItem>
          <ns1:ParameterName>NETWORK_TOPUP_AVG_AMOUNT
        </ns1:ParameterName>
          <ns1:ParameterValue>1392.5
        </ns1:ParameterValue>
          <ns1:ParameterType>NUMBER
        </ns1:ParameterType>
        </ns1:DatalItem>
        <ns1:DatalItem>
          <ns1:ParameterName>NETWORK_TOPUP_MODAL_METHOD
        </ns1:ParameterName>
          <ns1:ParameterValue>MPESA</ns1:ParameterValue>
          <ns1:ParameterType>VARCHAR2
        </ns1:ParameterType>
        </ns1:DatalItem>
        <ns1:DatalItem>
          <ns1:ParameterName>NETWORKNUM_POSTPAID_BLOCKED</ns1:ParameterName>
          <ns1:ParameterValue>0</ns1:ParameterValue>
          <ns1:ParameterType>NUMBER
        </ns1:ParameterType>
        </ns1:DatalItem>
        <ns1:DatalItem>
          <ns1:ParameterName>NETWORK_POST_PAID_LIMIT
        </ns1:ParameterName>
          <ns1:ParameterValue>0</ns1:ParameterValue>
          <ns1:ParameterType>NUMBER
        </ns1:ParameterType>
        </ns1:DatalItem>
        <ns1:DatalItem>
          <ns1:ParameterName>NETWORK_TOWN
        </ns1:ParameterName>
          <ns1:ParameterValue>0
        </ns1:ParameterValue>
          <ns1:ParameterType>VARCHAR2
        </ns1:ParameterType>
        </ns1:DatalItem>
        <ns1:DatalItem>
          <ns1:ParameterName>OKOA_JAHAZI_NUM_OF_OVERDUE
        </ns1:ParameterName>
          <ns1:ParameterValue>3
        </ns1:ParameterValue>
          <ns1:ParameterType>NUMBER
        </ns1:ParameterType>
        </ns1:DatalItem>
        <ns1:DatalItem>

```

```

        <ns1:ParameterName>OKOA_JAHAZI_BLACKLISTED_DAYS
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    </ns1:ParameterValue>
        <ns1:ParameterType>NUMBER
    </ns1:ParameterType>
    </ns1:DatalItem>
    <ns1:DatalItem>
        <ns1:ParameterName>OKOA_JAHAZI_TOTAL_LOAN_TERM
    </ns1:ParameterName>
        <ns1:ParameterValue>168
    </ns1:ParameterValue>
        <ns1:ParameterType>NUMBER
    </ns1:ParameterType>
    </ns1:DatalItem>
    <ns1:DatalItem>
        <ns1:ParameterName>OKOA_JAHAZI_MAXIMUM_TERM</ns1:ParameterNam
e>
        <ns1:ParameterValue>2
    </ns1:ParameterValue>
        <ns1:ParameterType>NUMBER
    </ns1:ParameterType>
    </ns1:DatalItem>
    <ns1:DatalItem>
        <ns1:ParameterName>OKOA_JAHAZI_TOTAL_LOAN_AMOUNT
    </ns1:ParameterName>
        <ns1:ParameterValue>337</ns1:ParameterValue>
        <ns1:ParameterType>NUMBER
    </ns1:ParameterType>
    </ns1:DatalItem>
    <ns1:DatalItem>
        <ns1:ParameterName>OKOA_JAHAZI_FIRST_USE_RECENT
    </ns1:ParameterName>
        <ns1:ParameterValue>20230527
    </ns1:ParameterValue>
        <ns1:ParameterType>VARCHAR2</ns1:ParameterType>
    </ns1:DatalItem>
    <ns1:DatalItem>
        <ns1:ParameterName>OKOA_JAHAZI_LAST_USE_RECENT
    </ns1:ParameterName>
        <ns1:ParameterValue>20230721
    </ns1:ParameterValue>
        <ns1:ParameterType>VARCHAR2</ns1:ParameterType>
    </ns1:DatalItem>
    <ns1:DatalItem>
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e><
    ns1:ParameterValue>20230727

        </ns1:ParameterValue>
        <ns1:ParameterType>VARCHAR2
    </ns1:ParameterType>
    </ns1:DatalItem>

```



```

<ns1:Dataltem>
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</ns1:ParameterName>
  <ns1:ParameterValue>2023-04-22T00:00:00+03:00</ns1:ParameterValue>
  <ns1:ParameterType>DATE
</ns1:ParameterType>
</ns1:Dataltem>
<ns1:Dataltem>
  <ns1:ParameterName>MPESA_RECEIVED_ACCEPTORS
</ns1:ParameterName>
  <ns1:ParameterValue>4
</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:Dataltem>
<ns1:Dataltem>
  <ns1:ParameterName>MPESA_RECEIVED_HIGHEST</ns1:ParameterName>
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  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:Dataltem>
<ns1:Dataltem>
  <ns1:ParameterName>CURRENT_BONGA_PTS_BAL
</ns1:ParameterName>
  <ns1:ParameterValue>0
</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:Dataltem>
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  <ns1:ParameterName>SAMBAZA_AIRTIME_RCVD
</ns1:ParameterName>
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</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:Dataltem>
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  <ns1:ParameterName>TOTAL_CALLS_1_MNTH
</ns1:ParameterName>
  <ns1:ParameterValue>0</ns1:ParameterValue>
  <ns1:ParameterType>NUMBER
</ns1:ParameterType>
</ns1:Dataltem>
</ns1:DataResponse>
</Response>
</ns0:Response>

```

2. New Request | Response:

a. New Scorecard Parameters:

ENDPOINT: TBC	
Request Field	Field Type
MSISDN	VARCHAR

MSISDN	VARCHAR
Response_Code	INT
Response_Desc	STRING
First_Name	STRING
Last_Name	STRING
Document_ID	STRING
MPESA_MSISDN	NUMBER
EXTRACTION_DATE	NUMBER
KYC_MSISDN	NUMBER
DOB	NUMBER
MPSA_REGISTRATION_DATE	NUMBER
NETWORK_REGISTRATION_DATE	NUMBER
NUMBER_OF_ACTIVITY_DAYS	NUMBER
MPSA_DEPOSIT_AMOUNT_6M	NUMBER
MPSA_DEPOSIT_AMOUNT_3M	NUMBER
MPSA_DEPOSIT_NUMBER_6M	NUMBER
MPSA_WITHDRAW_AMOUNT_6M	NUMBER
MPSA_WITHDRAW_NUMBER_6M	NUMBER
MPSA_RECEIVED_AMOUNT_6M	NUMBER
MPSA_RECEIVED_AMOUNT_3M	NUMBER
MPSA_RECEIVED_NUMBER_6M	NUMBER
MPSA_RECEIVED_ACCEPTORS_6M	NUMBER
MPSA_SEND_AMOUNT_6M	NUMBER
MPSA_SEND_NUMBER_6M	NUMBER
MPSA_SEND_ACCEPTORS_6M	NUMBER
MPSA_TRAN_FROM_BANK_AMOUNT_6M	NUMBER
MPSA_TRAN_FROM_BANK_AMOUNT_3M	NUMBER
MPSA_TRAN_FROM_BANK_NUMBER_6M	NUMBER
MPSA_TRAN_FROM_BANK_ACCEPT_6M	NUMBER
MPSA_PAY_BILL_AMOUNT_6M	NUMBER
MPSA_PAY_BILL_NUMBER_6M	NUMBER
MPSA_BUY_GOODS_AMOUNT_6M	NUMBER
MPSA_BUY_GOODS_NUMBER_6M	NUMBER

b. Sample:

REQUEST:

```
<?xml version="1.0" encoding="UTF-8"?>
<ns0:Request xmlns:ns0="http://xmlns.example.com/1341933774185">
  <Request>
    <sch:DataRequest xmlns:SOAP-ENV="
      http://schemas.xmlsoap.org/soap/envelope/" xmlns:sch
      ="http://www.tibco.com/schemas/CreditScoring/SharedResources/Schemas/Sch
      ema.xsd" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
      <sch:MSISDN-796825983/><sch:MSISDN>
    </sch:DataRequest>
  </Request>
</ns0:Request>
<?xml version="1.0" encoding="UTF-8"?>
<ns0:Response xmlns:ns0="http://xmlns.example.com/1341933774185">
```

RESPONSE:

```
<SOAP-ENV:Envelope xmlns:SOAP-
ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <ns0:DataResponse xmlns:ns0="http://www.tibco.com/schemas/CreditScoring/Sha
redResources/Schemas/Schema.xsd">
      <ns0:MSISDN>797553179</ns0:MSISDN>
      <ns0:Response_Code>0</ns0:Response_Code>
      <ns0:Response_Desc>Success</ns0:Response_Desc>
      <ns0:BioDataResponse>
        <ns0:First_Name>Esther</ns0:First_Name>
        <ns0:Last_Name>Kinara</ns0:Last_Name>
        <ns0:Document_ID>3977720</ns0:Document_ID>
        <ns0:Mpesa_MSISDN>797553179</ns0:Mpesa_MSISDN>
      </ns0:BioDataResponse>
      <ns0:DataItem>
        <ns0:ParameterName>EXTRACTION_DATE</ns0:ParameterName>
        <ns0:ParameterValue>20240111</ns0:ParameterValue>
        <ns0:ParameterType>NUMBER</ns0:ParameterType>
      </ns0:DataItem>
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        <ns0:ParameterName>KYC_MSISDN</ns0:ParameterName>
        <ns0:ParameterValue>797553179</ns0:ParameterValue>
        <ns0:ParameterType>NUMBER</ns0:ParameterType>
      </ns0:DataItem>
      <ns0:DataItem>
        <ns0:ParameterName>DOB</ns0:ParameterName>
        <ns0:ParameterValue>19700101</ns0:ParameterValue>
        <ns0:ParameterType>NUMBER</ns0:ParameterType>
      </ns0:DataItem>
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        <ns0:ParameterName>MPSA_REGISTRATION_DATE</ns0:ParameterName>
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        <ns0:ParameterType>NUMBER</ns0:ParameterType>
      </ns0:DataItem>
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        <ns0:ParameterValue>20220925</ns0:ParameterValue>
        <ns0:ParameterType>NUMBER</ns0:ParameterType>
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      <ns0:DataItem>
        <ns0:ParameterName>NUMBER_OF_ACTIVITY_DAYS</ns0:ParameterName>
        <ns0:ParameterValue>10</ns0:ParameterValue>
        <ns0:ParameterType>NUMBER</ns0:ParameterType>
      </ns0:DataItem>
      <ns0:DataItem>
        <ns0:ParameterName>MPSA_DEPOSIT_AMOUNT_6M</ns0:ParameterName>
        <ns0:ParameterValue>0</ns0:ParameterValue>
        <ns0:ParameterType>NUMBER</ns0:ParameterType>
      </ns0:DataItem>
      <ns0:DataItem>
```

```
<ns0:ParameterName>MPSA_DEPOSIT_AMOUNT_3M</ns0:ParameterName>
<ns0:ParameterValue>0</ns0:ParameterValue>
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</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_DEPOSIT_NUMBER_6M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_WITHDRAW_AMOUNT_6M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_WITHDRAW_NUMBER_6M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_RECEIVED_AMOUNT_6M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_RECEIVED_AMOUNT_3M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_RECEIVED_NUMBER_6M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_RECEIVED_ACCEPTORS_6M</ns0:ParameterName>
e>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_SEND_AMOUNT_6M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
  <ns0:ParameterType>NUMBER</ns0:ParameterType>
</ns0:DatalItem>
<ns0:DatalItem>
  <ns0:ParameterName>MPSA_SEND_NUMBER_6M</ns0:ParameterName>
  <ns0:ParameterValue>0</ns0:ParameterValue>
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