**BVN CUSTOMER UPDATE WEB SERVICE SPECIFICATION DOCUMENT**

**Version: 1.0**

**Date: 17-03-2015**

**Level: 1**

**Subject: BVN Customer update Web Service Specification**

March 2015, NIBSS PLC,

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| **Technical Data** |  |
| Reference | Specification document |
| Document Title: | BVN customer update web service specification |
| Version: | 1.0 |
| Document type: | Standard |
| Document level: | Level 1 |
| Responsible area: | System Integration (Software Development) |
|  |  |

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| **Revisions** |  |  |  |  | |
|  |  |  | |  | |
| **Version** | **Data** | **Description** | |  | **Author** |
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**BVN CUSTOMER UPDATE WEB SERVICE SPECIFICATION**

**INTRODUCTION**

The BMS solution, developed by Dermalog, has been in use for several months in capturing customer’s personal and biometric details. Customer’s personal details can be pulled from bank records or captured while capturing biometric information. Over the months, it has been observed that personal data like first name, last name etc has often been misspelt hence this specification.

This document describes a web interface that Banks can implement in order to update such misspelt data. 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** Update Customer

**Interface method:**

“updateCustomer *(String updateDetails, String bankCode) : String*”

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

**Parameters:**

*String updateDetails*

This is an encrypted xml string supplied as an argument to the function. This xml String contains customer details to be updated

**Sample xml**

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

<UpdateDetail>

<BVN>22222222222</BVN>

<Email OldEmail="unwanyanwu@nibss.com" NewEmail=[unwanyanwu@nibss-plc.com.ng](mailto:unwanyanwu@nibss-plc.com.ng) ReasonForChange=”Wrong email was entered previously” />

<FirstName OldFirstName="Uchkkkkkkkk" NewFirstName="Uchenna" ReasonForChange=”Wrong first name was entered previously” />

<Gender OldGender="Female" NewGender="Male" ReasonForChange=”Wrong gender was entered previously” />

<LastName OldLastName="Nwan9844uu" NewLastName="Nwanyanwu" ReasonForChange=”Wrong last name was entered previously” />

<LevelOfAccount OldLevelOfAccount="Level 1" NewLevelOfAccount="Level 1 - Low Level Accounts" ReasonForChange=”Wrong level of account was entered previously” />

<LgaOfOrigin OldLgaOfOrigin="Aba-South" NewLgaOfOrigin="Owerri-South" ReasonForChange=”Wrong lga of origin was entered previously” />

<LgaOfResidence OldLgaOfResidence="Ikorodu" NewLgaOfResidence="Eti-Osa" ReasonForChange=”Wrong lga of residence was entered previously” />

<MaritalStatus OldMaritalStatus="Married" NewMaritalStatus="Single" ReasonForChange=”Wrong marital status was entered previously” />

<MiddleName OldMiddleName="Innoc88888" NewMiddleName="Innocent" ReasonForChange=”Wrong middle name was entered previously” />

<NIN OldNIN="000000001" NewNIN="222222222" ReasonForChange=”Wrong nin was entered previously” />

<NameOnCard OldNameOnCard="Nwanyanwu Uchenna" NewNameOnCard="Uchenna Innocent Nwanyanwu" ReasonForChange=”Wrong name on card was entered previously” />

<Nationality OldNationality="Syria" NewNationality="Nigeira" ReasonForChange=”Wrong nationality was entered previously” />

<PhoneNumber1 OldPhoneNumber1="11111111111" NewPhoneNumber1="22222222222" ReasonForChange=”Wrong phone number 1 was entered previously” />

<PhoneNumber2 OldPhoneNumber2="11111111111" NewPhoneNumber2="22222222222" ReasonForChange=”Wrong phone number 2 was entered previously” />

<ResidentialAddress OldResidentialAddress="22 Ajegunle Street" NewResidentialAddress="1 Lekki Phase 1" ReasonForChange=”Wrong residential address was entered previously” />

<StateOfOrigin OldStateOfOrigin="Abia" NewStateOfOrigin="Imo" ReasonForChange=”Wrong state of origin was entered previously” />

<StateOfResidence OldStateOfResidence="Abia" NewStateOfResidence="Lagos" ReasonForChange=”Wrong state of residence was entered previously” />

<Title OldTitle="Engr." NewTitle="Chief" ReasonForChange=”Wrong title was entered previously” />

<DateOfBirth OldDateOfBirth="23-Oct-1972" NewDateOfBirth="23-Oct-1982" ReasonForChange=”The customer is younger” />

</UpdateDetail>

*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"?>

<UpdateResult>

<ResultStatus>00</ResultStatus>

</ UpdateResult >

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

1. **RESULT STATUS CODES**

|  |  |  |  |
| --- | --- | --- | --- |
| *NO* | *Codes* | *Descriptions* | *Next Action* |
|  |  |  |  |
| *1* | *00* | *Success* | *Display: The function call was successful* |
| *2* | *01* | *Invalid fields* | *Display: No fields was supplied in the request xml for update* |
| *3* | *02* | *Invalid BVN* | *Display: BVN field was empty. This is a required field* |
| *4* | *03* | *BVN does not exist* | *Display: BVN does not exist* |
| *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.* |
| *8* | *07* | *Invalid Length* | Display: Last Name Length should be less than or equal to 50 |
| *9* | *08* | *Invalid Length* | Display: First Name Length should be less than or equal to 50 |
| *10* | *09* | *Invalid Value* | Display: Gender should be Male or Female |
| *11* | *10* | *Invalid Value* | Display: Marital Status should be Single, Married, Widower, Widow, Divorcee or Separated |
| *12* | *11* | *Invalid Length* | Display: Nationality Length should be less than or equal to 40 |
| *13* | *12* | *Invalid Length* | Display: State of origin Length should be less than or equal to 30 |
| *14* | *13* | *Invalid Value* | Display: Level of Account should be Level 1 - Low Level Accounts, Level 2 - Medium Level Accounts or Level 3 - High Level Accounts |
| *15* | *14* | *Invalid Length* | Display: LGA of Origin Length should be less than or equal to 30 |
| *16* | *15* | *Invalid Length* | Display: LGA of residence Length should be less than or equal to 30 |
| *17* | *16* | *Invalid Length* | Display: Title Length should be less than or equal to 20 |
| *18* | *17* | *Invalid Length* | Display: State of residence Length should be less than or equal to 30 |
| *19* | *18* | *Invalid Length* | Display: Residential Address Length should be less than or equal to 120 |
| *20* | *19* | *Invalid Length* | Display: Phone Number 1 Length should be less than or equal to 16 |
| *21* | *20* | *Invalid Length* | Display: Phone Number 2 Length should be less than or equal to 16 |
| *22* | *21* | *Invalid Length* | Display: NIN Length should be less than or equal to 50 |
| *23* | *22* | *Invalid Length* | Display: Name on card Length should be less than or equal to 30 |
| *24* | *23* | *Invalid Length* | Display: Middle Name Length should be less than or equal to 50 |
| *25* | *34* | *Mandatory field* | Display: Last Name is mandatory |
| *26* | *25* | *Mandatory field* | Display: First Name is mandatory |
| *27* | *26* | *Mandatory field* | Display: Level of Account is mandatory |
| *28* | *27* | *Mandatory field* | Display: Reason for change is mandatory |
| *29* | *28* | *Invalid Date* | Display: Date of birth is invalid |
| *30* | *29* | *Mandatory Field* | Display: Date of birth is mandatory |

# Bank Code

|  |  |  |
| --- | --- | --- |
| ***S/N*** | ***Bank Code*** | ***Bank Name*** |
| *1.* | *044* | *Access Bank* |
| *2.* | *023* | *CitiBank* |
| *3.* | *063* | *Diamond Bank* |
| *4.* | *050* | *EcoBank* |
| *5.* | *084* | *Enterprise Bank* |
| *6.* | *214* | *FCMB* |
| *7.* | *070* | *Fidelity Bank* |
| *8.* | *011* | *First Bank* |
| *9.* | *058* | *GTBank* |
| *10.* | *030* | *Heritage Bank* |
| *11.* | *301* | *Jaiz Bank* |
| *12.* | *082* | *Keystone* |
| *13.* | *014* | *Mainstreet* |
| *14.* | *076* | *Skye Bank* |
| *15.* | *221* | *StanbicIBTC* |
| *16.* | *068* | *Standard Chartered* |
| *17.* | *232* | *Sterling Bank* |
| *18.* | *033* | *UBA* |
| *19.* | *032* | *Union Bank* |
| *20.* | *215* | *Unity Bank* |
| *21.* | *035* | *Wema Bank* |
| *22.* | *057* | *Zenith Bank* |
| *23.* | *501* | *FSDH* |
| *24.* | *502* | *RAND* |

# Month Format

|  |  |
| --- | --- |
| ***S/N*** | ***Month*** |
| *1.* | *Jan* |
| *2.* | *Feb* |
| *3.* | *Mar* |
| *4.* | *Apr* |
| *5.* | *May* |
| *6.* | *Jun* |
| *7.* | *Jul* |
| *8.* | *Aug* |
| *9.* | *Sep* |
| *10.* | *Oct* |
| *11.* | *Nov* |
| *12.* | *Dec* |