



| API Name        |         | Institution Invoice Details                                          |
|-----------------|---------|----------------------------------------------------------------------|
| Document Owner  |         | NMB Bank PLC.                                                        |
| Date            | Version | Remarks                                                              |
| August 07, 2022 | V 1.2   | Header parameter<br>Authorization : Basic Base64(username: password) |

## 1. Introduction

This API document detailed the integration between One Stop Centre and Institution system. This standard API is used to receive institution invoice details. Below are the integration requirements which are expected to be shared by the respective institution;

- ❖ Cargo Declaration Details API Interface
  - The interface will be consumed with One Stop Centre to submit cargo details to the respective institution for the invoice generation.
- ❖ Settlement/Payment Notification API Interface
  - The interface will be consumed with One Stop Centre for sending fund distribution notification after the payment of global control number. Refer on the payload shared below.
- ❖ Institution Applicable charges and service must be shared to One Stop Centre System
  - Details will be used to identify the involvement of the respective institution on the workflow of clearing the cargo from the port.
- ❖ Connectivity
  - Network connectivity between one stop centre system and institution system.

## 2. Cargo Declaration Details Submission

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| URL                         | URL to be shared by the Institution                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Method                      | POST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Header Parameters           | <ul style="list-style-type: none"><li>- Content-Type: application/json or application/xml</li><li>- Authorization: Basic Base64(username:password)</li><li>- Accept: application/json or application/xml</li></ul>                                                                                                                                                                                                                                                                                |
| <b>Sample JSON Payloads</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Import Declaration Details  | <pre>{   "referenceNumber": "SDFL-4SFA9-ASDF9890",   "declarationReference": "SDFL-4SFA9-ASDF9890",   "vessel": {     "shippingLine": "MAERSK",     "name": "CALEDONIA",     "voyage": "VP-230",     "code": "00123",     "expectedArrivalDate": "2022-03-01 15:00:00",     "expectedDepartureDate": "2022-03-10 15:00:00",     "actualArrivalDate": "2022-03-03 15:00:00",     "dockingDate": "2022-03-06 15:00:00",     "dockingDepartureDate": "2022-03-11 15:00:00"   },   "bolList": [</pre> |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <pre> {   "blNumber": "DASL-99-JKKSDFA",   "originalBINumber": "DASL-99-JKKSDFA",   "notifyParty": {     "name": "BOPAR ENTERPRISES LTD.",     "address": "P.O.BOX 2014, DSM",     "email": "myemail@domain.com",     "phone": "+255682009455"   },   "agent": {     "name": "Al Nassor",     "address": "P.O.BOX 2014, DSM",     "email": "myemail@domain.com",     "phone": "+255682009455",     "code": "AL-NOR-234"   },   "consignee": {     "name": "Issa &amp; Sons",     "address": "P.O.BOX 2014, DSM",     "email": "myemail@domain.com",     "phone": "+255682009455"   },   "port": {     "loading": "ZANZIBAR",     "discharge": "DSM",     "delivery": "DSM"   },   "do": {     "number": "DO-123-678",     "issue_date": "2022-02-28",     "expiry_date": "2022-03-06"   },   "cargoList": [     {       "containerNumber": "SDKJSDF-49293SF-AF",       "originalContainerNumber": "SDKJSDF-49293SF-AF",       "containerSize": "40",       "containerType": "40DV",       "containerContent": "FULL",       "containerOwnership": "FULL",       "containerRemarks": "LOOSE CARGO",       "lastUpdated": "2022-02-28 15:00:00",       "weight": "27830",       "temperature": 0,       "isElectric": 0,       "cargoType": "CONTAINER",       "seal": null,       "sealType": null,       "cbm": 0,       "products": [         { </pre> |
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|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <pre>"productId": 99, "productName": "car", "productHsCode": "140277", "description": "CAR", "chassisNumber": "GX-SDFAD-AKSAF", "originalChassisNumber": "SDKJSDF-49293SF-AF", "unit": "1", "condition": "New", "grossWeight": "23800", "tareWeight": "4500", "volume": "1000", "fob": {   "amount": "100000000",   "currency": "TZS" }, {   "productId": 100,   "productName": "motorcycle",   "productHsCode": "140101",   "description": "HONDA",   "chassisNumber": "R1200GS-WB",   "originalChassisNumber": "SDKJSDF-49293SF-AF",   "unit": "1",   "condition": "Used",   "grossWeight": "23800",   "tareWeight": "4500",   "volume": "1000",   "fob": {     "amount": "150000000",     "currency": "TZS"   } } ], "attachments": [   {     "name": "Invoice",     "attachmentId": 36,     "file":       "data:application/pdf;base64,+hJCtpzIfmsBWMOLFUDVuOTx8X14FM0F/XT0RvWh       KYN+WTrUsn7UXG9f+03beMAru0xeC5e63cMcNJfvuXUv+YfaH/bzsdS/b3QgOCAwI       FlvSW5mbyA5IDAgUi9JRCBbPDcyOWFIzmZjYzExMGViNWVhMzVjNDJlY2Q3ZjJlNT       A4Pjw3MjJhZWZmY2MxMTBlYjYlYTM1YzQyZWnkN2YyZTUwOD5dPj4KJWIUZxh0L       TUuNS4xMwpzdGFydHhyZWYKNTczMwolJUVPRgo=",     "referenceNumber": null   },   {     "name": "BL",     "attachmentId": 35,</pre> |
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|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | <pre> "file": "data:application/pdf;base64,JVBERi0xLjQKJeLjz9MKMSAwIG9iago8PC9UeXBIL1h PYmplY3QvU3VidHlwZS9JbWFnZS9XaEtJscJY0ISRaxNrYhTzUB7G0JWLR0zR4lhZVFA 31LNUliaVeq+pFUORFxBJboqFCCLEFKY1ElmnFxyP4SWST++69c869M/e3xBY9//xm zjkz871zz5n5ztwfldUuVs4ebboNGL8g7LufYuKPJJ+=", "referenceNumber": null }, { "name": "Packing List", "attachmentId": 32, "file": "data:application/pdf;base64,JVBERi0xLjQKJeLjz9MKMSAwIG9iago8PC9UeXBIL1h PYmplY3QvU3VidHlwZS9JbWFnZS9XaEtJscJY0ISRaxNrYhTzUB7G0JWLR0zR4lhZVFA 31LNUliaVeq+pFUORFxBJboqFCCLEFKY1ElmnFxyP4SWST++69c869M/e3xBY9//xm zjkz871zz5n5ztwfldUuVs4ebboNGL8g7LufYuKPJJ+=" </pre>                                                                                                                                 |
| Success Response | <pre> { "success": true, "data": [ { "id": 4, "bl": "MEDUBA643148", "reference": "SFDLKS90-SDF", "shipco_reference": "BF903094HJKL", "notify_party": { "name": "BOPAR ENTERPRISES LTD.", "address": "P.O.BOX 2014, DSM", "email": "myemail@domain.com", "phone": "+255682009455" }, "consignee": { "name": "BOPAR ENTERPRISES LTD.", "address": "P.O.BOX 2014, DSM", "email": "myemail@domain.com", "phone": "+255682009455" }, "port": { "loading": "ZANZIBAR", "discharge": "DSM", "delivery": "DSM" }, "delivery_order": { "number": "DO-123-900", "issue_date": "2022-02-28", "expiry_date": "2022-03-06" }, "invoices": [], "cargos": [ { "category": 1, "product": 3, "hs_code": "401.10.2005", "description": "CARGO DESCRIPTION", "chassis_no": null, </pre> |

|                  |                                                                                                                                                                                                                                                                                                                                                                          |
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|                  | <pre> "unit": "23800", "gross_weight": "23800", "tare_weight": "4500", "volume": "2000", "container_no": "SEGU2786325", "container_type": "40DV", "container_content": "FULL", "container_ownership": "FULL", "container_weight": "27830", "container_remarks": "MAIZE (CORN)- OTHER" } ], "attachments": [] } ], "message": "Declaration successfully created" } </pre> |
| Failure Response | <pre> {   "success": false,   "message": "Failure Message" } </pre>                                                                                                                                                                                                                                                                                                      |

### 3. Institution Invoice Details Submission

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| URL                              | https://oscapi-test.nmbtz.com/api/v1/invoices                                                                                                                                                                                                                                                                                                                                                                                      |
| Method                           | POST                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Header Parameters                | <ul style="list-style-type: none"> <li>- Content-Type: application/json or application/xml</li> <li>- Authorization: Basic Base64(username:password)</li> <li>- Accept: application/json or application/xml</li> </ul>                                                                                                                                                                                                             |
| <b>Sample JSON Payloads</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Service Provider Invoice Details | <pre> {   "number": "BR8993HJ",   "biNumber": "Non.303238",   "controlNumber": 9099490300000,   "declarationReference": "509b5253-4fc2-373a-ad36-2e7eedbaad08",   "amount": "89000",   "currency": "TZS",   "duration": 6,   "dueDate": "2022-02-04",   "services": [     {       "gfsCode": "GFS03-4I93D",       "amount": "89000",       "currency": "TZS",       "description": "blah blah blah description"     }   ] } </pre> |

|                  |                                                                                                                                                                                                                                                                                                                                                                  |
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| Success Response | <pre>{   "success": true,   "data": [     {       "id": 4,       "osc_reference": "0994SHKSD-DSD",       "institute": "ZPC",       "amount": 190000,       "services":[         {           "gfs_code": "994H-C",           "amount": 48900,           "original_amount": 48900         }       ]     }   ],   "message": "Invoice successfully created" }</pre> |
| Failure Response | <pre>{   "success": false,   "message": "Failure Message" }</pre>                                                                                                                                                                                                                                                                                                |

#### 4. SETTLEMENT/PAYMENT NOTIFICATION INTERFCE

This is an interface which is expected to be exposed to OSC for submitting fund distribution processing status.

|                              |                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| URL                          | URL to be shared by the Institution                                                                                                                                                                                                                                                                                                                                      |
| Method                       | POST                                                                                                                                                                                                                                                                                                                                                                     |
| Header Parameters            | <ul style="list-style-type: none"> <li>- Content-Type: application/json or application/xml</li> <li>- Authorization: Basic Base64(username:password)</li> <li>- Accept: application/json or application/xml</li> </ul>                                                                                                                                                   |
| <b>Sample JSON Payloads</b>  |                                                                                                                                                                                                                                                                                                                                                                          |
| Payment Notification Details | <pre>{   "transactionReference": "OSC45078200",   "status": "success",   "paymentDetails": {     "spOriginalInvoiceNumber": "GWX900673400",     "globalPaymentControlNumber": "9975317829",     "amount": "10000"     "billCurrency": "TZS"     "bankRefNumber": "FTIP2743285"     "date": ""     "paymentChannel": "NMB"     "remarks": "Vehicle Clearance"   } }</pre> |

|                             |                                                                                                             |
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| Acknowledgement<br>Response | <pre>{<br/>  "success": true,<br/>  "data": {<br/>  },<br/>  "message": "Received successfully"<br/>}</pre> |
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**Note:**

- All fields Data Type must be string