

NSSF IMPLEMENTATION PLAN.

SOAP REQUESTS & RESPONSES.

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DEFINED IMPLEMENTATION CRITERIA.

Defined Data Formats

This is a SOAP (XML) request. The requests shall be sent to the end-point URL:

<https://hostname:port/V3/agency/agency.php?wsdl>

Defined Request Fields

The following are predefined fields in the request body to be used as necessary:

- **signature**: This field is autogenerated by the Agent Banking source code & is unique for each request sent.
- **terminalid**: This field is used to identify the Banking Agent performing the transaction. This field must be populated.
- **requestid**: This field is used to uniquely identify each request sent to the Agent Banking Platform. This field must be populated.
- **serviceid**: This field is used to define the Biller that is being requested for this specific request. The default value for this field is “NSSF”.
- **requestop**: This field is used to describe the request operation being accessed from the defined **serviceid**. The various request operations are defined later in this document.

The following are predefined fields that are returned in response bodies to be accessed as necessary:

- **serviceid**: This field is used to define the Biller that is being requested for this specific request. The default value for this field is “NSSF”.
- **requestop**: This field is used to describe the request operation being accessed from the defined **serviceid**. The various request operations are defined later in this document.
- **signature**: This field is autogenerated by the Agent Banking source code & is unique for each request sent.
- **status code**: This field is used to define the status code of a request sent. A status code of “1” indicates success while a status code of “0” indicates a failure.
- **status desc**: This field is used to describe the status of a sent request. This value can either be “SUCCESS” or “FAIL”.
- **trancharge**: This field is used to define the transaction charges (if any) for each request sent.
- **exciseduty**: This field is used to define the excise duty tax (if any) levied on each request sent.

NSSF REQUEST OPERATION METHODS:

1) GETNSSFNUMBER

➤ Sample Request Body

```
<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">
  <Body>
    <CallJabelService xmlns="urn:AgencyBanking">
      <signature>[string]</signature>
      <terminalid>20000005</terminalid>
      <requestid>339070798</requestid>
      <serviceid>NSSF</serviceid>
      <requestop>GETNSSFNUMBER</requestop>
      <queryfield0>9108703806593</queryfield0>
      <queryfield1>100000</queryfield1>
      <queryfield2>[string]</queryfield2>
      <queryfield3>[string]</queryfield3>
      <queryfield4>[string]</queryfield4>
      <queryfield5>[string]</queryfield5>
      <queryfield6>[string]</queryfield6>
      <queryfield7>[string]</queryfield7>
      <queryfield8>[string]</queryfield8>
      <queryfield9>[string]</queryfield9>
    </CallJabelService>
  </Body>
</Envelope>
```

The following are the queryfield definitions:

- **queryfield0**: The NSSF number of the customer performing the transaction.
- **queryfield1**: The amount of money being transacted for that request.

➤ Sample Response Body

```
<?xml version="1.0" encoding="ISO-8859-1"?>

<soapenv:Envelope
  soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:gtp="http://gtplimited.com/" xmlns:ser="http://gtplimited.com/">

  <soapenv:Body>

    <ns1:CallJabelServiceResponse xmlns:ns1="urn:AgencyBanking">

      <serviceid xsi:type="xsd:string">NSSF</serviceid>

      <requestop xsi:type="xsd:string">GETNSSFNUMBER</requestop>

      <signature
        xsi:type="xsd:string">vsQsLOnMTKZGmG7hzJOxjY09v5dHGoJOdO9Jyo9swN
        rXkhg/dtptHmUb/nUhe43dD68PBjLXuXOV1Lxs/oF44zCoBzci172738FVw3X/
        Kab3/LpVaRuoXttz0lHONWwiMb5QvTNp6BAC130nfVfI1gpr9tHvil7dWToGC
        6Zitc312m8ZfrS2dQ0Qlb5omxyUIRzwUpT0WyFe2Kcc33cfNZ8qXsmHTbVz2
        NQGQbdUPgPPj2oc4ERpG+01a4jLYsIY/YIUK9e2IbtC6bHcX8IsW2seYdrPrtW
        SST/Rf9ilKyi9aFmQ6BafIJstWPKNF9zWc3ckBIYxOVeidqWLEEFXg==</signa
        ture>

      <status_code xsi:type="xsd:integer">1</status_code>

      <status_desc xsi:type="xsd:string">SUCCESS</status_desc>

      <trancharge xsi:type="xsd:string">1500</trancharge>

      <exciseduty xsi:type="xsd:string">225</exciseduty>

      <respfield0 xsi:type="xsd:string">70515391</respfield0>

      <respfield1 xsi:type="xsd:string">2023-07-19 11:02:13</respfield1>

      <respfield2 xsi:type="xsd:string">SHARON KIRULE KICONCO
      MUGAGGA</respfield2>

      <respfield3 xsi:type="xsd:string">8309600136426</respfield3>

      <respfield4 xsi:type="xsd:string">87000</respfield4>

      <respfield5
        xsi:type="xsd:string">[{"&quot;ProductCode&quot;:&quot;Mandatory&quot;,&q
        uot;ProductCode&quot;:&quot;Mandatory&quot;,&quot;ProductCode&quot;:&quot;
        &quot;SL10136426727&quot;,&quot;ProductCode&quot;:&quot;SmartLife -
        one year
```

```

son"},{"ProductCode":"SL10136426474","Pr
oductName":"SmartLife - One year
account"},{"ProductCode":"SL10136426490","qu
ot;ProductName":"SmartLife - 3 year account
Deo"},{"ProductCode":"SL10136426672","P
roductName":"SmartLife - Test one
year"},{"ProductCode":"SL10136426287","P
roductName":"SmartLife -
Test"},{"ProductCode":"SL10136426517","P
roductName":"SmartLife - TEST2"}}</respfield5>

```

```

<respfield6 xsi:type="xsd:string"></respfield6>

```

```

<respfield7 xsi:type="xsd:string"></respfield7>

```

```

<respfield8 xsi:type="xsd:string"></respfield8>

```

```

<respfield9 xsi:type="xsd:string"></respfield9>

```

```

</ns1:CallJabelServiceResponse>

```

```

</soapenv:Body>

```

```

</soapenv:Envelope>

```

The following are the respfield definitions:

- **respfield0**: The Request ID of that specific transaction.
- **respfield1**: The date & time of that specific transaction.
- **respfield2**: The name of the customer performing the transaction.
- **respfield3**: The NSSF number of the customer performing the transaction.
- **respfield4**: The amount of money being transacted for that request.
- **respfield5**: The various product names & product codes that the respective customer has subscribed to returned as a JSON body.

2) MAKEPAYMENT

➤ Sample Request Body

```
<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">
  <Body>
    <CallJabelService xmlns="urn:AgencyBanking">
      <signature>[string]</signature>
      <terminalid>20000005</terminalid>
      <requestid>195959462</requestid>
      <serviceid>NSSF</serviceid>
      <requestop>MAKEPAYMENT</requestop>
      <queryfield0>9108703806593</queryfield0>
      <queryfield1>100000</queryfield1>
      <queryfield2>Mandatory</queryfield2>
      <queryfield3>Mandatory</queryfield3>
      <queryfield4>+256705068829</queryfield4>
      <queryfield5>[string]</queryfield5>
      <queryfield6>[string]</queryfield6>
      <queryfield7>[string]</queryfield7>
      <queryfield8>[string]</queryfield8>
      <queryfield9>[string]</queryfield9>
    </CallJabelService>
  </Body>
</Envelope>
```

The following are the queryfield definitions:

- **queryfield0:** The NSSF number of the customer performing the transaction.
- **queryfield1:** The amount of money being transacted for that request (This amount should be inclusive of the transaction charges & taxes levied).
- **queryfield2:** The product code of the selected product to be paid for.
- **queryfield3:** The product name of the selected product to be paid for.

- **queryfield4:** The phone number of the customer performing the transaction.

➤ Sample Response Body

```
<?xml version="1.0" encoding="ISO-8859-1"?>

<soapenv:Envelope
  soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:gtp="http://gtplimited.com/" xmlns:ser="http://gtplimited.com/">

  <soapenv:Body>

    <ns1:CallJabelServiceResponse xmlns:ns1="urn:AgencyBanking">

      <serviceid xsi:type="xsd:string">NSSF</serviceid>

      <requestop xsi:type="xsd:string">MAKEPAYMENT</requestop>

      <signature
        xsi:type="xsd:string">fTuc3PhtRWG1rU12g4In7u1+ET2xwz/FrfilJNcOAW+dO
        AAaeriKZk7exImuhVaBxMCw0BrpXJIODqtG+nHXmHEZ4rktqLjCwgmYX/9
        eimQp4HR6DlmgCUFVUtqTrLX6qxxYVlbgYQM1YfcOpziTu53PeTYfa7GAO5
        EigJUPmEIn34qmwvjGga/omVfOEb3JF11606KkEqY9vEw5/d7xwGu0871BYI
        GGtXYdnUculOghzVQ6n50m4Sv5YhGgjhAl1biFiwQ007KWYByjymUJFPI0
        kcjlT/mnit5y0fa60v2Z4O8mG3DyseYXfdy0e/fjmW126YdR7KJaTpS0T4KdQ==<
        /signature>

      <status_code xsi:type="xsd:integer">1</status_code>

      <status_desc xsi:type="xsd:string">SUCCESS</status_desc>

      <trancharge xsi:type="xsd:string"></trancharge>

      <exciseduty xsi:type="xsd:string"></exciseduty>

      <respfield0 xsi:type="xsd:string">195959462</respfield0>

      <respfield1 xsi:type="xsd:string">2023-03-28 12:03:01</respfield1>

      <respfield2 xsi:type="xsd:string">2000000182</respfield2>

      <respfield3 xsi:type="xsd:string">REF-VWSSDS74A</respfield3>

      <respfield4 xsi:type="xsd:string">100000</respfield4>

      <respfield5 xsi:type="xsd:string"></respfield5>
```



```
<respfield6 xsi:type="xsd:string"></respfield6>
<respfield7 xsi:type="xsd:string"></respfield7>
<respfield8 xsi:type="xsd:string"></respfield8>
<respfield9 xsi:type="xsd:string"></respfield9>
</ns1:CallJabelServiceResponse>
</soapenv:Body>
</soapenv:Envelope>
```

The following are the respfield definitions:

- ***respfield0***: The Request ID of that specific transaction.
- ***respfield1***: The date & time of that specific transaction.
- ***respfield2***: The SystemId for the specific transaction as returned from NSSF.
- ***respfield3***: The transaction reference for that particular transaction.
- ***respfield4***: The amount of money being transacted for that request.

3) GETTRANSACTIONSTATUS

➤ Sample Request Body

```
<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">
  <Body>
    <CallJabelService xmlns="urn:AgencyBanking">
      <signature>[string]</signature>
      <terminalid>20000005</terminalid>
      <requestid>149199194</requestid>
      <serviceid>NSSF</serviceid>
      <requestop>GETTRANSACTIONSTATUS</requestop>
      <queryfield0>REF-4QPCLYP47W</queryfield0>
      <queryfield1>[string]</queryfield1>
      <queryfield2>[string]</queryfield2>
      <queryfield3>[string]</queryfield3>
      <queryfield4>[string]</queryfield4>
      <queryfield5>[string]</queryfield5>
      <queryfield6>[string]</queryfield6>
      <queryfield7>[string]</queryfield7>
      <queryfield8>[string]</queryfield8>
      <queryfield9>[string]</queryfield9>
    </CallJabelService>
  </Body>
</Envelope>
```

The following are the queryfield definitions:

- ***queryfield0***: The Transaction Reference for the specific transaction being queried.

➤ Sample Response Body

```
<?xml version="1.0" encoding="ISO-8859-1"?>

<soapenv:Envelope
  soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:gtp="http://gtplimited.com/" xmlns:ser="http://gtplimited.com/">

  <soapenv:Body>

    <ns1:CallJabelServiceResponse xmlns:ns1="urn:AgencyBanking">

      <serviceid xsi:type="xsd:string">NSSF</serviceid>

      <requestop
        xsi:type="xsd:string">GETTRANSACTIONSTATUS</requestop>

      <signature
        xsi:type="xsd:string">IbPu83zdQK3FFjtF4wDgW1U7OTmGxvXMg5VQROPz
        HXhcIbh/tfqwdSn/MqqJFaJsWzPa1Nos5gdO1Bn+aPhlpdScj63EaSTbx9yeAYPx
        VhgFfuWom+di1BMygwijhfabOyEuMOpDiLabu2Sh1H/WueMI2Isf15SFbaVom
        MywUQZelOYW/IDXSxJBe7cQXDQ5IWdG36vFjQIcDD81Dvdgws82YwHbc2
        RFRWJ02+bAqSPH1TF92dxcPq/5zqiHKLQAO86Sdq9g0zqpDXrKt7QOJ/xb98I
        amoHWMn1vxFDQi2r5b78z2Adj66WaqRfiPtxFnqJvNl42MkJiuM5AsfFgBA==
      </signature>

      <status_code xsi:type="xsd:integer">1</status_code>

      <status_desc xsi:nil="true" xsi:type="xsd:string"/>

      <trancharge xsi:type="xsd:string"></trancharge>

      <exciseduty xsi:type="xsd:string"></exciseduty>

      <respfield0 xsi:type="xsd:string">149199194</respfield0>

      <respfield1 xsi:type="xsd:string">2023-03-28 12:03:14</respfield1>

      <respfield2 xsi:type="xsd:string">REF-4QPCLYP47W</respfield2>

      <respfield3 xsi:nil="true" xsi:type="xsd:string"/>

      <respfield4 xsi:nil="true" xsi:type="xsd:string"/>

      <respfield5 xsi:nil="true" xsi:type="xsd:string"/>

      <respfield6 xsi:nil="true" xsi:type="xsd:string"/>

      <respfield7 xsi:type="xsd:string"></respfield7>
```

```
<respfield8 xsi:type="xsd:string"></respfield8>
<respfield9 xsi:type="xsd:string"></respfield9>
</ns1:CallJabelServiceResponse>
</soapenv:Body>
</soapenv:Envelope>
```

The following are the respfield definitions:

- ***respfield0***: The Request ID of that specific transaction.
- ***respfield1***: The date & time of that specific transaction.
- ***respfield2***: The transaction reference for that particular transaction.
- ***respfield3***: The Transaction Amount for the specific transaction as returned from NSSF.
- ***respfield4***: The Transaction Status for the specific transaction as returned from NSSF.
- ***respfield5***: The SystemId for the specific transaction as returned from NSSF.
- ***respfield6***: The product code for the transaction being queried.