HACIENDA
SECRETARÍA DE HACIENDA Y CRÉDITO PÚBLICO

SAT
SERVICIO DE ADMINISTRACIÓN TRIBUTARIA

Documentación del Servicio de Consulta de CFDI

Versión 1.2

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1. Descripción

El Servicio de consulta de CFDI´s se diseñó para permitir la validación accediendo a un servicio publicado en la página del SAT, el servicio pretende proveer una alternativa de consulta que requiera verificar el estado de un comprobante en las Bases de Datos del SAT.

2. Contrato

URL: *https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc*

WSDL **ConsultaCFDIService.svc?wsdl**

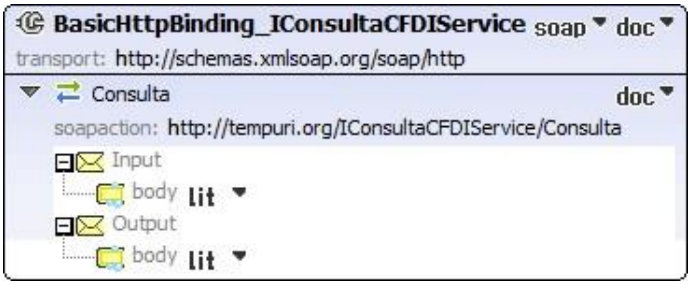
WSDL location:	*https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc?wsdl*
targetnamespace	**http://tempuri.org**

services	bindings	porttypes	messages	types
ConsultaCFDIService	**BasicHttpBinding_IConsultaCFDIService**	**IConsultaCFDIService**	**IConsultaCFDIService_Consulta_InputMessage** **IConsultaCFDIService_Consulta_OutputMessage**	expresionimpresa **Acuse** **anyType** **anyURI** **base64Binary** **boolean** **byte** **char** **char** **Consulta** **ConsultaResponse** **dateTime** **decimal** **double** **duration** **duration** **float** **guid** **guid** **int** **long** **QName** **short** **string** **unsignedByte** **unsignedInt** **unsignedLong** **unsignedShort**

service ConsultaCFDIService

diagra m	
ports	**BasicHttpBinding_IConsultaCFDIService** binding tns:BasicHttpBinding_IConsultaCFDIService extensibility <soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/>
source	<wsdl:service name="ConsultaCFDIService"> <wsdl:port name="BasicHttpBinding_IConsultaCFDIService" binding="tns:BasicHttpBinding_IConsultaCFDIService"> <soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/> </wsdl:port> </wsdl:service>

binding BasicHttpBinding_IConsultaCFDIService

diagram	
type	**tns:IConsultaCFDIService**
extensibility	<soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
operations	**Consulta** extensibility <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta" style="document"/> input <soap:body use="literal"/> output <soap:body use="literal"/>
used by	Port **BasicHttpBinding_IConsultaCFDIService** in Service **ConsultaCFDIService**
source	<wsdl:binding name="BasicHttpBinding_IConsultaCFDIService" type="tns:IConsultaCFDIService"> <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/> <wsp:PolicyReference URI="#BasicHttpBinding_IConsultaCFDIService_policy"/> <wsdl:operation name="Consulta"> <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta" style="document"/> <wsdl:input> <soap:body use="literal"/> </wsdl:input> <wsdl:output> <soap:body use="literal"/> </wsdl:output> </wsdl:operation> </wsdl:binding>

porttype IConsultaCFDIService

diagram	
operations	**Consulta** input **tns:IConsultaCFDIService_Consulta_InputMessage** output **tns:IConsultaCFDIService_Consulta_OutputMessage**
used by	binding **BasicHttpBinding_IConsultaCFDIService**
source	<wsdl:portType name="IConsultaCFDIService"> <wsdl:operation name="Consulta"> <wsdl:input message="tns:IConsultaCFDIService_Consulta_InputMessage" wsaw:Action="http://tempuri.org/IConsultaCFDIService/Consulta"/> <wsdl:output message="tns:IConsultaCFDIService_Consulta_OutputMessage" wsaw:Action="http://tempuri.org/IConsultaCFDIService/ConsultaResponse"/> </wsdl:operation> </wsdl:portType>

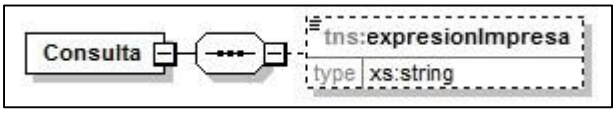
message IConsultaCFDIService_Consulta_InputMessage

parts	**parameters** element **tns:Consulta**
used by	Operation **Consulta** in PortType **IConsultaCFDIService**
source	<wsdl:message name="IConsultaCFDIService_Consulta_InputMessage"> <wsdl:part name="parameters" element="tns:Consulta"/> </wsdl:message>

message IConsultaCFDIService_Consulta_OutputMessage

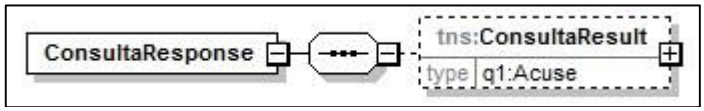
parts	**parameters** element **tns:ConsultaResponse**
used by	Operation **Consulta** in PortType **IConsultaCFDIService**
source	<wsdl:message name="IConsultaCFDIService_Consulta_OutputMessage"> <wsdl:part name="parameters" element="tns:ConsultaResponse"/> </wsdl:message>

element Consulta

diagram	
namespace	http://tempuri.org/
properties	content complex

children	**tns:expresionImpresa**
source	<xsd:element name="Consulta"> <xsd:complexType> <xsd:sequence> <xsd:element name="expresionImpresa" type="xs:string" nillable="true" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element ConsultaResponse

diagram	
namespace	http://tempuri.org/
properties	content complex
children	**tns:ConsultaResult**
source	<xsd:element name="ConsultaResponse"> <xsd:complexType> <xsd:sequence> <xsd:element name="ConsultaResult" type="q1:Acuse" nillable="true" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

CODIGO

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions name="ConsultaCFDIService" targetNamespace="http://tempuri.org/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
xmlns:wsx="http://schemas.xmlsoap.org/ws/2004/09/mex"
xmlns:wsap="http://schemas.xmlsoap.org/ws/2004/08/addressing/policy"
xmlns:msc="http://schemas.microsoft.com/ws/2005/12/wsdl/contract"
xmlns:wsp="http://schemas.xmlsoap.org/ws/2004/09/policy" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-wssecurity-utility-1.0.xsd" xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://tempuri.org/"
xmlns:wsa10="http://www.w3.org/2005/08/addressing" xmlns:wsaw="http://www.w3.org/2006/05/addressing/wsdl"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing">
        <wsp:Policy wsu:Id="BasicHttpBinding_IConsultaCFDIService_policy">
                <wsp:ExactlyOne>
                        <wsp:All>
                                <sp:TransportBinding
xmlns:sp="http://schemas.xmlsoap.org/ws/2005/07/securitypolicy">
                                        <wsp:Policy>
                                                <sp:TransportToken>
                                                        <wsp:Policy>
                                                                <sp:HttpsToken
RequireClientCertificate="false"/>
                                                        </wsp:Policy>
                                                </sp:TransportToken>
                                                <sp:AlgorithmSuite>
                                                        <wsp:Policy>
                                                                <sp:Basic256/>
                                                        </wsp:Policy>
                                                </sp:AlgorithmSuite>
                                                <sp:Layout>
```

```
                                                <wsp:Policy>
                                                        <sp:Strict/>
                                                </wsp:Policy>
                                        </sp:Layout>
                                </wsp:Policy>
                        </sp:TransportBinding>
                </wsp:All>
        </wsp:ExactlyOne>
</wsp:Policy>
<wsdl:types>
        <xs:schema elementFormDefault="qualified" targetNamespace="http://tempuri.org/"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
                <xs:import
namespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio"/>
                <xs:element name="Consulta">
                        <xs:complexType>
                                <xs:sequence>
                                        <xs:element minOccurs="0" name="expresionImpresa"
nillable="true" type="xs:string"/>
                                </xs:sequence>
                        </xs:complexType>
                </xs:element>
                <xs:element name="ConsultaResponse">
                        <xs:complexType>
                                <xs:sequence>
                                        <xs:element minOccurs="0" name="ConsultaResult"
nillable="true" type="q1:Acuse"
xmlns:q1="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio"/>
                                </xs:sequence>
                        </xs:complexType>
                </xs:element>
        </xs:schema>
        <xs:schema attributeFormDefault="qualified" elementFormDefault="qualified"
targetNamespace="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:tns="http://schemas.microsoft.com/2003/10/Serialization/">
                <xs:element name="anyType" nillable="true" type="xs:anyType"/>
                <xs:element name="anyURI" nillable="true" type="xs:anyURI"/>
                <xs:element name="base64Binary" nillable="true" type="xs:base64Binary"/>
                <xs:element name="boolean" nillable="true" type="xs:boolean"/>
                <xs:element name="byte" nillable="true" type="xs:byte"/>
                <xs:element name="dateTime" nillable="true" type="xs:dateTime"/>
                <xs:element name="decimal" nillable="true" type="xs:decimal"/>
                <xs:element name="double" nillable="true" type="xs:double"/>
                <xs:element name="float" nillable="true" type="xs:float"/>
                <xs:element name="int" nillable="true" type="xs:int"/>
                <xs:element name="long" nillable="true" type="xs:long"/>
                <xs:element name="QName" nillable="true" type="xs:QName"/>
                <xs:element name="short" nillable="true" type="xs:short"/>
                <xs:element name="string" nillable="true" type="xs:string"/>
                <xs:element name="unsignedByte" nillable="true" type="xs:unsignedByte"/>
                <xs:element name="unsignedInt" nillable="true" type="xs:unsignedInt"/>
                <xs:element name="unsignedLong" nillable="true" type="xs:unsignedLong"/>
                <xs:element name="unsignedShort" nillable="true" type="xs:unsignedShort"/>
                <xs:element name="char" nillable="true" type="tns:char"/>
                <xs:simpleType name="char">
                        <xs:restriction base="xs:int"/>
                </xs:simpleType>
                <xs:element name="duration" nillable="true" type="tns:duration"/>
                <xs:simpleType name="duration">
                        <xs:restriction base="xs:duration">
                                <xs:pattern value="\-?P(\d*D)?(T(\d*H)?(\d*M)?(\d*(\.\d*)?S)?)?"/>
                                <xs:minInclusive value="-P10675199DT2H48M5.4775808S"/>
                                <xs:maxInclusive value="P10675199DT2H48M5.4775807S"/>
                        </xs:restriction>
                </xs:simpleType>
                <xs:element name="guid" nillable="true" type="tns:guid"/>
```

```
                        <xs:simpleType name="guid">
                            <xs:restriction base="xs:string">
                                <xs:pattern value="[\da-fA-F]{8}-[\da-fA-F]{4}-[\da-fA-F]{4}-[\da-fA-F]{4}-
[\da-fA-F]{12}"/>
                            </xs:restriction>
                        </xs:simpleType>
                        <xs:attribute name="FactoryType" type="xs:QName"/>
                        <xs:attribute name="Id" type="xs:ID"/>
                        <xs:attribute name="Ref" type="xs:IDREF"/>
                    </xs:schema>
                    <xs:schema elementFormDefault="qualified"
targetNamespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:tns="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio">
                        <xs:complexType name="Acuse">
                            <xs:sequence>
                                <xs:element minOccurs="0" name="CodigoEstatus" nillable="true"
type="xs:string"/>
                                <xs:element minOccurs="0" name="EsCancelable" nillable="true"
type="xs:string"/>
                                <xs:element minOccurs="0" name="Estado" nillable="true"
type="xs:string"/>
                                <xs:element minOccurs="0" name="EstatusCancelacion" nillable="true"
type="xs:string"/>
                            </xs:sequence>
                        </xs:complexType>
                        <xs:element name="Acuse" nillable="true" type="tns:Acuse"/>
                    </xs:schema>
                </wsdl:types>
                <wsdl:message name="IConsultaCFDIService_Consulta_InputMessage">
                    <wsdl:part name="parameters" element="tns:Consulta"/>
                </wsdl:message>
                <wsdl:message name="IConsultaCFDIService_Consulta_OutputMessage">
                    <wsdl:part name="parameters" element="tns:ConsultaResponse"/>
                </wsdl:message>
                <wsdl:portType name="IConsultaCFDIService">
                    <wsdl:operation name="Consulta">
                        <wsdl:input wsaw:Action="http://tempuri.org/IConsultaCFDIService/Consulta"
message="tns:IConsultaCFDIService_Consulta_InputMessage"/>
                        <wsdl:output wsaw:Action="http://tempuri.org/IConsultaCFDIService/ConsultaResponse"
message="tns:IConsultaCFDIService_Consulta_OutputMessage"/>
                    </wsdl:operation>
                </wsdl:portType>
                <wsdl:binding name="BasicHttpBinding_IConsultaCFDIService" type="tns:IConsultaCFDIService">
                    <wsp:PolicyReference URI="#BasicHttpBinding_IConsultaCFDIService_policy"/>
                    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
                    <wsdl:operation name="Consulta">
                        <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta"
style="document"/>
                        <wsdl:input>
                            <soap:body use="literal"/>
                        </wsdl:input>
                        <wsdl:output>
                            <soap:body use="literal"/>
                        </wsdl:output>
                    </wsdl:operation>
                </wsdl:binding>
                <wsdl:service name="ConsultaCFDIService">
                    <wsdl:port name="BasicHttpBinding_IConsultaCFDIService"
binding="tns:BasicHttpBinding_IConsultaCFDIService">
                        <soap:address
location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/>
                    </wsdl:port>
                </wsdl:service>
</wsdl:definitions>
```

3. Mensajes de Respuesta

Los mensajes de respuesta que arroja el servicio de consulta de CFDI´s incluyen la descripción del resultado de la operación que corresponden a la siguiente clasificación:

Mensajes de Rechazo.

N 601: La expresión impresa proporcionada no es válida.

Este código de respuesta se presentará cuando la petición de validación no se haya respetado en el formato definido.

N 602: Comprobante no encontrado.

Este código de respuesta se presentará cuando el UUID del comprobante no se encuentre en la Base de Datos del SAT.

Mensajes de Aceptación.

S Comprobante obtenido satisfactoriamente.

4. Ejemplo de Implementación

```
namespace Sat.Cfdi.Negocio.ConsultaCfdi.Servicio
{
    using System.Runtime.Serialization;
    using System;


    [System.Diagnostics.DebuggerStepThroughAttribute()]
    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.Runtime.Serialization",
"4.0.0.0")]
    [System.Runtime.Serialization.DataContractAttribute(Name="Acuse",
Namespace="http://schemas.datacontract.org/2004/07/Sat.Cfdi.Negocio.ConsultaCfdi.Servicio")]
    [System.SerializableAttribute()]
    public partial class Acuse : object, System.Runtime.Serialization.IExtensibleDataObject,
System.ComponentModel.INotifyPropertyChanged {

        [System.NonSerializedAttribute()]
        private System.Runtime.Serialization.ExtensionDataObject extensionDataField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string CodigoEstatusField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string EsCancelableField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string EstadoField;

        [System.Runtime.Serialization.OptionalFieldAttribute()]
        private string EstatusCancelacionField;

        [global::System.ComponentModel.BrowsableAttribute(false)]
        public System.Runtime.Serialization.ExtensionDataObject ExtensionData {
            get {
                return this.extensionDataField;
            }
            set {
                this.extensionDataField = value;
            }
        }

        [System.Runtime.Serialization.DataMemberAttribute()]
        public string CodigoEstatus {
            get {
                return this.CodigoEstatusField;
            }
            set {
                if ((object.ReferenceEquals(this.CodigoEstatusField, value) != true)) {
                    this.CodigoEstatusField = value;
                    this.RaisePropertyChanged("CodigoEstatus");
                }
            }
        }

        [System.Runtime.Serialization.DataMemberAttribute()]
```

```
        public string EsCancelable {
            get {
                return this.EsCancelableField;
            }
            set {
                if ((object.ReferenceEquals(this.EsCancelableField, value) != true)) {
                    this.EsCancelableField = value;
                    this.RaisePropertyChanged("EsCancelable");
                }
            }
        }

        [System.Runtime.Serialization.DataMemberAttribute()]
        public string Estado {
            get {
                return this.EstadoField;
            }
            set {
                if ((object.ReferenceEquals(this.EstadoField, value) != true)) {
                    this.EstadoField = value;
                    this.RaisePropertyChanged("Estado");
                }
            }
        }

        [System.Runtime.Serialization.DataMemberAttribute()]
        public string EstatusCancelacion {
            get {
                return this.EstatusCancelacionField;
            }
            set {
                if ((object.ReferenceEquals(this.EstatusCancelacionField, value) != true)) {
                    this.EstatusCancelacionField = value;
                    this.RaisePropertyChanged("EstatusCancelacion");
                }
            }
        }

        public event System.ComponentModel.PropertyChangedEventHandler PropertyChanged;

        protected void RaisePropertyChanged(string propertyName) {
            System.ComponentModel.PropertyChangedEventHandler propertyChanged =
this.PropertyChanged;
            if ((propertyChanged != null)) {
                propertyChanged(this, new
System.ComponentModel.PropertyChangedEventArgs(propertyName));
            }
        }
    }

    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]

[System.ServiceModel.ServiceContractAttribute(ConfigurationName="ConsultaCFDIService.ICons
ultaCFDIService")]
    public interface IConsultaCFDIService {
```

```
[System.ServiceModel.OperationContractAttribute(Action="http://tempuri.org/IConsultaCFDIService/Consulta", ReplyAction="http://tempuri.org/IConsultaCFDIService/ConsultaResponse")]
        QRConsola.ConsultaCFDIService.Acuse Consulta(string expresionImpresa);


[System.ServiceModel.OperationContractAttribute(Action="http://tempuri.org/IConsultaCFDIService/Consulta", ReplyAction="http://tempuri.org/IConsultaCFDIService/ConsultaResponse")]
        System.Threading.Tasks.Task<QRConsola.ConsultaCFDIService.Acuse> ConsultaAsync(string expresionImpresa);
    }

    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]
    public interface IConsultaCFDIServiceChannel : QRConsola.ConsultaCFDIService.IConsultaCFDIService, System.ServiceModel.IClientChannel {
    }

    [System.Diagnostics.DebuggerStepThroughAttribute()]
    [System.CodeDom.Compiler.GeneratedCodeAttribute("System.ServiceModel", "4.0.0.0")]
    public partial class ConsultaCFDIServiceClient : System.ServiceModel.ClientBase<QRConsola.ConsultaCFDIService.IConsultaCFDIService>, QRConsola.ConsultaCFDIService.IConsultaCFDIService {

        public ConsultaCFDIServiceClient() {
        }

        public ConsultaCFDIServiceClient(string endpointConfigurationName) :
            base(endpointConfigurationName) {
        }

        public ConsultaCFDIServiceClient(string endpointConfigurationName, string remoteAddress) :
            base(endpointConfigurationName, remoteAddress) {
        }

        public ConsultaCFDIServiceClient(string endpointConfigurationName, System.ServiceModel.EndpointAddress remoteAddress) :
            base(endpointConfigurationName, remoteAddress) {
        }

        public ConsultaCFDIServiceClient(System.ServiceModel.Channels.Binding binding, System.ServiceModel.EndpointAddress remoteAddress) :
            base(binding, remoteAddress) {
        }

        public QRConsola.ConsultaCFDIService.Acuse Consulta(string expresionImpresa) {
            return base.Channel.Consulta(expresionImpresa);
        }

        public System.Threading.Tasks.Task<QRConsola.ConsultaCFDIService.Acuse> ConsultaAsync(string expresionImpresa) {
            return base.Channel.ConsultaAsync(expresionImpresa);
        }
    }
}
```

5. Capacidad de respuesta

El servicio de Consulta de CFDI´s tiene la capacidad de atender hasta 2 millones de consultas por hr., debido a que estas consultas acceden las Bases de Datos transaccionales del SAT se solicita no aumentar la cantidad de consultas por hora para evitar impactos en la respuesta del servicio.