**BVN VALIDATION WEB SERVICE SPECIFICATION DOCUMENT**

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**BVN VALIDATION WEB SERVICE SPECIFICATION**

**INTRODUCTION**

NIBSS has developed a portal where Banks and other interested parties verifies the details a BVN enrolment via BVN. In order to use this portal, a user visits the url via a browser and log in with a user name and password. This user if permitted, can search for an enrolment using the supplied biometric validation number (bvn). Some Banks don’t want their users visit this portal instead they want to integration this validation functionality into their existing application hence this document.

This document describes a web interface between such application running in the Bank/interested parties and NIBSS validation portal. It must be implemented by the Bank/interested parties in order to have access to this service. Additionally, this service uses NIBSS SSM libraries in decrypting requests and encrypting responses. This means that connecting parties must share their public key with NIBSS and also get NIBSS public key. The exchanged messages are all encrypted.

BANKS/INTERESTED PARTIES

SOAP REQUEST

NIBSS

SOAP RESPONSE

FIG 1

**SPECIFICATION DETAILS**

**1. Technology**

This specification must be implemented as SOAP web service. The SOAP version must be at least 1.1.

**2. Functions**

**2.1** VerifySingleBVN

**Interface method:**

“verifySingleBVN *(String searchInput) : String*”

Please note that the signature of this method is case sensitive and has to be defined exactly as described.

**Parameters:**

*String BVN*

This is an encrypted bvn string supplied as an argument to the function.

*String bankCode*

This is an unencrypted bank Code

**Return value:**

*String*   
The method returns an XML string defined below.

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<SearchResult>

<ResultStatus>00</ResultStatus>

<BvnSearchResult>

<Bvn>22222222222</Bvn>

<FirstName>CHIJIOKE</FirstName>

<MiddleName>JJC</MiddleName>

<LastName>OKECHUKWU</LastName>

<DateOfBirth>22-OCT-70</DateOfBirth>

<PhoneNumber>08146703440</PhoneNumber>

<RegistrationDate>16-NOV-14</RegistrationDate>

<EnrollmentBank>900</EnrollmentBank>

<EnrollmentBranch>Victoria Island</EnrollmentBranch>

<ImageBase64>Too long to be pasted here</ImageBase64>

</BvnSearchResult>

</SearchResult>

The returned xml will be encrypted. The sample above is a decrypted result.

**2.2** verifyMultipleBVNs

**Interface method:**

“verifyMultipleBVNs *(String searchInput) : String*”

Please note that the signature of this method is case sensitive and has to be defined exactly as described.

**Parameters:**

*String BVNs*

This is an encrypted comma separated bvn string supplied as an argument to the function. The number of bvns must not be greater than 200.

*String bankCode*

This is an unencrypted bank Code

**Return value:**

*String*   
The method returns an XML string defined below.

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>

<SearchResults>

<RequestStatus>00</RequestStatus>

<ResultList>

<SearchResult>

<ResultStatus>00</ResultStatus>

<BvnSearchResult>

<Bvn>22222222222</Bvn>

<FirstName>BUKKY</FirstName>

<MiddleName>\_</MiddleName>

<LastName>LALLANA</LastName>

<DateOfBirth>29-JUL-84</DateOfBirth>

<PhoneNumber>08032009396</PhoneNumber>

<RegistrationDate>16-NOV-14</RegistrationDate>

<EnrollmentBank>900</EnrollmentBank>

<EnrollmentBranch>IKOYI</EnrollmentBranch>

<ImageBase64>Too long to be pasted here</ImageBase64>

</BvnSearchResult>

</SearchResult>

<SearchResult>

<ResultStatus>00</ResultStatus>

<BvnSearchResult>

<Bvn>22222222223</Bvn>

<FirstName>GODSWILL</FirstName>

<MiddleName>CHARLES</MiddleName>

<LastName>OGUNKAMISI</LastName>

<DateOfBirth>06-AUG-48</DateOfBirth>

<PhoneNumber>08035761162</PhoneNumber>

<RegistrationDate>16-NOV-14</RegistrationDate>

<EnrollmentBank>900</EnrollmentBank>

<EnrollmentBranch>UMUAHIA 1 BO</EnrollmentBranch>

<ImageBase64>Too long to be pasted here</ImageBase64>

</BvnSearchResult>

</SearchResult>

<SearchResult>

<ResultStatus>00</ResultStatus>

<BvnSearchResult>

<Bvn>22222222224</Bvn>

<FirstName>FABIA</FirstName>

<MiddleName>ODES</MiddleName>

<LastName>ODEDEJI</LastName>

<DateOfBirth>14-MAR-84</DateOfBirth>

<PhoneNumber>\_</PhoneNumber>

<RegistrationDate>16-NOV-14</RegistrationDate>

<EnrollmentBank>900</EnrollmentBank>

<EnrollmentBranch>UMUAHIA 1 BO</EnrollmentBranch>

<ImageBase64>Too long to be pasted here</ImageBase64>

</BvnSearchResult>

</SearchResult>

</ResultList>

</SearchResults>

The returned xml will be encrypted. The sample above is a decrypted result.

**RESULT STATUS CODES**

|  |  |  |  |
| --- | --- | --- | --- |
| *NO* | *Codes* | *Descriptions* | *Next Action* |
|  |  |  |  |
| *1* | *00* | *Success* | *Display: The function call was successful* |
| *2* | *01* | *BVN does not exist* | *Display: The searched BVN does not exist.* |
| *3* | *02* | *Invalid BVN* | *Display: The searched BVN is invalid.* |
| *4* | *03* | *Invalid BVN Size* | *Display: The maximum number of BVN in the request is more than 200.* |
| *5* | *04* | *Invalid Bank code* | *Display: Invalid Bank code* |
| *6* | *05* | *Invalid request* | *Display: The request sent to the server is invalid* |
| *7* | *06* | *Server Error* | *Display: An Error occurred while server was processing the request. Please contact your system administrator.* |