

WEB SERVICE CONTRACT MODEL

IPONZ OPENDATA WEB SERVICES

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OPENDATA AUTHENTICATION

HMAC (Hashed Message Authentication Code) is the authentication mechanism used for IPONZ Services. A shared secret key is used by the client to create a signature based upon predefined message properties. Upon receiving the signature with the request the service will recalculate the signature to verify the user's identity.

Each request should provide the signature and the data required as part of the source.

Two pieces of information are required to generate a signature.

- AccessKey: User identifier
- Shared Secret: Used to generate a signature from the "String to Sign". This shared secret is never transmitted in a message and should never be passed to a client machine.

Signature Generation

The "String to Sign" is the final string which is signed using a SHA256 digest to create the signature. It is built up from the following attributes of an HTTP request.

Attribute	Description	Supplied As
HTTP Method	Http method used for the request. Note that all OPENDATA services only support POST requests. Required.	
Host	Standard HTTP header. Required.	
RequestURI	URI of service being requested. Required.	
Timestamp	Time that the signature was generated. Must be supplied as a SOAP header	SOAP header in the format yyyyMMddHHmmss z
AccessKey	Identifies the Open Data client. Required.	As part of the SOAP "Authorization" header.
Client	Will be used if supplied as SOAP header.	SOAP header.
Context	Will be used if supplied as SOAP header. Not Required	SOAP header.

The "String to Sign" is built up from these values separated by a new line character ('\n'). The construction of the String to Sign follows the template shown below:

<HTTPMethod>\n<Host>\n<RequestURI>\n<Timestamp>\n<AccessKey>\n<Client>\n<Context>\n
Example Source String

```
POST
data.tst.business.govt.nz
/data/app/ws/services/TrademarkService-1.0.svc
20091221084626 NZDT
T4WZUVoufkaGfsrK
```

A SHA256 hash is then applied to this string using your Shared Secret (not the Access Key) to produce the signature. An example signature may look like the following:

J2PMRAw4UNMu44ADqDCIniyEQRTMSST5BtY/OG6I2GE=

This signature must be added to the request as a SOAP header in the formation:

<AccessKey>:<Signature>

A SOAP envelope header would look as follows

```
<soapenv:Header>
<Authenticator>
<ServiceName>IPOL Trademark Application</ServiceName>
<Authorization> T4WZUVoufkaGfsrK:wFtZpfdDAh9kul6ZEnlvvmRYdWmvqjLxagNUcpMYGTM=</Authorization>
<Timestamp>20100419135948 NZDT</Timestamp>
<Client>100075277</Client>
</Authenticator>
</soapenv:Header>
```

NOTE: The signature is valid for 20 seconds after its generation time. The timestamp used for generation on the server must match that to be supplied in the SOAP header. It is recommended that the server be synchronized with a NTP server.

OPENDATA REQUEST/ RESPONSE STANDARDS

OpenData is the authentication and billing service through which business services are exposed. Each business service needs to pass through OpenData, wherein the business service call will be first authenticated as described in the OPENDATA AUTHENTICATION section. It will then be forwarded to the requested business service.

To enable this, the SOAP request contains authentication data in the header and the XML required by the business service in the requestBody element. The following TrademarkService WSDL follows the required OpenData standard.

The following is the WSDL for the call to the IPONZ service. Note that submitTrademark and renewTrademark operation are of type anyType. This is so that data sent in these types can conform to the types described in the IPONZ business service described below.

Full WSDL

```
<?xml version="1.0" encoding="UTF-8" ?>
<wsdl:definitions targetNamespace="http://ipol.webservices.g2b.fmit.co.nz"
  xmlns:apachesoap="http://xml.apache.org/xml-soap"
  xmlns:app="http://www.iponz.govt.nz/XMLSchema/trademarks/application"
  xmlns:impl="http://ipol.webservices.g2b.fmit.co.nz/"
  xmlns:intf="http://ipol.webservices.g2b.fmit.co.nz/"
  xmlns:renew="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal"
  xmlns:tns1="http://ipol.webservice.g2b.fmit.co.nz"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <wsdl:types>
    <schema targetNamespace="http://ipol.webservice.g2b.fmit.co.nz"
      xmlns="http://www.w3.org/2001/XMLSchema"
      xmlns:app="http://www.iponz.govt.nz/XMLSchema/trademarks/application">
      <import namespace="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal"
        schemaLocation="../../iponz trademark renewal v1.05.xsd" />
      <import namespace="http://www.iponz.govt.nz/XMLSchema/trademarks/application"
        schemaLocation="../../iponz trademark application v1.05.xsd" />
      <element name="submitTrademark">
        <complexType>
          <sequence>
            <element name="Transaction" type="app:TransactionType" />
          </sequence>
        </complexType>
      </element>
      <element name="submitTrademarkReturn">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="TransactionReturn" type="app:TransactionResponseType" />
          </xsd:sequence>
        </xsd:complexType>
      </element>
      <element name="renewTrademark">
        <complexType>
          <sequence>
            <element name="Transaction" type="renew:TransactionType" />
          </sequence>
        </complexType>
      </element>
      <element name="renewTrademarkReturn">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="TransactionReturn" type="renew:TransactionResponseType" />
          </xsd:sequence>
        </xsd:complexType>
      </element>
    </schema>
  </wsdl:types>
  <wsdl:message name="submitTrademarkResponse">
    <wsdl:part element="tns1:submitTrademarkReturn" name="submitTrademarkReturn" />
  </wsdl:message>
  <wsdl:message name="submitTrademarkRequest">
    <wsdl:part element="tns1:submitTrademark" name="part" />
  </wsdl:message>
  <wsdl:message name="renewTrademarkResponse">
    <wsdl:part element="tns1:renewTrademarkReturn" name="renewTrademarkReturn" />
  </wsdl:message>
  <wsdl:message name="renewTrademarkRequest">
    <wsdl:part element="tns1:renewTrademark" name="part" />
  </wsdl:message>
```



```

        <ns2:ClassDescription>
          <ns2:ClassNumber>45</ns2:ClassNumber>
          <ns2:GoodsServicesDescription>Test Service
Description</ns2:GoodsServicesDescription>
        </ns2:ClassDescription>
      </ns2:ClassDescriptionDetails>
    </ns2:GoodsServices>
  </ns2:GoodsServicesDetails>
<ns2:TradeMarkApplicantDetails>
  <ns2:TradeMarkApplicant contact="false">
    <ns2:NewApplicant>
      <ns2:ApplicantLegalEntity>Person</ns2:ApplicantLegalEntity>
      <ns2:ApplicantNationalityCode>NZ</ns2:ApplicantNationalityCode>
      <ns2:ApplicantAddressBook>
        <ns2:FormattedNameAddress>
          <ns2:Name>
            <ns2:FormattedName>
              <ns2:PersonName>
                <ns2:FirstName>string</ns2:FirstName>
                <ns2:LastName>string</ns2:LastName>
              </ns2:PersonName>
            </ns2:FormattedName>
          </ns2:Name>
          <ns2:Address>
            <ns2:AddressCountryCode>NZ</ns2:AddressCountryCode>
            <ns2:FormattedAddress>
              <ns2:AddressLine>string</ns2:AddressLine>
              <ns2:AddressLine>string</ns2:AddressLine>
              <ns2:AddressCity>string</ns2:AddressCity>
              <ns2:AddressPostcode>1234</ns2:AddressPostcode>
            </ns2:FormattedAddress>
          </ns2:Address>
        </ns2:FormattedNameAddress>
      </ns2:ContactInformationDetails>
      <ns2:Phone>
        <ns2:CountryCode>64</ns2:CountryCode>
        <ns2:AreaCode>9</ns2:AreaCode>
        <ns2:Number>1234567</ns2:Number>
      </ns2:Phone>
    </ns2:ContactInformationDetails>
    <ns2:PostalAddress>
      <ns2:AddressCountryCode>NZ</ns2:AddressCountryCode>
      <ns2:FormattedAddress>
        <ns2:AddressLine>string</ns2:AddressLine>
        <ns2:AddressCity>string</ns2:AddressCity>
        <ns2:AddressPostcode>1234</ns2:AddressPostcode>
      </ns2:FormattedAddress>
    </ns2:PostalAddress>
  </ns2:ApplicantAddressBook>
</ns2:NewApplicant>
</ns2:TradeMarkApplicant>
</ns2:TradeMarkApplicantDetails>
</ns2:TradeMark>
</ns1:TradeMarkDetails>
</ns1:TradeMarkApplication>
</ns1:TransactionData>
</ns1:TransactionContentDetails>
</ns1:TradeMarkTransactionBody>
</ns1:Transaction>
</submitTrademark>
</soapenv:Body>
</soapenv:Envelope>

```

IPONZ SERVICE DESCRIPTION

The IPONZ service facilitates the application and renewal of trade marks. The service must meet the OpenData authentication standards.

Service Property	Value
Name	Trademark.svc
Version	1
Application/Registry	IPOL
URL	TBA

Web Service types

The following lists the common XML types that are used in this service. Note these are defined using XSD and will be published on the production website. The schema definition conforms to WIPO standards.

The two schema definitions that form the basis of the request and response to the trade mark services are described below.

iponz_trademark_application_v1.05.xsd

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns="http://www.iponz.govt.nz/XMLSchema/trademarks/application"
  xmlns:iponz="http://www.iponz.govt.nz/XMLSchema/trademarks"
  targetNamespace="http://www.iponz.govt.nz/XMLSchema/trademarks/application"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  version="1.05">

  <!--<![CDATA[
  *****
  *
  *      IPONZ Trade Mark Application Schema
  *
  *      Filename      : iponz trademark application v1.05.xsd
  *      Author        : IPONZ
  *      Version       : 1.05
  *      Last Update   : 2010-03-23
  *      Contact       : www.iponz.govt.nz
  *
  *****
  ]]>-->

  <xs:annotation>
    <xs:documentation>IPONZ Trade Mark Application Schema </xs:documentation>
  </xs:annotation>

  <!--<![CDATA[
  =====
  Import IPONZ Trade Mark Common Types Library
  =====
  ]]>-->

  <xs:import namespace="http://www.iponz.govt.nz/XMLSchema/trademarks"
    schemaLocation="common/iponz trademark common types v1.05.xsd" />

  <!--<![CDATA[
  =====
  Trade Mark Application Transaction Request Root Element
  =====
  ]]>-->

  <xs:element name="Transaction" type="TransactionType"/>

  <!--<![CDATA[
  =====
  Trade Mark Application Transaction Response Root Element
  =====
  ]]>-->

  <xs:element name="TransactionResponse" type="TransactionResponseType"/>

  <!--<![CDATA[
  *****
  * TRANSACTION/MESSAGE TYPES (in alphabetical order by name)
  *****
  ]]>-->
```



```

*****
]]>-->

<xs:complexType name="TradeMarkApplicationSummaryReportType">
  <xs:sequence>
    <xs:element name="ApplicationReference" type="xs:token" />
    <xs:element name="ApplicationContact" type="iponz:NZ ApplicationContactType"/>
    <xs:element name="TradeMarkApplicationDetails"
type="iponz:NZ TradeMarkApplicationDetailsType"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TradeMarkApplicationType">
  <xs:sequence>
    <xs:element name="ApplicationReference" type="xs:token" />
    <xs:element name="ApplicationContact" type="iponz:NZ ApplicationContactType"/>
    <xs:element name="TradeMarkDetails" type="iponz:NZ TradeMarkDetailsType"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TransactionBodyType">
  <xs:sequence>
    <xs:element name="TransactionContentDetails">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="TransactionIdentifier" type="xs:token" minOccurs="0"/>
          <xs:element name="TransactionCode" type="iponz:NZ TransactionCodeType"
fixed="Trade Mark E-Filing"/>
          <xs:element name="TransactionData" type="TransactionDataType"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TransactionDataType">
  <xs:sequence>
    <xs:element name="TradeMarkApplication" type="TradeMarkApplicationType"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TransactionErrorType">
  <xs:sequence>
    <xs:element name="TransactionErrorCode" type="xs:token" />
    <xs:element name="TransactionErrorText" type="iponz:TextType" />
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TransactionResponseBodyType">
  <xs:sequence>
    <xs:choice>
      <xs:element name="TransactionErrorDetails">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="TransactionIdentifier" type="xs:token" minOccurs="0" />
            <xs:element name="TransactionCode" type="iponz:NZ TransactionCodeType"
fixed="Trade Mark E-Filing" />
            <xs:element name="TransactionError" type="TransactionErrorType"
maxOccurs="unbounded" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TransactionResponseContentDetails">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="TransactionIdentifier" type="xs:token" minOccurs="0" />
            <xs:element name="TransactionCode" type="iponz:NZ TransactionCodeType"
fixed="Trade Mark E-Filing" />
            <xs:element name="TransactionResponseData" type="TransactionResponseDataType" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:choice>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TransactionResponseDataType">
  <xs:sequence>
    <xs:element name="TradeMarkApplicationSummaryReport"
type="TradeMarkApplicationSummaryReportType" />
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TransactionResponseType">
  <xs:sequence>
    <xs:element name="TradeMarkTransactionResponseBody" type="TransactionResponseBodyType"
/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="TransactionType">
  <xs:sequence>
    <xs:element name="TradeMarkTransactionBody" type="TransactionBodyType"/>

```

```

    </xs:sequence>
  </xs:complexType>

</xs:schema>

```

iponz_trademark_renewal_v1.05.xsd

```

<?xml version="1.0" encoding="utf-8"?>
<xs:schema
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal"
  xmlns:iponz="http://www.iponz.govt.nz/XMLSchema/trademarks"
  targetNamespace="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  version="1.05">

  <!--<![CDATA[
*****
*
*      IPONZ Trade Mark Renewal Schema
*
*      Filename      : iponz trademark renewal v1.05.xsd
*      Author        : IPONZ
*      Version       : 1.05
*      Last Update   : 2010-03-23
*      Contact       : www.iponz.govt.nz
*
*****
]]>-->

  <xs:annotation>
    <xs:documentation>IPONZ Trade Mark Renewal Schema </xs:documentation>
  </xs:annotation>

  <!--<![CDATA[
=====
Import IPONZ Trade Mark Common Types Library
=====
]]>-->

  <xs:import namespace="http://www.iponz.govt.nz/XMLSchema/trademarks"
    schemaLocation="common/iponz trademark common types v1.05.xsd" />

  <!--<![CDATA[
=====
Trade Mark Renewal Transaction Request Root Element
=====
]]>-->

  <xs:element name="Transaction" type="TransactionType"/>

  <!--<![CDATA[
=====
Trade Mark Renewal Transaction Response Root Element
=====
]]>-->

  <xs:element name="TransactionResponse" type="TransactionResponseType"/>

  <!--<![CDATA[
*****
* TRANSACTION/MESSAGE TYPES (in alphabetical order by name)
*****
]]>-->

  <xs:complexType name="TradeMarkRenewalSummaryReportType">
    <xs:sequence>
      <xs:element name="RenewalReference" type="xs:token" />
      <xs:element name="TradeMarkRenewalDetails"
type="iponz:NZ TradeMarkRenewalDetailsType"/>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TradeMarkRenewalType">
    <xs:sequence>
      <xs:element name="TradeMarkRenewalDetails">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="RenewalReference" type="xs:token" />
            <xs:element name="RegistrationNumber" type="xs:positiveInteger" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransactionBodyType">
    <xs:sequence>
      <xs:element name="TransactionContentDetails">

```

```

        <xs:complexType>
          <xs:sequence>
            <xs:element name="TransactionIdentifier" type="xs:token" minOccurs="0" />
            <xs:element name="TransactionCode" type="iponz:NZ TransactionCodeType"
fixed="Trade Mark E-Renewal" />
            <xs:element name="TransactionData" type="TransactionDataType" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransactionDataType">
    <xs:sequence>
      <xs:element name="TradeMarkRenewal" type="TradeMarkRenewalType" />
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransactionErrorType">
    <xs:sequence>
      <xs:element name="TransactionErrorCode" type="xs:token" />
      <xs:element name="TransactionErrorText" type="iponz:TextType" />
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransactionResponseBodyType">
    <xs:sequence>
      <xs:choice>
        <xs:element name="TransactionErrorDetails">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="TransactionIdentifier" type="xs:token" minOccurs="0" />
              <xs:element name="TransactionCode" type="iponz:NZ TransactionCodeType"
fixed="Trade Mark E-Renewal" />
              <xs:element name="TransactionError" type="TransactionErrorType"
maxOccurs="unbounded" />
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="TransactionResponseContentDetails">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="TransactionIdentifier" type="xs:token" minOccurs="0" />
              <xs:element name="TransactionCode" type="iponz:NZ TransactionCodeType"
fixed="Trade Mark E-Renewal" />
              <xs:element name="TransactionResponseData" type="TransactionResponseDataType" />
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:choice>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransactionResponseDataType">
    <xs:sequence>
      <xs:element name="TradeMarkRenewalSummaryReport"
type="TradeMarkRenewalSummaryReportType" />
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransactionResponseType">
    <xs:sequence>
      <xs:element name="TradeMarkTransactionResponseBody" type="TransactionResponseBodyType"
/>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="TransactionType">
    <xs:sequence>
      <xs:element name="TradeMarkTransactionBody" type="TransactionBodyType"/>
    </xs:sequence>
  </xs:complexType>
</xs:schema>

```

Service Operations

This service contains two operations:

1. SubmitTrademark
2. RenewTrademark

SubmitTrademark

Operation

```
<wsdl:operation name="submitTrademark">
  <wsdlsoap:operation soapAction=""/>
  <wsdl:input name="submitTrademarkRequest">
    <wsdlsoap:body use="literal"/>
  </wsdl:input>
  <wsdl:output name="submitTrademarkResponse">
    <wsdlsoap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
```

Example Request XML

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<soapenv:Envelope 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">
  <soapenv:Header>
    <Authenticator>
      <ServiceName>IPOL Trademark Application</ServiceName>
      <Authorization>T4WZUVoufkaGfsrK:wFtZpfdDAh9kul6ZENlvvmRYdWmvqjLxaqNUcpMYGTM=</Authorization>
      <Timestamp>20100419135948 NZST</Timestamp>
      <Client>100075277</Client>
    </Authenticator>
  </soapenv:Header>
  <soapenv:Body>
    <submitTrademark xmlns="http://ipol.webservice.g2b.fmit.co.nz">
      <ns1:Transaction xmlns="http://www.iponz.govt.nz/XMLSchema/trademarks/application"
        xmlns:ns1="http://www.iponz.govt.nz/XMLSchema/trademarks/application"
        xsi:schemaLocation="http://www.iponz.govt.nz/XMLSchema/trademarks/application
        ./iponz trademark application v1.05.xsd">
        <ns1:TradeMarkTransactionBody>
          <ns1:TransactionContentDetails>
            <ns1:TransactionIdentifier>string</ns1:TransactionIdentifier>
            <ns1:TransactionCode>Trade Mark E-Filing</ns1:TransactionCode>
            <ns1:TransactionData>
              <ns1:TradeMarkApplication>
                <ns1:ApplicationReference>MY TEST REF 097</ns1:ApplicationReference>
                <ns1:ApplicationContact>Representative</ns1:ApplicationContact>
                <ns1:TradeMarkDetails>
                  <ns2:TradeMark xmlns="http://www.iponz.govt.nz/XMLSchema/trademarks"
                    xmlns:ns2="http://www.iponz.govt.nz/XMLSchema/trademarks">
                    <ns2:RegistrationOfficeCode>NZ</ns2:RegistrationOfficeCode>
                    <ns2:IntendedUseCode>YAPP</ns2:IntendedUseCode>
                    <ns2:KindMark>Individual</ns2:KindMark>
                    <ns2:WordMarkDetails>
                      <ns2:WordMarkSpecification>
                        <ns2:MarkVerbalElementText>string</ns2:MarkVerbalElementText>
                      </ns2:WordMarkSpecification>
                    </ns2:WordMarkDetails>
                    <ns2:GoodsServicesDetails>
                      <ns2:GoodsServices>
                        <ns2:ClassDescriptionDetails>
                          <ns2:ClassDescription>
                            <ns2:ClassNumber>45</ns2:ClassNumber>
                            <ns2:GoodsServicesDescription>Test Service
Description</ns2:GoodsServicesDescription>
                          </ns2:ClassDescription>
                        </ns2:ClassDescriptionDetails>
                      </ns2:GoodsServices>
                    </ns2:GoodsServicesDetails>
                    <ns2:TradeMarkApplicantDetails>
                      <ns2:TradeMarkApplicant contact="false">
                        <ns2:NewApplicant>
                          <ns2:ApplicantLegalEntity>Person</ns2:ApplicantLegalEntity>
                          <ns2:ApplicantNationalityCode>NZ</ns2:ApplicantNationalityCode>
                          <ns2:ApplicantAddressBook>
                            <ns2:FormattedNameAddress>
                              <ns2:Name>
                                <ns2:FormattedName>
                                  <ns2:PersonName>
                                    <ns2:FirstName>string</ns2:FirstName>
                                    <ns2:LastName>string</ns2:LastName>
                                  </ns2:PersonName>
                                </ns2:FormattedName>
                              </ns2:Name>
                              <ns2:Address>
                                <ns2:AddressCountryCode>NZ</ns2:AddressCountryCode>
                                <ns2:FormattedAddress>
                                  <ns2:AddressLine>string</ns2:AddressLine>
                                  <ns2:AddressLine>string</ns2:AddressLine>
                                  <ns2:AddressCity>string</ns2:AddressCity>
                                  <ns2:AddressPostcode>1234</ns2:AddressPostcode>
                                </ns2:FormattedAddress>
                              </ns2:Address>
                            </ns2:FormattedNameAddress>
                          <ns2:ContactInformationDetails>
                            <ns2:Phone>
                              <ns2:CountryCode>64</ns2:CountryCode>
```

```

        <ns2:AreaCode>9</ns2:AreaCode>
        <ns2:Number>1234567</ns2:Number>
      </ns2:Phone>
    </ns2:ContactInformationDetails>
    <ns2:PostalAddress>
      <ns2:AddressCountryCode>NZ</ns2:AddressCountryCode>
      <ns2:FormattedAddress>
        <ns2:AddressLine>string</ns2:AddressLine>
        <ns2:AddressCity>string</ns2:AddressCity>
        <ns2:AddressPostcode>1234</ns2:AddressPostcode>
      </ns2:FormattedAddress>
    </ns2:PostalAddress>
  </ns2:ApplicantAddressBook>
</ns2:NewApplicant>
</ns2:TradeMarkApplicant>
</ns2:TradeMarkApplicantDetails>
</ns2:TradeMark>
</ns1:TradeMarkDetails>
</ns1:TradeMarkApplication>
</ns1:TransactionData>
</ns1:TransactionContentDetails>
</ns1:TradeMarkTransactionBody>
</ns1:Transaction>
</submitTrademark>
</soapenv:Body>
</soapenv:Envelope>

```

Example Response XML

```

<?xml version="1.0" encoding="utf-8" standalone="no"?>
<soapenv:Envelope 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">
  <soapenv:Body>
    <submitTrademarkReturn xmlns="http://ipol.webservice.g2b.fmit.co.nz">
      <TransactionResponse xmlns="http://www.iponz.govt.nz/XMLSchema/trademarks/application">
        <TradeMarkTransactionResponseBody>
          <TransactionErrorDetails>
            <TransactionIdentifier>string</TransactionIdentifier>
            <TransactionCode>Trade Mark E-Filing</TransactionCode>
            <TransactionError>
              <TransactionErrorCode>GTMAPCREF3</TransactionErrorCode>
              <TransactionErrorText languageCode="en">TMClientRef element value already used. Please
supply a new one.</TransactionErrorText>
            </TransactionError>
          </TransactionErrorDetails>
        </TradeMarkTransactionResponseBody>
      </TransactionResponse>
    </submitTrademarkReturn>
  </soapenv:Body>
</soapenv:Envelope>

```

Renew Trademark

Operation

```

<wsdl:operation name="renewTrademark">
  <wsdlsoap:operation soapAction=""/>
  <wsdl:input name="renewTrademarkRequest">
    <wsdlsoap:body use="literal"/>
  </wsdl:input>
  <wsdl:output name="renewTrademarkResponse">
    <wsdlsoap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>

```

Example Request XML

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<soapenv:Envelope 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">
  <soapenv:Header>
    <Authenticator>
      <ServiceName>IPOL Trademark Renewal</ServiceName>
      <Authorization>T4WZUVoufKaGfsrK:/2TiKU+Oj/UCHIeIKgggHZ0ZaYNYZAafMJ4+J+jWQLg=</Authorization>
      <Timestamp>20100419142929 NZST</Timestamp>
      <Client>100075277</Client>
    </Authenticator>
  </soapenv:Header>
  <soapenv:Body>
    <renewTrademark xmlns="http://ipol.webservice.g2b.fmit.co.nz">
      <ns1:Transaction xmlns="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal"
xmlns:ns1="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal"
xsi:schemaLocation="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal
http://data.dev.business.govt.nz/data/app/ws/iponz trademark renewal v1.05.xsd">
        <ns1:TradeMarkTransactionBody>

```

```

<ns1:TransactionContentDetails>
  <ns1:TransactionIdentifier>string</ns1:TransactionIdentifier>
  <ns1:TransactionCode>Trade Mark E-Renewal</ns1:TransactionCode>
  <ns1:TransactionData>
    <ns1:TradeMarkRenewal>
      <ns1:TradeMarkRenewalDetails>
        <ns1:RenewalReference>string</ns1:RenewalReference>
        <ns1:RegistrationNumber>1234567</ns1:RegistrationNumber>
      </ns1:TradeMarkRenewalDetails>
    </ns1:TradeMarkRenewal>
  </ns1:TransactionData>
</ns1:TransactionContentDetails>
</ns1:TradeMarkTransactionBody>
</ns1:Transaction>
</renewTrademark>
</soapenv:Body>
</soapenv:Envelope>

```

Example Response XML

```

<?xml version="1.0" encoding="utf-8" standalone="no"?>
<soapenv:Envelope 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">
  <soapenv:Body>
    <renewTrademarkReturn xmlns="http://ipol.webservice.g2b.fmit.co.nz">
      <TransactionResponse xmlns="http://www.iponz.govt.nz/XMLSchema/trademarks/renewal">
        <TradeMarkTransactionResponseBody>
          <TransactionErrorDetails>
            <TransactionIdentifier>string</TransactionIdentifier>
            <TransactionCode>Trade Mark E-Renewal</TransactionCode>
            <TransactionError>
              <TransactionErrorCode>GIPR-NUM3</TransactionErrorCode>
              <TransactionErrorText languageCode="en">IPNewZealandNumber 1234567: Must exist in the
IP IP table with the correct IP division.</TransactionErrorText>
            </TransactionError>
          </TransactionErrorDetails>
        </TradeMarkTransactionResponseBody>
      </TransactionResponse>
    </renewTrademarkReturn>
  </soapenv:Body>
</soapenv:Envelope>

```