

AXA Travel Insurance Web Service Technical Definitions

Versioning

Date	Version	Comments	Author
01/30/2014	0.1	XML schema general	Yamil el Zod
01/31/2014	0.2	Updating Sell schema (Trip Cost)	Yamil el Zod
01/21/2015	0.3	Merging Login & Enroll	Yamil el Zod
7/25/2015	0.4	Adding Rules and Schemas	Yamil el Zod



Contents

1	At	bout this document	3
2	Go	oals	3
3	O۱	verall Information	3
4	Αι	uthentication	
	4.1	Request	<i>L</i>
	4.2	Response	
5	Se	ell	
	5.1	Request with AXA Assistance merchant	5
	5.2	Request using Agreggator merchant (no credit card in the request)	(
	5.3	Response	7
	5.4	Request TAGS Definition	8
6	Χľ	ML Content	8
	6.1	Default Values	8
	6.2	Specific Values (TEST)	<u>C</u>
	6.3	WorldPay specifics	10
7	Qι	uoting Rules	
8	PF	RE-PROD Web Service	11
9	Ва	ase Schema	11
1		nird Party Schema	



1 About this document

This document includes descriptive information of the XML schema, used to perform transactions such as authentication, quotation and enroll with AXA UAT Web Service

2 Goals

Describe the XML schema used during different processes for their better understanding.

3 Overall Information

The Service implements a command pattern and for this reason, all sent requests will have the following base format:

- <xs:element name="Command">
- <xs:complexType>
- <xs:sequence>
- <xs:element ref="Error"></xs:element>
- <xs:element name="Success" default="false" type="xs:boolean" nillable="false"></xs:element>
- <xs:choice>
- <xs:element name="Items" maxOccurs="unbounded" minOccurs="0"></xs:element>
- </xs:choice>
- <xs:element name="Action" minOccurs="1" maxOccurs="1"></xs:element>
- </xs:sequence>
- </xs:complexType>
- </xs:element>

Where:

Error: will contain the error returned by the server.

Success: true/false, will be FALSE in case of error.

Items: it is an Object array, will contain required object for requests, as well as returned objects by server.



4 Authentication

4.1 Request

```
<?xml version="1.0"?>

<Command xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="VirtusWay.Service">

<Success>false</Success>
<Items xsi:type="Login">

<User>Client Account</User>
<Password>Password</Password>
</Items>
<Action xsi:type="Action">Login</Action>
</Command></Command>
```

Note: User and Password values to be provided by AXA Assistance US

4.2 Response

- <?xml version="1.0"?>
- <Command xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="VirtusWay.Service">
- <Success>true</Success>
- </Command> ATSP Web Service XML Schema Versión: 0.1



5 Sell

5.1 Request with AXA Assistance merchant

```
<?xml version="1.0"?>
<Command xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="VirtusWay.Service">
<Success>false</Success>
<Items xmlns:g1="VirtusWay.Service.US.Schema" xsi:type="g1:Enroll">
        <q1:Transaction xsi:nil="true" />
        <q1:TripCost>1000</q1:TripCost>
        <q1:TripCurrencyId>2</q1:TripCurrencyId>
        <q1:Amount>208</q1:Amount>
        <q1:ProductId>34</q1:ProductId>
        <q1:Customer>
                 <q1:Name>TEST</q1:Name>
                 <q1:SurName>TEST</q1:SurName>
                 <q1:MaidenName/>
                 <q1:Birthday>1979-04-02</q1:Birthday>
                 <q1:IdentityTypeId>20</q1:IdentityTypeId>
                 <q1:Identity>ADF23L</q1:Identity>
                 <q1:Address>122 S michigan</q1:Address>
                 <q1:City>Chicago</q1:City>
                 <q1:ZipCode>60603</q1:ZipCode>
                 <q1:State>Illinois</q1:State>
                 <q1:Country>United States</q1:Country>
                 <q1:Sex xsi:type="Sex">Male</q1:Sex>
                 <q1:Email>test@server.com</q1:Email>
                 <q1:Phone>4243536</q1:Phone>
                 <q1:Mobile>15612334234</q1:Mobile>
         </q1:Customer>
        <q1:Beneficiary>
                 <q1:Name>TEST</q1:Name>
                 <q1:SurName>TEST</q1:SurName>
                 <g1:MaidenName>Maiden</g1:MaidenName>
                 <q1:Birthday>1979-08-11</q1:Birthday>
                 <q1:IdentityTypeId>20</q1:IdentityTypeId>
                 <q1:Identity>ASD23423</q1:Identity>
                 <q1:Sex xsi:type="Sex">Female</q1:Sex>
                 <q1:KinshipId>11</q1:KinshipId>
        </q1:Beneficiary>
        <q1:StartDate>2015-12-16</q1:StartDate>
        <q1:EndDate>2016-01-06</q1:EndDate>
        <q1:SendPolicyByMail>false</q1:SendPolicyByMail>
```



```
<q1:JustToMainPolicyHolder>true</q1:JustToMainPolicyHolder>
        <q1:InitialTripPayment>2014-12-17</q1:InitialTripPayment>
        <q1:OrderRef>TEST</q1:OrderRef>
        <q1:Optional>2883</q1:Optional>
        <q1:CreditCard xsi:type="CreditCard">
                  <CardType xsi:type="q1:CardType">VISA</CardType>
                  <Number>5454545454545454</Number>
                  <CVC>123</CVC>
                  <CardHolder>TEST</CardHolder>
                 <ExpMonth>3</ExpMonth>
                 <ExpYear>2016</ExpYear>
                  <Installment xsi:type="Installment">M1</Installment>
                  <lsEncrypted>false</lsEncrypted>
        </q1:CreditCard>
                  <q1:ZipCode>55667</q1:ZipCode>
                  <q1:Email>test@server.com</q1:Email>
                  <q1:Street>test</q1:Street>
                  <q1:CountryISOCode>US</q1:CountryISOCode>
         </ltems>
        <a href="Action.vmlns:g2="VirtusWay.Service.US.Scheme">Cheme</a>
        xsi:type="q2:Action">Enroll</Action>
</Command>
```

5.2 Request using Agreggator merchant (no credit card in the request)

```
<?xml version="1.0"?>
<Command xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</p>
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="VirtusWay.Service">
<Success>false</Success>
<Items xmlns:q1="VirtusWay.Service.US.Schema" xsi:type="q1:Enroll">
         <q1:Transaction xsi:nil="true" />
         <q1:TripCost>1000</q1:TripCost>
         <q1:TripCurrencyld>2</q1:TripCurrencyld>
         <q1:Amount>208</q1:Amount>
         <q1:ProductId>34</q1:ProductId>
         <q1:Customer>
                  <q1:Name>TEST</q1:Name>
                 <q1:SurName>TEST</q1:SurName>
                  <q1:MaidenName/>
                  <q1:Birthday>1979-04-02</q1:Birthday>
                  <q1:IdentityTypeId>20</q1:IdentityTypeId>
                  <q1:Identity>ADF23L</q1:Identity>
                  <q1:Address>122 S michigan</q1:Address>
                  <q1:City>Chicago</q1:City>
                  <q1:ZipCode>60603</q1:ZipCode>
                  <q1:State>Illinois</q1:State>
```



```
<q1:Country>United States</q1:Country>
                 <q1:Sex xsi:type="Sex">Male</q1:Sex>
                 <q1:Email>test@server.com</q1:Email>
                 <q1:Phone>4243536</q1:Phone>
                 <q1:Mobile>15612334234</q1:Mobile>
        </q1:Customer>
        <q1:Beneficiary>
                 <q1:Name>TEST</q1:Name>
                 <q1:SurName>TEST</q1:SurName>
                 <q1:MaidenName>Maiden</q1:MaidenName>
                 <q1:Birthday>1979-08-11</q1:Birthday>
                 <q1:IdentityTypeId>20</q1:IdentityTypeId>
                 <q1:Identity>ASD23423</q1:Identity>
                 <q1:Sex xsi:type="Sex">Female</q1:Sex>
                 <q1:KinshipId>11</q1:KinshipId>
        </q1:Beneficiary>
        <q1:StartDate>2015-12-16</q1:StartDate>
        <q1:EndDate>2016-01-06</q1:EndDate>
        <q1:SendPolicyByMail>false</q1:SendPolicyByMail>
        <q1:JustToMainPolicyHolder>true</q1:JustToMainPolicyHolder>
        <q1:InitialTripPayment>2014-12-17</q1:InitialTripPayment>
        <q1:OrderRef>TEST</q1:OrderRef>
        <q1:Optional>2883</q1:Optional>
        </ltems>
        <action xmlns:g2="VirtusWay.Service.US.Scheme"
        xsi:type="q2:Action">Enroll</Action>
</Command>
```

5.3 Response

```
<?xml version="1.0"?>
<Command xmlns:xsd="http://www.w3.org/2001/XMLSchema"</p>
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="VirtusWay.Service">
 <Success>true</Success>
 <Items xsi:type="Reserve">
  <ld>14823</ld>
  <Currency>USD</Currency>
  <Rate>5.9000</Rate>
  <ProductId>34</ProductId>
  <Product>US Gold</Product>
  <ProductType>Gold</ProductType>
  <Channelld>3</Channelld>
  <Channel>US e-Commerce</Channel>
  <Service>
   <ld>38607</ld>
   <Number>38607</Number>
```



- <Customer>TEST</Customer>
- IssueDate>2015-01-27
- <Amount>63.0000</Amount>
- <StartDate>2015-12-16</StartDate>
- <EndDate>2016-01-06</EndDate>
- <Status>Active</Status>
- </Service>
- <Service>
 - <ld>38608</ld>
 - <Number>38608</Number>
 - <Customer>TEST</Customer>
 - <lssueDate>2015-01-27</lssueDate>
 - <Amount>63.0000</Amount>
 - <StartDate>2015-12-16</StartDate>
 - <EndDate>2016-01-06</EndDate>
- <Status>Active</Status>
- </Service>
- </ltems>
- </Command>

Note: Schema value might change for each third party
 Items XmIns: q1="VirtusWay.Service.US.Schema" xsi:type="q1:Enroll">

5.4 Request TAGS Definition

Field	Rule
TRIP COST	per traveler included within the policy
AMOUNT	total premium
CUSTOMER	main policy holder information (1 per policy)
EMAIL	email address to send fulfillment docs
BENEFICIARY	add as much beneficiaries as needed in the policy
START DATE	cannot be a date in the past
ORDER REF	this will be the policy number definition
OPTIONAL BENEFITS	add as much Optional Codes as needed in the policy

6 XML Content

6.1 Default Values

Transaction	NULL (string 20)
TripCurrencyld	2



OrderRef	TO BE DEFINED (string 20)
IdentityTypeId	20
Identity	TO BE DEFINED (string 20)
Sex	Male (DEFAULT if not used)
SendPolicyByMail	false
JustToMainPolicyHolder	true
Installment	M1
IsEncrypted	false

6.2 Specific Values (TEST)

ProductId	34	Gold
	35	Platinum
	37	Silver

Note: above values will change in production environment

Optional Benefits Codes

2879	TRIP CANCELLATION FOR WORK REASONS	PLATINUM PRODUCT
2880	TRIP CANCELLATION FOR ANY REASON	PLATINUM PRODUCT
2881	RENTERS COLLISION INSURANCE	PLATINUM PRODUCT
2883	PRE-EXISTING CONDITIONS EXCLUSION WAIVER	GOLD PRODUCT
2884	TRIP CANCELLATION FOR WORK REASONS	GOLD PRODUCT
2885	TRIP CANCELLATION FOR ANY REASON	GOLD PRODUCT
2886	RENTERS COLLISION INSURANCE	GOLD PRODUCT
2888	PRE-EXISTING CONDITIONS EXCLUSION WAIVER	SILVER PRODUCT
2889	TRIP CANCELLATION FOR WORK REASONS	SILVER PRODUCT
2890	RENTERS COLLISION INSURANCE	SILVER PRODUCT

Note: above codes will change in production environment

	CardType	MasterCard
		Visa
Ī		American Express



6.3 WorldPay specifics

Billing information

ZipCode
Email
Street
CountryISOCode (US default)

7 Quoting Rules

AXA Assistance US is able to provide specific Quote Method if needed by the third party.

Our quote rule is based on the combination of PRODUCT + AGE + TRIP COST per traveler.

On top of above logic the Optional Benefits calculation is added.

Example:

Traveler 1: age 20
Traveler 2: age 40
Product: Gold
Trip Cost per traveler: 1300

Adding Optional Benefits:

Pre-Existing Condition Exclusion Waiver: \$41 x traveler

Cancel for work reasons: 20% per traveler base premium

Cancel for any reason: 25% per traveler base premium

Rental Car Collision: \$29 base premium

Total Premium Calculation:

Service 1 base premium: \$40

Service 2 base Premium: \$67



```
Service 1: 40 + 41 + (40 * 25\%) + (40 * 20\%) = 40 + 41 + 10 + 8 = 99
```

Rental: \$29

Total Premium: \$266

Notes:

- When adding Optional Benefits the result might include decimal values. **Always round** to the nearest cero

```
o result >= 0.5 - round up
```

- o result < 0.5 round down
- CFAR & CFWR is applied to the premium result per traveler

8 PRE-PROD Web Service

Service: https://atsppreprod.axa-assistance.us/atspService/AppService.svc

9 Base Schema

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema attributeFormDefault="unqualified"</pre>
           elementFormDefault="qualified"
           xmlns:xs="http://www.w3.org/2001/XMLSchema"
           xml:lang="en"
           xmlns="VirtusWay.Service"
           targetNamespace="VirtusWay.Service"
  version="0.1">
  <xs:element name="Command">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Error"></xs:element>
        <xs:element name="Success" default="false"</pre>
type="xs:boolean" nillable="false"></xs:element>
        <xs:choice>
          <xs:element name="Items" maxOccurs="unbounded"</pre>
minOccurs="0"></xs:element>
        </xs:choice>
        <xs:element name="Action" minOccurs="1"</pre>
maxOccurs="1"></xs:element>
      </xs:sequence>
```



```
</xs:complexType>
  </xs:element>
  <xs:element name="Login">
    <xs:complexType>
      <xs:sequence>
        <xs:element type="xs:string" nillable="false" name="User"</pre>
/>
        <xs:element type="xs:string" nillable="false"</pre>
name="Password" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Error">
    <xs:complexType>
      <xs:sequence>
        <xs:element type="xs:int" nillable="true" name="LogId" />
        <xs:element type="xs:string" nillable="true"</pre>
name="Message" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Action">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="Login"></xs:enumeration>
        <xs:enumeration value="Certificates"></xs:enumeration>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="CreditCard">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="CardType" minOccurs="1" maxOccurs="1"</pre>
nillable="false"></xs:element>
        <xs:element name="Number" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="CVC" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="CardHolder" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="ExpMonth" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="ExpYear" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="Installment" nillable="false"</pre>
minOccurs="1" maxOccurs="1"></xs:element>
        <xs:element name="IsEncrypted" nillable="false"</pre>
default="true" type="xs:boolean"></xs:element>
      </xs:sequence>
```



```
</xs:complexType>
  </xs:element>
  <xs:element name="Reserve">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Id" type="xs:int"</pre>
nillable="false"></xs:element>
        <xs:element name="Transaction"</pre>
type="xs:string"></xs:element>
        <xs:element name="OrderCode" type</pre>
="xs:string"></xs:element>
        <xs:element name="URL" type="xs:string" minOccurs="0"</pre>
maxOccurs="unbounded"></xs:element>
        <xs:element name="Currency" type="xs:string"</pre>
nillable="false"></xs:element>
        <xs:element name="Rate" type="xs:decimal"></xs:element>
        <xs:element name="ProductId" type="xs:int"</pre>
nillable="false"></xs:element>
        <xs:element name="Product" type="xs:string"></xs:element>
        <xs:element name="ProductType"</pre>
type="xs:string"></xs:element>
        <xs:element name="ChannelId" type="xs:int"</pre>
nillable="false"></xs:element>
        <xs:element name="Channel" type="xs:string"</pre>
nillable="false"></xs:element>
        <xs:element ref="Service" minOccurs="1"</pre>
maxOccurs="unbounded"></xs:element>
        <xs:element name="Details" minOccurs="0"</pre>
maxOccurs="unbounded" nillable="true"></xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Service">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Id" type="xs:int"</pre>
nillable="false"></xs:element>
        <xs:element name="Number" type="xs:int"</pre>
nillable="false"></xs:element>
        <xs:element name="Customer" type="xs:string"</pre>
nillable="false"></xs:element>
        <xs:element name="IssueDate" type="xs:date"></xs:element>
        <xs:element name="Amount" type="xs:decimal"</pre>
nillable="false"></xs:element>
        <xs:element name="StartDate" type="xs:date"</pre>
nillable="false"></xs:element>
        <xs:element name="EndDate" type="xs:date"</pre>
nillable="false"></xs:element>
```



10 Third Party Schema

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema attributeFormDefault="unqualified"</pre>
           elementFormDefault="qualified"
           xmlns:xs="http://www.w3.org/2001/XMLSchema"
           xml:lang="en"
           xmlns="VirtusWay.Service.US.SquareMouth"
           targetNamespace="VirtusWay.Service.US.Schema"
  version="0.1">
  <xs:element name="Action">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="Enroll"></xs:enumeration>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="Enroll">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Transaction" type="xs:string"</pre>
nillable="true"></xs:element>
        <xs:element name="TripCost" type="xs:decimal"</pre>
nillable="true"></xs:element>
        <xs:element name="TripCurrencyId" type="xs:int"</pre>
nillable="true"></xs:element>
        <xs:element name="Amount" type="xs:decimal"</pre>
nillable="false"></xs:element>
```



```
<xs:element name="ProductId" type="xs:int"</pre>
nillable="false"></xs:element>
        <xs:element name="Optional" type="xs:int" minOccurs="0"</pre>
maxOccurs="unbounded"></xs:element>
        <xs:element ref="Customer" minOccurs="1"</pre>
maxOccurs="1"></xs:element>
        <xs:element ref="Beneficiary" minOccurs="0"</pre>
maxOccurs="unbounded"></xs:element>
        <xs:element name="StartDate" type="xs:date"</pre>
nillable="false"></xs:element>
        <xs:element name="EndDate" type="xs:date"</pre>
nillable="false"></xs:element>
        <xs:element name="SendPolicyByMail" type="xs:boolean"</pre>
nillable="false" default="false"></xs:element>
        <xs:element name="JustToMainPolicyHolder"</pre>
type="xs:boolean" nillable="false" default="false"></xs:element>
        <xs:element name="InitialTripPayment" type="xs:date"</pre>
nillable="true"></xs:element>
        <xs:element name="OrderRef" type="xs:string"</pre>
nillable="true"></xs:element>
        <xs:element name="CreditCard" minOccurs="1" maxOccurs="1"</pre>
nillable="false"></xs:element>
        <xs:element name="ZipCode" type="xs:string"</pre>
nillable="false"></xs:element>
        <xs:element name="Email" type="xs:string"</pre>
nillable="false"></xs:element>
        <xs:element name="Street" type="xs:string"</pre>
nillable="false"></xs:element>
        <xs:element name="CountryISOCode" type="xs:string"</pre>
nillable="false"></xs:element>
        <xs:element name="DestinationCountryISOCode"</pre>
type="xs:string" nillable="true"></xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
   <xs:element name="CardType" default="VISA" nillable="false">
    <xs:simpleType>
      <xs:restriction base="xs:string">
        <xs:enumeration value="DISCOVER"></xs:enumeration>
        <xs:enumeration value="VISA"></xs:enumeration>
        <xs:enumeration value="AMEX"></xs:enumeration>
        <xs:enumeration value="MASTERCARD"></xs:enumeration>
      </xs:restriction>
    </xs:simpleType>
  </xs:element>
  <xs:element name="Customer">
    <xs:complexType>
      <xs:sequence>
```



```
<xs:element name="Name" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="SurName" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="MaidenName" nillable="true"</pre>
type="xs:string"></xs:element>
        <xs:element name="Birthday" nillable="false"</pre>
type="xs:date"></xs:element>
        <xs:element ref="IdentityTypeId"></xs:element>
        <xs:element name="Identity" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="Address" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="City" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="ZipCode" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="State" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="Country" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="Sex" minOccurs="1" maxOccurs="1"</pre>
nillable="false"></xs:element>
        <xs:element name="Email" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="Phone" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="Mobile" nillable="false"</pre>
type="xs:string"></xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Beneficiary">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Name" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="SurName" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="MaidenName" nillable="true"</pre>
type="xs:string"></xs:element>
        <xs:element name="Birthday" nillable="false"</pre>
type="xs:date"></xs:element>
        <xs:element ref="IdentityTypeId"></xs:element>
        <xs:element name="Identity" nillable="false"</pre>
type="xs:string"></xs:element>
        <xs:element name="Sex" minOccurs="1" maxOccurs="1"</pre>
nillable="false"></xs:element>
```

