

Documentación del Servicio de Consulta de CFDI

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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 ConsultaR esponse dateTime decimal double duration duration float guid guid int long QName short string unsignedByte unsignedInt unsignedLong unsignedShort

service ConsultaCFDIService

diagram	<p>ConsultaCFDIService BasicHttpBinding_IConsultaCFDIService Location: https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc</p>
ports	<p>BasicHttpBinding_IConsultaCFDIService</p> <p>binding tns:BasicHttpBinding_IConsultaCFDIService</p> <p>extensibility <soap:address location="https://consultaqr.facturaelectronica.sat.gob.mx/ConsultaCFDIService.svc"/></p>
source	<pre><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></pre>

binding BasicHttpBinding_IConsultaCFDIService

diagram	<p>BasicHttpBinding_IConsultaCFDIService soap doc transport: http://schemas.xmlsoap.org/soap/http Consulta doc soapaction: http://tempuri.org/IConsultaCFDIService/Consulta Input body lit Output body lit</p>
type	tns:IConsultaCFDIService
extensibility	<soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
operations	<p>Consulta</p> <p>extensibility <soap:operation soapAction="http://tempuri.org/IConsultaCFDIService/Consulta" style="document"/></p> <p>input <soap:body use="literal"/></p> <p>output <soap:body use="literal"/></p>

used by	Port BasicHttpBinding_IConsultaCFDIService in Service ConsultaCFDIService
source	<pre><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></pre>

porttype IConsultaCFDIService

diagram	
operations	<p>Consulta</p> <p>input tns:IConsultaCFDIService_Consulta_InputMessage</p> <p>output tns:IConsultaCFDIService_Consulta_OutputMessage</p>
used by	binding BasicHttpBinding_IConsultaCFDIService
source	<pre><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></pre>

message IConsultaCFDIService_Consulta_InputMessage

parts	<p>parameters</p> <p>element tns:Consulta</p>
used by	Operation Consulta in PortType IConsultaCFDIService

source	<pre><wsdl:message name="IConsultaCFDIService_Consulta_InputMessage"> <wsdl:part name="parameters" element="tns:Consulta"/> </wsdl:message></pre>
--------	---

message IConsultaCFDIService_Consulta_OutputMessage

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

element Consulta

diagram	
namespace	http://tempuri.org/
properties	content complex
children	tns:expresionImpresa
source	<pre><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></pre>

element ConsultaResponse

diagram	
namespace	http://tempuri.org/
properties	content complex
children	tns:ConsultaResult

source	<pre><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></pre>
--------	--

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:sequence>
  </xs:complexType>

```

```

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 stringCodigoEstatusField;

        [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 stringCodigoEstatus {
            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.IConsultaCFDIService")]
]
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.