# Appendix C: The Message Schema

<?xml version="1.0" encoding="UTF-8"?>

<xs:schema targetNamespace="http://edt.health.ontario.ca/" version="1.0"

xmlns:tns="http://edt.health.ontario.ca/"

xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="delete" type="tns:delete"/>

<xs:element name="deleteResponse" type="tns:deleteResponse"/>

<xs:element name="download" type="tns:download"/>

<xs:element name="downloadResponse" type="tns:downloadResponse"/>

<xs:element name="getTypeList" type="tns:getTypeList"/>

<xs:element name="getTypeListResponse" type="tns:getTypeListResponse"/>

<xs:element name="info" type="tns:info"/>

<xs:element name="infoResponse" type="tns:infoResponse"/>

<xs:element name="list" type="tns:list"/>

<xs:element name="listResponse" type="tns:listResponse"/>

<xs:element name="submit" type="tns:submit"/>

<xs:element name="submitResponse" type="tns:submitResponse"/>

<xs:element name="update" type="tns:update"/>

<xs:element name="updateResponse" type="tns:updateResponse"/>

<xs:element name="upload" type="tns:upload"/>

<xs:element name="uploadResponse" type="tns:uploadResponse"/>

<xs:simpleType name="audit">

<xs:restriction base="xs:string">

<xs:pattern value="[0-9A-F]{8}-[0-9A-F]{4}-4[0-9A-F]{3}-[89AB][0-9A-F]{3}-[0-9A-F]{12}"/>

</xs:restriction>

</xs:simpleType>

<xs:complexType name="upload">

<xs:sequence>

<xs:element maxOccurs="5" minOccurs="1" name="upload" type="tns:uploadData"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="uploadData">

<xs:sequence>

<xs:element minOccurs="1" name="content" type="xs:base64Binary"/>

<xs:element minOccurs="0" name="description" type="xs:string"/>

<xs:element minOccurs="1" name="resourceType" type="xs:string"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="uploadResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:resourceResult"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="resourceResult">

<xs:sequence>

<xs:element minOccurs="1" name="auditID" type="tns:audit"/>

<xs:element maxOccurs="unbounded" minOccurs="1" name="response" type="tns:responseResult"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="responseResult">

<xs:sequence>

<xs:element minOccurs="0" name="description" type="xs:string"/>

<xs:element minOccurs="1" name="resourceID" type="xs:integer"/>

<xs:element minOccurs="1" name="result" type="tns:commonResult"/>

<xs:element minOccurs="1" name="status" type="tns:resourceStatus"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="commonResult">

<xs:sequence>

<xs:element minOccurs="1" name="code" type="xs:string"/>

<xs:element minOccurs="1" name="msg" type="xs:string"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="getTypeList">

<xs:sequence/>

</xs:complexType>

<xs:complexType name="getTypeListResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:typeListResult"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="typeListResult">

<xs:sequence>

<xs:element minOccurs="1" name="auditID" type="tns:audit"/>

<xs:element maxOccurs="unbounded" minOccurs="1" name="data" type="tns:typeListData"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="csnData">

<xs:sequence>

<xs:element minOccurs="0" name="soloCsn" type="xs:string"/>

<xs:element minOccurs="0" name="groupCsn" type="xs:string"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="typeListData">

<xs:sequence>

<xs:element minOccurs="1" name="access" type="tns:resourceAccess"/>

<xs:element minOccurs="1" name="descriptionEn" type="xs:string"/>

<xs:element minOccurs="1" name="descriptionFr" type="xs:string"/>

<xs:element minOccurs="1" name="groupRequired" type="xs:boolean"/>

<xs:element minOccurs="1" name="resourceType" type="xs:string"/>

<xs:element minOccurs="1" name="result" type="tns:commonResult"/>

<xs:element maxOccurs="unbounded" minOccurs="0" name="csns" type="tns:csnData"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="info">

<xs:sequence>

<xs:element maxOccurs="100" minOccurs="1" name="resourceIDs" type="xs:integer"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="infoResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:detail"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="detail">

<xs:sequence>

<xs:element minOccurs="1" name="auditID" type="tns:audit"/>

<xs:element maxOccurs="50" minOccurs="0" name="data" type="tns:detailData"/>

<xs:element minOccurs="1" name="resultSize" type="xs:integer"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="detailData">

<xs:sequence>

<xs:element minOccurs="1" name="createTimestamp" type="xs:dateTime"/>

<xs:element minOccurs="0" name="description" type="xs:string"/>

<xs:element minOccurs="0" name="resourceType" type="xs:string"/>

<xs:element minOccurs="0" name="modifyTimestamp" type="xs:dateTime"/>

<xs:element minOccurs="1" name="resourceID" type="xs:integer"/>

<xs:element minOccurs="1" name="result" type="tns:commonResult"/>

<xs:element minOccurs="1" name="status" type="tns:resourceStatus"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="list">

<xs:sequence>

<xs:element minOccurs="0" name="resourceType" type="xs:string"/>

<xs:element minOccurs="0" name="status" type="tns:resourceStatus"/>

<xs:element minOccurs="0" name="pageNo" type="xs:integer"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="listResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:detail"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="update">

<xs:sequence>

<xs:element maxOccurs="5" minOccurs="1" name="updates" type="tns:updateRequest"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="updateRequest">

<xs:sequence>

<xs:element minOccurs="1" name="content" type="xs:base64Binary"/>

<xs:element minOccurs="1" name="resourceID" type="xs:integer"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="updateResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:resourceResult"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="download">

<xs:sequence>

<xs:element maxOccurs="5" minOccurs="1" name="resourceIDs" type="xs:integer"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="downloadResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:downloadResult"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="downloadResult">

<xs:sequence>

<xs:element minOccurs="1" name="auditID" type="tns:audit"/>

<xs:element maxOccurs="5" minOccurs="0" name="data" type="tns:downloadData"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="downloadData">

<xs:sequence>

<xs:element minOccurs="1" name="content" type="xs:base64Binary"/>

<xs:element minOccurs="1" name="resourceID" type="xs:integer"/>

<xs:element minOccurs="1" name="resourceType" type="xs:string"/>

<xs:element minOccurs="1" name="description" type="xs:string"/>

<xs:element minOccurs="1" name="result" type="tns:commonResult"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="submit">

<xs:sequence>

<xs:element maxOccurs="100" minOccurs="1" name="resourceIDs" type="xs:integer"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="submitResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:resourceResult"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="delete">

<xs:sequence>

<xs:element maxOccurs="100" minOccurs="1" name="resourceIDs" type="xs:integer"/>

</xs:sequence>

</xs:complexType>

<xs:complexType name="deleteResponse">

<xs:sequence>

<xs:element minOccurs="1" name="return" type="tns:resourceResult"/>

</xs:sequence>

</xs:complexType>

<xs:simpleType name="resourceStatus">

<xs:restriction base="xs:string">

<xs:enumeration value="UPLOADED"/>

<xs:enumeration value="SUBMITTED"/>

<xs:enumeration value="WIP"/>

<xs:enumeration value="DOWNLOADABLE"/>

<xs:enumeration value="DELETED"/>

<xs:enumeration value="APPROVED"/>

<xs:enumeration value="DENIED"/>

</xs:restriction>

</xs:simpleType>

<xs:simpleType name="resourceAccess">

<xs:restriction base="xs:string">

<xs:enumeration value="UPLOAD"/>

<xs:enumeration value="DOWNLOAD"/>

<xs:enumeration value="BOTH"/>

</xs:restriction>

</xs:simpleType>

</xs:schema>