

CCH SureTax – Calculate Tax Integration Flow (iFlow)

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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
 - a. The above-mentioned URL is default URL and can be customized as per customers' needs.
 - b. Sender Address field is made customizable parameter.
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:wsoap12="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>
<sid:sid xmlns:sid="http://www.sap.com/2007/03/sid"/>
</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"/>
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    <xsd:element name="APP_SERVER">
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          <xsd:maxLength value="32"/>
        </xsd:restriction>
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    <xsd:element name="SAP_VERSION">
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    <xsd:element name="INTERF_VERSION">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
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      </xsd:simpleType>
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        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
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      </xsd:simpleType>
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        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="3"/>
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      </xsd:simpleType>
    </xsd:element>
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    <xsd:restriction base="xsd:string">
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    <xsd:restriction base="xsd:string">
      <xsd:length value="1"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:length value="6"/>
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</xsd:element>
</xsd:sequence>
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        <xsd:restriction base="xsd:string">
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        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="POS_NO" minOccurs="0">
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        <xsd:restriction base="xsd:string">
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        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="GROUP_ID" minOccurs="0">
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        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="18"/>
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    </xsd:element>
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  <xsd:restriction base="xsd:date">
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    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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      <xsd:maxLength value="25"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SYST_VERSION" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
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      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="DB_VERSION" minOccurs="0">
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</xsd:element>
</xsd:sequence>
</xsd:complexType>
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        <xsd:restriction base="xsd:string">
          <xsd:length value="6"/>
        </xsd:restriction>
      </xsd:simpleType>
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          <xsd:length value="1"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
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      </xsd:simpleType>
    </xsd:element>
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          <xsd:pattern value="[0-9]{4}-[0-9]{2}-[0-9]{2}"/>
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      </xsd:simpleType>
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  </xsd:simpleType>
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</xsd:element>
</xsd:sequence>
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    <xsd:element name="faultText" type="xsd:string"/>
    <xsd:element name="faultUri" minOccurs="0" type="xsd:string"/>
    <xsd:element name="faultDetail" minOccurs="0" maxOccurs="unbounded" type="ExchangeLogData"/>
  </xsd:sequence>
</xsd:complexType>
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    <xsd:element name="url" minOccurs="0" type="xsd:string"/>
    <xsd:element name="id" minOccurs="0" type="xsd:string"/>
  </xsd:sequence>
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<xsd:complexType name="RESULT_ITEM_JUR">

```



```

<xsd:sequence>
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        <xsd:length value="6"/>
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    </xsd:simpleType>
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    </xsd:simpleType>
  </xsd:element>
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        <xsd:maxLength value="200"/>
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    </xsd:simpleType>
  </xsd:element>
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    </xsd:simpleType>
  </xsd:element>
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      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <xsd:element name="TAXBAS" minOccurs="0">
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    </xsd:simpleType>
  </xsd:element>
  <xsd:element name="EXAMT" minOccurs="0">
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      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <xsd:element name="EXCODE" minOccurs="0">
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        <xsd:length value="2"/>
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    </xsd:simpleType>
  </xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="TAX_CALCULATION_RECEIVE">
  <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"/>
  </xsd:sequence>
</xsd:complexType>

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    <xsd:element name="CALCULATION_ITEM" maxOccurs="unbounded" type="CALCULATION_ITEM"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="TAX_POPUP_FIELDS">
  <xsd:sequence>
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    <xsd:element name="TAX_POPUP_FIELDS_C" minOccurs="0" type="TAX_POPUP_FIELDS_C"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="TAX_POPUP_FIELDS_C">
  <xsd:sequence>
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        </xsd:restriction>
      </xsd:simpleType>
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          <xsd:maxLength value="100"/>
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      </xsd:simpleType>
    </xsd:element>
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      </xsd:simpleType>
    </xsd:element>
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        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="EXTENSION_FIELD005" minOccurs="0">
      <xsd:simpleType>
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          <xsd:maxLength value="100"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="EXTENSION_FIELD006" minOccurs="0">
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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">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="100"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
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```

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<xsd:maxLength value="100"/>
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</xsd:simpleType>
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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>
</xsd:element>
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<xsd:maxLength value="100"/>
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  </xsd:simpleType>
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  </xsd:simpleType>
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    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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    </xsd:restriction>
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</xsd:element>
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      <xsd:maxLength value="100"/>
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</xsd:element>
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    </xsd:restriction>
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    </xsd:restriction>
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</xsd:element>
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    <xsd:restriction base="xsd:string">
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    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="100"/>
    </xsd:restriction>
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    </xsd:restriction>
  </xsd:simpleType>
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<xsd:simpleType>
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    <xsd:maxLength value="100"/>
  </xsd:restriction>
</xsd:simpleType>
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  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="EXTENSION_FIELD048" minOccurs="0">
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      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="EXTENSION_FIELD049" minOccurs="0">
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    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="EXTENSION_FIELD050" minOccurs="0">
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    <xsd:restriction base="xsd:string">
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    </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:sequence>
</xsd:complexType>
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```

<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:element name="SOLD_TO_CUST" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="10"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="SERV_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="PURCHASE_DOC" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="10"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="SALES_DOC" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="10"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="SALES_DOC_CATEGORY" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="10"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="BILLED_AMOUNT" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="15"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="WBS_ELEMENT" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="8"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
</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"/>

```



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</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">
  <wssoap12:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
  <wsdl:operation name="TaxDocumentCalculate">
    <wsdl:input>
      <wssoap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <wssoap12:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="StandardMessageFault">
      <wssoap12:fault name="StandardMessageFault" use="literal"/>
    </wsdl:fault>
  </wsdl:operation>
</wsdl:binding>
</wsdl:definitions>
```