

Interface Specification

Eng Fusion Service Subscription



Group: Engineering	Version: Service Subscription Spec V1.0
Division NSD: Network Service Development	Department: Business Support Systems
Author: SD- BSS: Nozipho Nyandoro Yolanda Nkosi	

DOCUMENT HISTORY			
Revisions	Description of document history	Author	Date
Draft	Initial draft	Nozipho Nyandoro	29/08/2020
V1.0	Updated multibundle type field	Nozipho Nyandoro	3/11/2020
V1.1	Updated AA Interface	Yolanda Nkosi	23/07/2021
V1.2	Added Credit Card and Add to Bill Interface	Yolanda Nkosi	25/08/2022

DISTRIBUTION LIST		
Copy Number	Name	Group/ Division/Organisation
1	Tony Nkhwashu	EHOD :NSD
2	Nozioho Nyandoro	Manager: NSD BSS
3	SD-BSS	Engineering: Network Service Development
4	USSD	Martin Mulder

Attachments/References:

JIRA: <https://jira.vodacom.co.za/browse/CVMRW-1883>

Feature Statement:

<http://confluence.vodacom.co.za/display/CVMT/Multi+Bundle+Offerings+in+J4U+Town>

IA:

<http://confluence.vodacom.co.za/display/CVMT/RCE+%3A+J4U+Town%3A+Multi+Bundle+Offerings+in+J4U+Town+-+MVP>

LLD:

<http://confluence.vodacom.co.za/display/CVMT/Multi+Bundle+Offerings+in+J4U+Town+-+LLD>

Contents

1	INTRODUCTION	4
1.1	ENG FUSION INTERFACE	4
1.2	AUTHENTICATION AND AUTHORIZATION	4
2	BUNDLE PURCHASES/ PROVISIONING	5
2.1.1	HEADER PARAMETERS	5
2.1.2	REQUEST PARAMETERS.....	5
2.1.3	RESPONSE PARAMETERS.....	7
2.1.4	BUNDLE PURCHASE SAMPLE REQUEST	8
2.1.6	PROVISIONING WITH AA REQUEST	11
2.1.8	ERROR RESPONSE.....	14
2.1.9	WSDL.....	18
2.1.8	ERROR CODE.....	Error! Bookmark not defined.

1 INTRODUCTION

1.1 ENG FUSION INTERFACE

Eng Fusion will communicate with purchasing channels using SOAP (Simple Object Access Protocol) over HTTP.

1.2 AUTHENTICATION AND AUTHORIZATION

Authentication

The consumer of the Web service needs to be registered and be provided with the username and password. The service consumer, which will, verified if the server certificate meets the following conditions:

- is issued by a trusted provider (i.e. CA)
- is not expired
- is not revoked
- matches the domain name of the service
- The server has proven that it has the private key associated with the public key certificate (by properly signing something or successfully decrypting something encrypted with the associated public key).

Invalid Credentials

Authenticating with invalid credentials will result in HTTP error code 401 Unauthorized: HTTP/1.0 401 Unauthorized

Authorization

In addition to the service consumer being authenticated, the user need to be authorized to call a specific service or operation. An error response will be return if the authenticated user is not allowed to invoke the operation.

Protocol

ENG Fusion to expose a SOAP API to enable other systems to perform subscriber request on behalf of subscribers

2 BUNDLE PURCHASES/ PROVISIONING

Vodacom channels will be able to purchase Multiple bundles via Eng Fusion using the CSM *service subscription* API for prepaid, hybrid and postpaid. The channels should ensure that the individual price, size and validity of each bundle is sent for each individual bundle on the request message.

2.1.1 HEADER PARAMETERS

The following header parameters is to identify the system, department making the call. It will be static information based on the system used. ConversationID/UID however will be system generated and must be unique for easy identification, All the SOAP CSM API's will require these Header Parameters

Field Name	Data Type	M/O	Description/Possible Values
CountryCode	String	Mandatory	"ZA"
LanguageCode	String	Optional	"en"
Operator	String	Mandatory	"Vodacom"
Division	String	Optional	"Channels Division "
System	String	Mandatory	"iCap "
ConversationID	String	Mandatory	TID prefixed Unique transaction Id

2.1.2 REQUEST PARAMETERS

schemeName field will be used to identify the type of product Identifier sent by the channel. If the scheme Name is not populated, we will assume the product ID is a package name.

Field Name	Data Type	M/O	Description/Possible Values
Subscription/ID	String	Mandatory	MSISDN as 27821234567
/SubscriptionVBO /Type	String	Mandatory	<p>This field is Mandatory for multiple bundle purchase.</p> <p><cmn:Type>multiplebundle</cmn:Type></p>

schemeName	String	Optional	<p>1. schemeName="SOID" schemeAgencyID="Vodacom">J045 For new CCCS</p> <p>2. schemeName="Base36" schemeAgencyID="Vodacom">637878 For postpaid old CCS or CCS CCS CV2</p>
Customer Product/ID schemeAgencyID	String	Mandatory	SOID/Offering Code e.g. J532
Name	String	Optional	Name of the bundle e.g. Just for you. Not currently in use.
Desc	String	Optional	Bundle description to be stored on CCS e.g. 30 Day just for you. Not currently in use
/SubscriptionVBO/L ineItems/LineItem/ ProductElement/Cu stomerProduct/ Type	String	Optional	<p>This field will be populated with “videoplay” for the videoplay service only and its mandatory for videoplay service</p> <p>If this field is not populated Eng Fusion will route the purchase to CCSC.</p>
FromDate	Date	Optional	Start date on bundle, not required at this stage
ToDate(Validity)	Date	Optional	Validity 2018-08-22T13:04:51.784+02:0
CurrencyID(price)	Integer	Optional	<p>Price of bundle e.g. 20.50 in Rands</p> <p><vbo:Price currencyID="ZAR">1.99</vbo:Price></p>
Unitcode(size)	String	Optional	<p>Size of bundle(Voice, Data or SMS) Data in KB e.g.</p> <p><vbo:Allowance unitCode="KB">10240</vbo:Allowance></p> <ul style="list-style-type: none"> Databundle unitCode="MB" "KB" or "GB" <input type="checkbox"/> Airtime = "ZAR" SMS/MMS transfer unitCode="units" Voice transfer unitCode="Minutes"
Channel ID	String	Optional	Channel identifier or requestor ID of requesting system, for reporting systems.

Revenue	String	Optional	RevenueOriginId. Revenue origin Id for purchases.
CampaignIdentifier	String	Mandatory	Identifies channel running the campaign
BandName	String	Mandatory	Identifies the Airtime Advance Band.
SessionID	String	Mandatory	Identifies the session on MCCM
OfferCode	String	Mandatory	Identifies the Offercode of bundles presented on the menu.
TreatmentCode	String	Mandatory	Identifies the sessions treatment ID.
FormatID	String	Mandatory	Identifies the transaction Source i.e. B006
FI_Code	String	Mandatory	Financial Institution Identifier
ChargedAmount	String	Mandatory	Charged Amount by the FI.
FI_Cost	String	Mandatory	Cost charged by FI on Add to bill Transaction
DealerID	String	Mandatory	Dealer's identifier
SourceID	String	Mandatory	Source Identifier

2.1.3 RESPONSE PARAMETERS

Field Name	Data Type	M/O	Description/Possible Values
Subscription/ID	String	Mandatory	MSISDN as 27821234567
Customer Product/ID offeringKey	String	Mandatory	offeringKey = 606644 Customer product identifies the bundle/service purchased
Customer Product/ID packageName	String	Optional	OCS Package name
freeUnitInstanceID	String	Optional	<cmn:ID schemeName="freeUnitInstanceID">701600000008 496791</cmn:ID>
FromDate	Date	Optional	Start date on bundle, format="ISO8601">2019-01-31T10:25:55
ToDate(validity)	Date	Optional	Validity format="ISO8601">2019-01-31T10:25:55

CurrencyID(price)	Integer	Optional	Price of bundle e.g. 20.50 in Rands <vbo:Price currencyID="ZAR">1.99</vbo:Price>
Unitcode(size)	String	Optional	Size of bundle(Voice, Data or SMS) Data in KB e.g. <vbo:Allowance unitCode="KB">10240</vbo:Allowance>
Parts balance	String	Optional	Airtime balance retuned by CCS/OCS unitCode="ZAR">4,971.00

2.1.4 BUNDLE PURCHASE SAMPLE REQUEST USING IN WALLET

Purchase Sample Request
<pre> <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:vho="http://group.vodafone.com/contract/vho/header/v1" xmlns:cdt="urn:un:unece:uncefact:documentation:standard:CoreComponentType:2" xmlns:wsa="http://www.w3.org/2005/08/addressing"> <soapenv:Header> <vho:Correlation> <vho:ConversationID>\${=java.util.UUID.randomUUID()}</vho:ConversationID> </vho:Correlation> <vho:Source> <vho:CountryCode>ZA</vho:CountryCode> <vho:Operator>USSD</vho:Operator> <vho:Division>BSS</vho:Division> <vho:System>Myvodacom</vho:System> </vho:Source> </soapenv:Header> <soapenv:Body> <vbm:UpdateSubscriptionVBMRequest xmlns:vbm="http://group.vodafone.com/schema/vbm/subscription/subscription/v1" xmlns:cmn="http://group.vodafone.com/schema/common/v1" xmlns:vbo="http://group.vodafone.com/schema/vbo/subscription/subscription/v1" xmlns:tns3="http://group.vodafone.com/schema/extension/vbo/subscription/subscription/v1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <vbm:SubscriptionVBO> <cmn:IDs> <cmn:ID schemeAgencyName="Vodafone" schemeName="Subscription ID">27630117786</cmn:ID> </cmn:IDs> <cmn:Type>multiplebundle</cmn:Type> <vbo:LineItems> <vbo:LineItem> <vbo:ProductElement> <vbo:CustomerProduct actionCode="ADD"> </pre>


```

        <cmn:IDs>
          <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">S001</cmn:ID>
</cmn:IDs>
        <vbo:ValidityPeriod>
          <cmn:ToDate>
            <cdt:DateString>2020-12-27T09:45:38.869Z</cdt:DateString>
          </cmn:ToDate>
        </vbo:ValidityPeriod>
      </vbo:CustomerProduct>
    </vbo:ProductElement>
    <vbo:Price currencyID="ZAR">1.00</vbo:Price>
    <vbo:Allowance unitCode="KB">3600</vbo:Allowance>
  </vbo:LineItem>
  <vbo:LineItem>
    <vbo:ProductElement>
      <vbo:CustomerProduct actionCode="ADD">
        <cmn:IDs>
          <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">D001</cmn:ID>
</cmn:IDs>
        <vbo:ValidityPeriod>
          <cmn:ToDate>
            <cdt:DateString>2020-12-27T09:45:38.869Z</cdt:DateString>
          </cmn:ToDate>
        </vbo:ValidityPeriod>
      </vbo:CustomerProduct>
    </vbo:ProductElement>
    <vbo:Price currencyID="ZAR">1.00</vbo:Price>
    <vbo:Allowance unitCode="KB">3600</vbo:Allowance>
  </vbo:LineItem>
</vbo:LineItems>
</vbm:SubscriptionVBO>
</vbm:UpdateSubscriptionVBMRequest>
</soapenv:Body>
</soapenv:Envelope>

```

2.1.5 SAMPLE RESPONSE

Purchase Samples Response

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soap-env:Header xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
    <vho:Correlation xmlns:vho="http://group.vodafone.com/contract/vho/header/v1">
      <vho:ConversationID>e15ee397-fdbd-4707-8cc8-9d7f48ae6b64</vho:ConversationID>
    </vho:Correlation>
    <vho:Destination xmlns:vho="http://group.vodafone.com/contract/vho/header/v1">
      <vho:CountryCode>ZA</vho:CountryCode>
      <vho:LanguageCode>en</vho:LanguageCode>
      <vho:Operator>Vodacom</vho:Operator>
      <vho:Division>Engineering</vho:Division>
      <vho:System>Fusion</vho:System>
      <vho:Timestamp>2021-07-23T14:02:26.15+02:00</vho:Timestamp>
    </vho:Destination>
  </soap-env:Header>
  <soapenv:Body>
    <vbm:UpdateSubscriptionVBMResponse xmlns:vbm="http://group.vodafone.com/schema/vbm/subscription/subscription/v1"
      xmlns:cdt="urn:un:unece:uncefact:documentation:standard:CoreComponentType:2"
      xmlns:cmn="http://group.vodafone.com/schema/common/v1"
      xmlns:vbo="http://group.vodafone.com/schema/vbo/subscription/subscription/v1">
      <vbm:SubscriptionVBO>
        <cmn:IDs>
          <cmn:ID schemeAgencyName="Vodafone" schemeName="Subscription ID">27829820412</cmn:ID>
        </cmn:IDs>
        <vbo:Parts>
          <vbo:Balance unitCode="ZAR">40.00</vbo:Balance>
        </vbo:Parts>
        <vbo:LineItems>
          <vbo:LineItem>
            <vbo:ProductElement>
              <vbo:CustomerProduct actionCode="ADD">
                <cmn:IDs>
                  <cmn:ID schemeName="offeringKey">896836</cmn:ID>
                  <cmn:ID schemeName="freeUnitInstanceID">701000000002448417</cmn:ID>
                </cmn:IDs>
                <vbo:ValidityPeriod>
                  <cmn:FromDate>
                    <cdt:DateString format="ISO8601">2021-07-23T14:02:25</cdt:DateString>
                  </cmn:FromDate>
                  <cmn:ToDate>
                    <cdt:DateString format="ISO8601">2021-07-31T00:00:00</cdt:DateString>
                  </cmn:ToDate>
                </vbo:ValidityPeriod>
              </vbo:CustomerProduct>
            </vbo:ProductElement>
            <vbo:Price currencyID="ZAR">5.00</vbo:Price>
            <vbo:Balance unitCode="KB">512000</vbo:Balance>
            <vbo:Allowance unitCode="KB">512000</vbo:Allowance>
          </vbo:LineItem>
        </vbo:LineItems>
      </vbm:SubscriptionVBO>
    </vbm:UpdateSubscriptionVBMResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

```

</vbo:LineItems>
</vbm:SubscriptionVBO>
</vbm:UpdateSubscriptionVBMResponse>
</soapenv:Body>
</soapenv:Envelope>

```

2.1.6 Provisioning with AA Request

Request Message

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:vho="http://group.vodafone.com/contract/vho/header/v1"
  xmlns:cdt="urn:un:unece:uncefact:documentation:standard:CoreComponentType:2"
  xmlns:wsa="http://www.w3.org/2005/08/addressing">
  <soapenv:Header>
    <vho:Correlation>
      <vho:ConversationID>0e14b9df5-3c2e-45e5-9085-ba8f02c5681012121-x</vho:ConversationID>
    </vho:Correlation>
    <vho:Source>
      <vho:CountryCode>ZA</vho:CountryCode>
      <vho:Operator>Accenture</vho:Operator>
      <vho:Division>BSS</vho:Division>
      <vho:System>Online</vho:System>
    </vho:Source>
  </soapenv:Header>
  <soapenv:Body>
    <vbm:UpdateSubscriptionVBMRequest
      xmlns:cdt="urn:un:unece:uncefact:documentation:standard:CoreComponentType:2"
      xmlns:vbm="http://group.vodafone.com/schema/vbm/subscription/subscription/v1"
      xmlns:cmn="http://group.vodafone.com/schema/common/v1"
      xmlns:vbo="http://group.vodafone.com/schema/vbo/subscription/subscription/v1"
      xmlns:ext="http://group.vodafone.com/schema/extension/vbo/subscription/subscription/v1"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <vbm:SubscriptionVBO>
        <cmn:IDs>
          <cmn:ID schemeAgencyName="Vodafone" schemeName="Subscription ID">27829804659</cmn:ID>
        </cmn:IDs>
        <cmn:Type>multiplebundle</cmn:Type>
        <vbo:LineItems>
          <vbo:LineItem>
            <vbo:ProductElement>
              <vbo:CustomerProduct actionCode="ADD">
                <cmn:IDs>
                  <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">J4U01</cmn:ID>
                </cmn:IDs>
                <vbo:ValidityPeriod>
                  <cmn:ToDate>
                    <cdt:DateString>2021-07-20T23:59:59</cdt:DateString>
                  </cmn:ToDate>
                </vbo:ValidityPeriod>
                </vbo:CustomerProduct>
              </vbo:ProductElement>
              <vbo:Price currencyID="ZAR">5.00</vbo:Price>
            </vbo:LineItem>
          </vbo:LineItems>
        </vbm:SubscriptionVBO>
      </vbm:UpdateSubscriptionVBMRequest>
    </soapenv:Body>
  </soapenv:Envelope>

```

```

    <vbo:Allowance unitCode="KB">102400</vbo:Allowance>
  </vbo:LineItem>
  <vbo:LineItem>
    <vbo:ProductElement>
      <vbo:CustomerProduct actionCode="ADD">
        <cmn:IDs>
          <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">J656</cmn:ID>
        </cmn:IDs>
        <vbo:ValidityPeriod>
          <cmn:ToDate>
            <cdt:DateString>2021-07-20T23:59:59</cdt:DateString>
          </cmn:ToDate>
        </vbo:ValidityPeriod>
      </vbo:CustomerProduct>
    </vbo:ProductElement>
    <vbo:Price currencyID="ZAR">4.00</vbo:Price>
    <vbo:Allowance unitCode="KB">102400</vbo:Allowance>
  </vbo:LineItem>
  <vbo:LineItem>
    <vbo:ProductElement>
      <vbo:CustomerProduct actionCode="ADD">
        <cmn:IDs>
          <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">V107</cmn:ID>
        </cmn:IDs>
        <vbo:ValidityPeriod>
          <cmn:ToDate>
            <cdt:DateString>2021-07-20T23:59:59</cdt:DateString>
          </cmn:ToDate>
        </vbo:ValidityPeriod>
      </vbo:CustomerProduct>
    </vbo:ProductElement>
    <vbo:Price currencyID="ZAR">2.00</vbo:Price>
    <vbo:Allowance unitCode="SEC">600</vbo:Allowance>
  </vbo:LineItem>
</vbo:LineItems>
<vbo:Extension>
  <ext:Specification>
    <cmn:CharacteristicsValue characteristicName="ChannelId">
      <cmn:Value languageID="en">IVR-001</cmn:Value>
      <cmn:Type>Revenue Audit</cmn:Type>
    </cmn:CharacteristicsValue>
    <cmn:CharacteristicsValue characteristicName="RevenueOriginId">
      <cmn:Value languageID="en">5000008</cmn:Value>
      <cmn:Type>Revenue Audit</cmn:Type>
    </cmn:CharacteristicsValue>
    <cmn:CharacteristicsValue characteristicName="Campaign_Identifier">
      <cmn:Value languageID="en">USSD_P_V</cmn:Value>
    </cmn:CharacteristicsValue>
    <cmn:CharacteristicsValue characteristicName="BandName">
      <cmn:Value languageID="en">R5AIR_J4Y</cmn:Value>
    </cmn:CharacteristicsValue>
    <cmn:CharacteristicsValue characteristicName="SessionId">
      <cmn:Value languageID="en">000000000</cmn:Value>

```

```

</cmn:CharacteristicsValue>
<cmn:CharacteristicsValue characteristicName="OfferCode">
  <cmn:Value languageID="en">4040404</cmn:Value>
</cmn:CharacteristicsValue>
<cmn:CharacteristicsValue characteristicName="TreatmentCode">
  <cmn:Value languageID="en">00010100010010</cmn:Value>
</cmn:CharacteristicsValue>
</ext:Specification>
</vbo:Extension>
</vbm:SubscriptionVBO>
</vbm:UpdateSubscriptionVBMRequest>
</soapenv:Body>
</soapenv:Envelope>

```

2.1.7. Provisioning with AA Response Message

Response Message

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soap-env:Header xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
    <vho:Correlation xmlns:vho="http://group.vodafone.com/contract/vho/header/v1">
      <vho:ConversationID>0e14b9df5-3c2e-45e5-9085-ba8f02c5681012121-x</vho:ConversationID>
    </vho:Correlation>
    <vho:Destination xmlns:vho="http://group.vodafone.com/contract/vho/header/v1">
      <vho:CountryCode>ZA</vho:CountryCode>
      <vho:LanguageCode>en</vho:LanguageCode>
      <vho:Operator>Vodacom</vho:Operator>
      <vho:Division>Engineering</vho:Division>
      <vho:System>Fusion</vho:System>
      <vho:Timestamp>2021-07-22T13:01:18.062+02:00</vho:Timestamp>
    </vho:Destination>
  </soap-env:Header>
  <soapenv:Body
    xmlns:cdt="urn:un:unece:uncefact:documentation:standard:CoreComponentType:2"
    xmlns:wsa="http://www.w3.org/2005/08/addressing" xmlns:vho="http://group.vodafone.com/contract/vho/header/v1">
    <vbm:UpdateSubscriptionVBMResponse
      xmlns:vbm="http://group.vodafone.com/schema/vbm/subscription/subscription/v1"
      xmlns:cmn="http://group.vodafone.com/schema/common/v1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
      instance">
      <vbm:SubscriptionVBO>
        <cmn:IDs>
          <cmn:ID schemeAgencyName="Vodafone" schemeName="Subscription ID">27829804659</cmn:ID>
        </cmn:IDs>
        <cmn:Status>In-Progress</cmn:Status>
      </vbm:SubscriptionVBO>
    </vbm:UpdateSubscriptionVBMResponse>
  </soapenv:Body>
</soapenv:Envelope>

```

2.1.8. Provisioning with Credit Card

Purchase Sample Request
<pre> <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:vho="http://group.vodafone.com/contract/vho/header/v1" xmlns:cdt="urn:un:unece:uncefact:documentation:standard:CoreComponentType:2" xmlns:wsa="http://www.w3.org/2005/08/addressing"> <soapenv:Header> <vho:Correlation> <vho:ConversationID>\${=java.util.UUID.randomUUID()}</vho:ConversationID> </vho:Correlation> <vho:Source> <vho:CountryCode>ZA</vho:CountryCode> <vho:Operator>USSD</vho:Operator> <vho:Division>BSS</vho:Division> <vho:System>Myvodacom</vho:System> </vho:Source> </soapenv:Header> <soapenv:Body> <vbm:UpdateSubscriptionVBMRequest xmlns:vbm="http://group.vodafone.com/schema/vbm/subscription/subscription/v1" xmlns:cmn="http://group.vodafone.com/schema/common/v1" xmlns:vbo="http://group.vodafone.com/schema/vbo/subscription/subscription/v1" xmlns:tns3="http://group.vodafone.com/schema/extension/vbo/subscription/subscription/v1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <vbm:SubscriptionVBO> <cmn:IDs> <cmn:ID schemeAgencyName="Vodafone" schemeName="Subscription ID">27630117786</cmn:ID> </cmn:IDs> <cmn:Type>multiplebundle</cmn:Type> <vbo:LineItems> <vbo:LineItem> <vbo:ProductElement> <vbo:CustomerProduct actionCode="ADD"> <cmn:IDs> <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">S001</cmn:ID> </cmn:IDs> <vbo:ValidityPeriod> <cmn:ToDate> <cdt:DateString>2022-12-27T09:45:38.869Z</cdt:DateString> </cmn:ToDate> </vbo:ValidityPeriod> </vbo:CustomerProduct> </vbo:ProductElement> <vbo:Price currencyID="ZAR">1.00</vbo:Price> <vbo:Allowance unitCode="KB">3600</vbo:Allowance> </vbo:LineItem> <vbo:LineItem> <vbo:ProductElement> <vbo:CustomerProduct actionCode="ADD"> <cmn:IDs> </pre>

```

        <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">J031</cmn:ID>
</cmn:IDs>
    <vbo:ValidityPeriod>
        <cmn:ToDate>
            <cdt:DateString>2022-12-27T09:45:38.869Z</cdt:DateString>
        </cmn:ToDate>
    </vbo:ValidityPeriod>
</vbo:CustomerProduct>
</vbo:ProductElement>
<!--
    <vbo:Price currencyID="ZAR">1.00</vbo:Price>-->
    <vbo:Allowance unitCode="ZAR">30</vbo:Allowance>
</vbo:LineItem>
</vbo:LineItems>
<vbo:Extension>
    <ext:Specification>
        <cmn:CharacteristicsValue characteristicName="FormatId">
            <cmn:Value languageID="en">B006</cmn:Value>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="FI_Code">
            <cmn:Value languageID="en">900007</cmn:Value>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="ChargedAmount">
            <cmn:Value languageID="en">200</cmn:Value>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="ChannelId">
            <cmn:Value languageID="en">ONL-001</cmn:Value>
            <cmn:Type>Revenue Audit</cmn:Type>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="RevenueOriginId">
            <cmn:Value languageID="en">1000000</cmn:Value>
            <cmn:Type>Revenue Audit</cmn:Type>
        </cmn:CharacteristicsValue>
    </ext:Specification>
</vbo:Extension>
</vbm:SubscriptionVBO>
</vbm:UpdateSubscriptionVBMRequest>
</soapenv:Body>
</soapenv:Envelope>

```

2.1.9. Provisioning with Credit Card

Purchase Sample Request
<pre> <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:vho="http://group.vodafone.com/contract/vho/header/v1" xmlns:cdt="urn:un:unece:uncefact:documentation:standard:CoreComponentType:2" xmlns:wsa="http://www.w3.org/2005/08/addressing"> <soapenv:Header> <vho:Correlation> <vho:ConversationID>\${=java.util.UUID.randomUUID()}</vho:ConversationID> </vho:Correlation> <vho:Source> <vho:CountryCode>ZA</vho:CountryCode> <vho:Operator>USSD</vho:Operator> <vho:Division>BSS</vho:Division> <vho:System>Myvodacom</vho:System> </vho:Source> </soapenv:Header> <soapenv:Body> <vbm:UpdateSubscriptionVBMRequest xmlns:vbm="http://group.vodafone.com/schema/vbm/subscription/subscription/v1" xmlns:cmn="http://group.vodafone.com/schema/common/v1" xmlns:vbo="http://group.vodafone.com/schema/vbo/subscription/subscription/v1" xmlns:tns3="http://group.vodafone.com/schema/extension/vbo/subscription/subscription/v1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <vbm:SubscriptionVBO> <cmn:IDs> <cmn:ID schemeAgencyName="Vodafone" schemeName="Subscription ID">27630117786</cmn:ID> </cmn:IDs> <cmn:Type>multiplebundle</cmn:Type> <vbo:LineItems> <vbo:LineItem> <vbo:ProductElement> <vbo:CustomerProduct actionCode="ADD"> <cmn:IDs> <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">S001</cmn:ID> </cmn:IDs> <vbo:ValidityPeriod> <cmn:ToDate> <cdt:DateString>2022-12-27T09:45:38.869Z</cdt:DateString> </cmn:ToDate> </vbo:ValidityPeriod> </vbo:CustomerProduct> </vbo:ProductElement> <vbo:Price currencyID="ZAR">1.00</vbo:Price> <vbo:Allowance unitCode="KB">3600</vbo:Allowance> </vbo:LineItem> <vbo:LineItem> <vbo:ProductElement> <vbo:CustomerProduct actionCode="ADD"> <cmn:IDs> </pre>


```

        <cmn:ID schemeName="SOID" schemeAgencyID="Vodacom">J031</cmn:ID>
</cmn:IDs>
    <vbo:ValidityPeriod>
        <cmn:ToDate>
            <cdt:DateString>2022-12-27T09:45:38.869Z</cdt:DateString>
        </cmn:ToDate>
    </vbo:ValidityPeriod>
</vbo:CustomerProduct>
</vbo:ProductElement>
<!--
    <vbo:Price currencyID="ZAR">1.00</vbo:Price>-->
    <vbo:Allowance unitCode="ZAR">30</vbo:Allowance>
</vbo:LineItem>
</vbo:LineItems>
<vbo:Extension>
    <ext:Specification>
        <cmn:CharacteristicsValue characteristicName="FormatId">
            <cmn:Value languageID="en">B004</cmn:Value>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="SourceId">
            <cmn:Value languageID="en">900007</cmn:Value>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="FI_Cost">
            <cmn:Value languageID="en">200</cmn:Value>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="DealerId">
            <cmn:Value languageID="en">200</cmn:Value>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="ChannelId">
            <cmn:Value languageID="en">ONL-001</cmn:Value>
            <cmn:Type>Revenue Audit</cmn:Type>
        </cmn:CharacteristicsValue>
        <cmn:CharacteristicsValue characteristicName="RevenueOriginId">
            <cmn:Value languageID="en">1000000</cmn:Value>
            <cmn:Type>Revenue Audit</cmn:Type>
        </cmn:CharacteristicsValue>
    </ext:Specification>
</vbo:Extension>
</vbm:SubscriptionVBO>
</vbm:UpdateSubscriptionVBMRequest>
</soapenv:Body>
</soapenv:Envelope>

```

2.20. ERROR RESPONSE

Samples Error response
<pre> <soapenv:Body> <soap-env:Fault xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/"> <faultcode>soap-env:Server</faultcode> <faultstring>118030218:Offering 5067759 does not exist.</faultstring> </detail> <vfo:Fault xmlns:vfo="http://group.vodafone.com/contract/vfo/fault/v1" xmlns:cmn="http://group.vodafone.com/schema/common/v1" xmlns:ws- bf="http://docs.oasisopen.org/wsrf/bf-2" xmlns:wsa="http://www.w3.org/2005/08/addressing" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <ws-bf:Timestamp>2017-10-09T11:37:46.346+02:00</ws-bf:Timestamp> <ws-bf:ErrorCode dialect="CSM Error Code">500</ws-bf:ErrorCode> <ws-bf:Description xml:lang="en">A general backend system error was encountered.</ws-bf:Description> <vfo:Name>Back End System Error</vfo:Name> <vfo:Severity>Critical</vfo:Severity> <vfo:Category>Technical</vfo:Category> <vfo:Message>Offering 5067759 does not exist.</vfo:Message> </vfo:Fault> </detail> </soap-env:Fault> </soapenv:Body> </soapenv:Envelope> </pre>

2.1.9. WSDL

<http://fusion-test.vodacom.co.za:9100/contract/vbs/subscription/subscription/v1>