

CCH SureTax – Calculate Tax Integration Flow (iFlow)

Date Updated from SAP API site: 9/9/2019

Introduction:

CCH SureTax iFlow for SAP CO_TAX_CALCULATION_SPRX, which is configured in your SAP S4/HANA Cloud system via communication scenario SAP_COM_0177.

An active CCH SureTax account for V07 is required.

Please refer to SAP's CO_TAX_CALCULATION_SPRX documentation for details.

Please view the 'CCH SureTax Integration for SAP S4HC Technical Guide' for more details.

iFlow Details

1. URL = /WK_S4CLDtoWK_CalculateTax
2. Requests to the iFlow are expected to be SOAP format matching the XSD for CO_TAX_CALCULATION_SPRX's request (see TAX_CALCULATION_SEND XSD below).
3. CCH SureTax API (SOAP web service) used:
 - a. SoapRequest - is called using mapped data from SAP CalculateTax requests.
ReturnFileCode = Q is used to send only quotes to CCH SureTax.
4. Returns SOAP response in format matching the XSD for CO_TAX_CALCULATION_SPRX's response (see below WSDL from https://api.sap.com/api/CO_TAX_CALCULATION/overview)

CO_TAX_CALCULATION.wsdl

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions targetNamespace="http://sap.com/xi/FotETaxUS" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:wssoap12="http://schemas.xmlsoap.org/wsdl/soap12/" xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/" xmlns:tns="http://sap.com/xi/FotETaxUS"
xmlns:n1="http://sap.com/xi/SAPGlobal20/Global">
  <wsdl:documentation>
    <sidl:sidl xmlns:sidl="http://www.sap.com/2007/03/sidl"/>
  </wsdl:documentation>
  <wsdl:types>
    <xsd:schema targetNamespace="http://sap.com/xi/FotETaxUS" xmlns="http://sap.com/xi/FotETaxUS"
xmlns:xi0="http://sap.com/xi/SAPGlobal20/Global">
      <xsd:element name="TAX_CALCULATION_RECEIVE" type="TAX_CALCULATION_RECEIVE"/>
      <xsd:element name="TAX_CALCULATION_SEND" type="TAX_CALCULATION_SEND"/>
      <xsd:complexType name="CALCULATION_HEADER">
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    <xsd:element name="url" minOccurs="0" type="xsd:string"/>
    <xsd:element name="id" minOccurs="0" type="xsd:string"/>
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    <xsd:length value="6"/>
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</xsd:complexType>
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  <xsd:sequence>
    <xsd:element name="CALCULATION_RESULT_HEADER" minOccurs="0" type="CALCULATION_RESULT_HEADER"/>
    <xsd:element name="CALCULATION_RESULT_ITEM" minOccurs="0" maxOccurs="unbounded" type="CALCULATION_RESULT_ITEM"/>
    <xsd:element name="RESULT_ITEM_JUR" minOccurs="0" maxOccurs="unbounded" type="RESULT_ITEM_JUR"/>
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<xsd:complexType name="TAX_CALCULATION_SEND">
  <xsd:sequence>
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    <xsd:element name="CALCULATION_ITEM" maxOccurs="unbounded" type="CALCULATION_ITEM"/>
  </xsd:sequence>

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    <xsd:element name="TAX_POPUP_FIELDS_C" minOccurs="0" type="TAX_POPUP_FIELDS_C"/>
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    </xsd:element>
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        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
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        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="100"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="EXTENSION_FIELD007" minOccurs="0">
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          <xsd:maxLength value="100"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
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          <xsd:maxLength value="100"/>
        </xsd:restriction>
      </xsd:simpleType>
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  </xsd:sequence>
</xsd:complexType>

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      <xsd:maxLength value="100"/>
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  </xsd:simpleType>
</xsd:element>
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      <xsd:maxLength value="100"/>
    </xsd:restriction>
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    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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    </xsd:restriction>
  </xsd:simpleType>
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</xsd:element>
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  </xsd:simpleType>
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</xsd:element>
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</xsd:element>
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  </xsd:simpleType>
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</xsd:restriction>
</xsd:simpleType>
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      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
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    <xsd:restriction base="xsd:string">
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</xsd:element>
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      <xsd:maxLength value="100"/>
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  </xsd:simpleType>
</xsd:element>
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      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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    <xsd:restriction base="xsd:string">
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    </xsd:restriction>
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</xsd:element>
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    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="TAX_POPUP_FIELDS_S">
  <xsd:sequence>
    <xsd:element name="ACC_ASS_GL_ACCOUNT" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="ACC_ASS_COST_CENTER" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="DOC_DATE" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:date">
          <xsd:pattern value="[0-9]{4}-[0-9]{2}-[0-9]{2}"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="POS_DATE" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:date">
          <xsd:pattern value="[0-9]{4}-[0-9]{2}-[0-9]{2}"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SHIP_TO_CUST" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

```

</xsd:restriction>
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<xsd:maxLength value="10"/>
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</xsd:simpleType>
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<xsd:restriction base="xsd:date">
<xsd:pattern value="[0-9]{4}-[0-9]{2}-[0-9]{2}"/>
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</xsd:simpleType>
</xsd:element>
<xsd:element name="PURCHASE_DOC" minOccurs="0">
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<xsd:restriction base="xsd:string">
<xsd:maxLength value="10"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="SALES_DOC" minOccurs="0">
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<xsd:restriction base="xsd:string">
<xsd:maxLength value="10"/>
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</xsd:simpleType>
</xsd:element>
<xsd:element name="SALES_DOC_CATEGORY" minOccurs="0">
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<xsd:maxLength value="10"/>
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</xsd:simpleType>
</xsd:element>
<xsd:element name="BILLED_AMOUNT" minOccurs="0">
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<xsd:maxLength value="15"/>
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</xsd:simpleType>
</xsd:element>
<xsd:element name="WBS_ELEMENT" minOccurs="0">
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<xsd:restriction base="xsd:string">
<xsd:maxLength value="8"/>
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</xsd:simpleType>
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</xsd:sequence>
</xsd:complexType>
</xsd:schema>
<xsd:schema targetNamespace="http://sap.com/xi/SAPGlobal20/Global" xmlns="http://sap.com/xi/SAPGlobal20/Global"
xmlns:xi0="http://sap.com/xi/SAPGlobal20/Global">
<xsd:import namespace="http://sap.com/xi/FotETaxUS"/>
<xsd:element name="StandardMessageFault">
<xsd:complexType>
<xsd:sequence>
<xsd:element name="standard" type="tns:ExchangeFaultData"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:schema>

```



```
</wsdl:types>
<wsdl:message name="TAX_CALCULATION_SEND">
<wsdl:part name="TAX_CALCULATION_SEND" element="tns:TAX_CALCULATION_SEND"/>
</wsdl:message>
<wsdl:message name="TAX_CALCULATION_RECEIVE">
<wsdl:part name="TAX_CALCULATION_RECEIVE" element="tns:TAX_CALCULATION_RECEIVE"/>
</wsdl:message>
<wsdl:message name="StandardMessageFault">
<wsdl:part name="StandardMessageFault" element="n1:StandardMessageFault"/>
</wsdl:message>
<wsdl:portType name="Tax_Calculation">
<wsdl:documentation>
<sapdoc:sapdoc xmlns:sapdoc="urn:sap:esi:documentation">
<sapdoc:docitem applicationComponent="FI-GL-GL-F"/>
</sapdoc:sapdoc>
</wsdl:documentation>
<wsdl:operation name="TaxDocumentCalculate">
<wsdl:input message="tns:TAX_CALCULATION_SEND"/>
<wsdl:output message="tns:TAX_CALCULATION_RECEIVE"/>
<wsdl:fault name="StandardMessageFault" message="tns:StandardMessageFault"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:binding type="tns:Tax_Calculation" name="CO_TAX_CALCULATION">
<wsdl:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
<wsdl:operation name="TaxDocumentCalculate">
<wsdl:input>
<wsdl:body use="literal"/>
</wsdl:input>
<wsdl:output>
<wsdl:body use="literal"/>
</wsdl:output>
<wsdl:fault name="StandardMessageFault">
<wsdl:body use="literal"/>
</wsdl:fault>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>
```