

CCH SureTax - Update Tax Integration Flow (iFlow)

Date Updated: 08/04/2023

Introduction:

CCH SureTax iFlow for SAP CO_TAX_UPDATE_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_UPDATE_SPRX documentation for details.

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

iFlow Details

1. URL = /WK_S4CLDtoWK_UpdateTax
 - 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. Used by SAP system for POST.
3. Requests to the iFlow are expected to be SOAP format matching the XSD for CO_TAX_UPDATE_SPRX's request (see TAX_UPDATE_SEND XSD below).
4. CCH SureTax API (SOAP web service) used:
 - a. SoapRequest – ReturnFileCode = 0 is used to POST to CCH SureTax
5. Returns SOAP response in format matching the XSD for CO_TAX_UPDATE_SPRX's response (see below WSDL from https://api.sap.com/api/CO_TAX_UPDATE/overview)

CO_TAX_UPDATE.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/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">
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<xsd:element name="TAX_UPDATE_SEND" type="TAX_UPDATE_SEND"/>
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<xsd:element name="faultUrl" minOccurs="0" type="xsd:string"/>
<xsd:element name="faultDetail" minOccurs="0" maxOccurs="unbounded" type="ExchangeLogData"/>
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<xsd:sequence>
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<xsd:element name="text" type="xsd:string"/>
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</xsd:element>
</xsd:sequence>
</xsd:complexType>
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  <xsd:sequence>
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      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
        </xsd:restriction>
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        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
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    </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>
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    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="10"/>
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  </xsd:simpleType>
</xsd:element>
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</xsd:element>
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</xsd:element>
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</xsd:element>
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</xsd:element>
```



```

    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
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</xsd:complexType>
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  <xsd:sequence>
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</xsd:complexType>
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    </xsd:element>
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    </xsd:element>
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    </xsd:element>
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</xsd:element>
<xsd:element name="CURR_DEC">
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  </xsd:simpleType>
</xsd:element>
<xsd:element name="TXJCD_L1">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:length value="2"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="TXJCD_L2">
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    <xsd:restriction base="xsd:string">
      <xsd:length value="2"/>
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  </xsd:simpleType>
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</xsd:element>
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  </xsd:simpleType>
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</xsd:complexType>
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```
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        <xsd:restriction base="xsd:string">
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        </xsd:restriction>
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    </xsd:element>
    <xsd:element name="POS_NO" minOccurs="0">
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        <xsd:restriction base="xsd:string">
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        </xsd:restriction>
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    <xsd:element name="GROUP_ID" minOccurs="0">
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    </xsd:element>
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        <xsd:restriction base="xsd:string">
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    </xsd:element>
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      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="GROUP_PROD_CODE" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="QUANTITY" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="13"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="UNIT" minOccurs="0">
```

```
<xsd:simpleType>
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="3"/>
  </xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="APAR_IND" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="1"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="TAX_TYPE" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="1"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="EXEMP_IND" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="1"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="TAX_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="TXJCD_ST" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="15"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="TXJCD_SF" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="15"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="TXJCD_POA" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="15"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="TXJCD_POO" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="15"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="AMOUNT" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="15"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
```

```
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="GROSS_AMOUNT" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="15"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="FREIGHT_AM" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="15"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="EXEMPT_AMT" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="15"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="REP_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="CREDIT_IND" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:length value="1"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="ACCNT_NO" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="16"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="ACCNT_CLS" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="10"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="COST_OBJECT" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="18"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="PTP_IND" minOccurs="0">
<xsd:simpleType>
<xsd:restriction base="xsd:string">
<xsd:maxLength value="1"/>
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
```

```
<xsd:element name="EXCERTIF" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="25"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="EXREASON" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="2"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="USER_DATA" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="50"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="STORE_CODE" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="10"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="USER_REPT_DATA" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="50"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="POPUP_FIELDS" minOccurs="0" type="TAX_POPUP_FIELDS"/>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="UPDATE_RESULT_HEADER">
  <xsd:sequence>
    <xsd:element name="API_VERSION" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="10"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="DB_VERSION" minOccurs="0">
      <xsd:simpleType>
        <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"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="TID" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="36"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

```

</xsd:simpleType>
</xsd:element>
<xsd:element name="RETCODE" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:length value="1"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="ERROR_LINE" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="6"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="ERRCODE" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="4"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="ERRMSG" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="200"/>
    </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"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>
</wsdl:types>
<wsdl:message name="TAX_UPDATE_SEND">
  <wsdl:part name="TAX_UPDATE_SEND" element="tns:TAX_UPDATE_SEND"/>
</wsdl:message>
<wsdl:message name="TAX_UPDATE_RECEIVE">
  <wsdl:part name="TAX_UPDATE_RECEIVE" element="tns:TAX_UPDATE_RECEIVE"/>
</wsdl:message>
<wsdl:message name="StandardMessageFault">
  <wsdl:part name="StandardMessageFault" element="n1:StandardMessageFault"/>
</wsdl:message>
<wsdl:portType name="Tax_Update">
  <wsdl:documentation>
    <sapdoc:sapdoc xmlns:sapdoc="urn:sap:esi:documentation">
      <sapdoc:docitem applicationComponent="FI-GL-GL-F"/>
    </sapdoc:sapdoc>
  </wsdl:documentation>
  <wsdl:operation name="TaxDocumentUpdate">
    <wsdl:input message="tns:TAX_UPDATE_SEND"/>
    <wsdl:output message="tns:TAX_UPDATE_RECEIVE"/>
    <wsdl:fault name="StandardMessageFault" message="tns:StandardMessageFault"/>
  </wsdl:operation>
</wsdl:portType>

```

```
<wsdl:binding type="tns:Tax_Update" name="CO_TAX_UPDATE">
<wsoap12:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
<wsdl:operation name="TaxDocumentUpdate">
<wsdl:input>
<wsoap12:body use="literal"/>
</wsdl:input>
<wsdl:output>
<wsoap12:body use="literal"/>
</wsdl:output>
<wsdl:fault name="StandardMessageFault">
<wsoap12:fault name="StandardMessageFault" use="literal"/>
</wsdl:fault>
</wsdl:operation>
</wsdl:binding>
</wsdl:definitions>
```