OBJECTIVE

The objective of this document is to define the message specification between the web service and third party client platforms.

SERVICE SPECIFICATION

The service implements the following specifications: SOAP Protocol with simple HTTP Basic Authentication for message security and authentication. The transport is HTTP, and message encoding is Text/XML

WEB SERVICE API

The service has only one method which enables clients to send request payloads to the core banking system. The method name is **sendTransaction.** It takes a string as input and returns a string in response. The input string must conform to XML syntax. The service also ensures that response is formatted in XML and conforms to XML syntax.

The elements contained in the Request & Response payloads are defined as follows:

FULL STATEMENT INQUIRY MESSAGE DEFINITION

REQUEST MESSAGE DEFINITION

XML FIELD NAME	DESCRIPTION	MAX SIZE	LENGTH OPTION	DATA TYPE	FORMAT
PROCESSING_CODE	PROCESSING CODE	2	FIXED	NUMERIC	
TRAN_CRNCY_CODE	TRAN CURRENCY CODE	3	FIXED	ALPHA	
DR_ACCT_NUM	DEBIT/INQUIRY ACCOUNT NUMBER	38	VARIABLE	ALPHA NUMERIC	
COUNTRY_CODE	ISO 3 XTER ALPHA COUNTRY CODE	3	FIXED	ALPHA	

RESPONSE MESSAGE DEFINITION					
XML FIELD NAME	DESCRIPTION	MAX SIZE	LENGTH OPTION	DATA TYPE	FORMAT
AVAILABLE_BALANCE	CUURENT AVAILABLE BALANCE	17	VARIABLE	NUMERIC	
LEDGER_BALANCE	CURRENT LEDGER BALANCE	17	VARIABLE	NUMERIC	
BALANCE_CURRENCY	BALANCE CURRENCY	17	VARIABLE	NUMERIC	
ACTION_CODE	RESPONSE CODE ('000' for Success; otherwise Failure)	10	VARIABLE	STRING	
ACCOUNT_INFO	PARENT TAG FOR ACCOUNT DETAILS				
ACCT_NAME	ACCOUNT NAME	80	VARIABLE	STRING	
SCHM_TYPE	ACCOUNT SCHEME (LIKE CURRENT, SAVINGS ETC)	9	VARIABLE	STRING	
ACCT_STATUS	STATUS OF ACCOUNT(I=INACTIVE;D=DORMANT;A=ACTIVE)	1	VARIABLE	NUMERIC	
ACCT_SOL_ID	SOL ID OF THE ACCOUNT	8	VARIABLE	STRING	
SCHM_CODE	ACCOUNT SUB TYPE	6	VaRIABLE	STRING	

CUSTOMER_INFO	PARENT TAG FOR CUSTOMER DETAILS				
CUST_ID	CUSTOMER ID	9	FIXED	STRING	
CUST_NAME	CUSTOMER NAME	80	VARIABLE	STRING	
EMAIL	CUSTOMER EMAIL ADDRESS	50	VARIABLE	STRING	
PHONENO	CUSTOMER PHONE NUMBER	40	VARIABLE	STRING	

API WSDL

The service descriptor language is accessible at the address below. <nated-ip> will be provided for the UAT environment on request.

http://<nated-ip>:7808/cba/wbs?wsdl

SAMPLE REQUEST:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:fin="http://finaclews.org">

  <soapenv:Header/>

  <soapenv:Body>

    <fin:sendTransaction>

<arg0><![CDATA[<C24TRANREQ><PROCESSING_CODE>82</PROCESSING_CODE><DR_ACCT_NUM>1009399421</DR_ACCT_NUM><TRAN_CRNCY_CODE>NGN</TRAN_CRNCY_CODE><COUNTRY_CODE>NGA</COUNTRY_CODE></C24TRANREQ>]]></arg0>

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        </fin:sendTransaction>

    </soapenv:Body>

</soapenv:Envelope>
```

SAMPLE RESPONSE:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">

  <soap:Body>

    <ns1:sendTransactionResponse xmlns:ns1="http://finaclews.org">

      <return><![CDATA[<?xml version="1.0" encoding="UTF-
8"?><C24TRANRES><ACTION_CODE>000</ACTION_CODE><STAN>1768015</STAN><TRAN_DATE_TIME>20151113173658
</TRAN_DATE_TIME><AVAILABLE_BALANCE>+0000000000213256</AVAILABLE_BALANCE><LEDGER_BALANCE>+000000
0000213256</LEDGER_BALANCE><BALANCE_CURRENCY>NGN</BALANCE_CURRENCY><COUNTRY_CODE>NGA</COUN
TRY_CODE><ACCOUNT_INFO><ACCT_NAME>UGWU,
JUACHUKWU</ACCT_NAME><SCHM_TYPE>ODA</SCHM_TYPE><ACCT_STATUS>A</ACCT_STATUS><ACCT_SOL_ID>099
9</ACCT_SOL_ID><SCHM_CODE>CASTF</SCHM_CODE><GL_SUB_HEAD>21008</GL_SUB_HEAD><LIEN_AMT>+0000000
000000000</LIEN_AMT></ACCOUNT_INFO><CUSTOMER_INFO><CUST_ID>003403757
</CUST_ID><CUST_NAME>JUACHUKWU C UGWU
</CUST_NAME><PHONENO>2348036636027</PHONENO><EMAIL></EMAIL></CUSTOMER_INFO></C24TRANRES>]]></retur
n>

    </ns1:sendTransactionResponse>

  </soap:Body>

</soap:Envelope>
```