

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	Default Value 31
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	

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>
```

```
<!--Optional:-->
```

```
<arg0>
```

```
<![CDATA[<C24TRANREQ><PROCESSING_CODE>31</PROCESSING_CODE><COUNTRY_CODE>NG  
A</COUNTRY_CODE><DR_ACCT_NUM>1005847601</DR_ACCT_NUM></C24TRANREQ>
```

```
]]>
```

```
</arg0>
```

```
</fin:sendTransaction>
```

```
</soapenv:Body>
```

```
</soapenv:Envelope>
```

SAMPLE RESPONSE:

<NS1:Envelope xmlns:NS1="http://schemas.xmlsoap.org/soap/envelope/">

<NS1:Body>

<NS2:sendTransactionResponse xmlns:NS2="http://finaclews.org">

<return><![CDATA[<?xml version="1.0" encoding="UTF-8"?><C24TRANRES><ACTION_CODE>000</ACTION_CODE><STAN>201603151627</STAN><TRAN_DATE_TIME>20160310151627</TRAN_DATE_TIME><AVAILABLE_BALANCE>+0000000033652153</AVAILABLE_BALANCE><LEDGER_BALANCE>+0000000033652155</LEDGER_BALANCE><BALANCE_CURRENCY>NGN</BALANCE_CURRENCY><COUNTRY_CODE>NGA</COUNTRY_CODE></C24TRANRES>]]></return>

</NS2:sendTransactionResponse>

</NS1:Body>

</NS1:Envelope>