

# CERS Schema Change Log Summary

## Release 1.06 → Release 1.07

*Prepared by Andre Kristian      November 20, 2015*  
*Revised by John Miller          February 18, 2016*  
*Revised by John Miller          May 9, 2016*

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This technical document summarizes changes in the CERS EDT XML Schemas since the previous 1.06 Release on June 14, 2013. This release implements changes to the Regulator Facility Submittal and Regulator Facility Submittal Query schemas to address submittal issues identified by the CERS EDT user community.

As of November 20, 2015, all CERS EDT environments are able to accept the 1.07 and 1.06 versions of the RegulatorFacilitySubmittal.xsd. As of May 13, 2016, all EDT implementers must make the necessary changes to accept the 1.07 version of RegulatorFacilitySubmittalQuery.xsd schema. All other previously released schemas with 1.05 and 1.06 namespaces remain unchanged.

All public information about CERS EDT is posted at <http://cers.calepa.ca.gov/EDT/>. Technical questions about EDT can be referred to Jennifer Benson ([jennifer.benson@calepa.ca.gov](mailto:jennifer.benson@calepa.ca.gov)) or John Miller ([john.miller@calepa.ca.gov](mailto:john.miller@calepa.ca.gov)).

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## RegulatorFacilitySubmittal.xsd

The changes below were made to this schema to resolve submittal issues caused by data type constraints on affected data elements. The data type constraints prevented users from entering values that were previously deemed invalid, but have since been deemed valid by Unified Program staff.

### Date Simple Type

The Date simple type range was changed to accommodate entry prior 1/1/1985 and after 12/31/2024. It is now allow the range from 1/1/1880 to 12/31/2099. Affects all elements that are of type "Date".

### DateTime Simple Type

The DateTime simple type range was changed to accommodate entry prior 1/1/1985 and after 12/31/2024. It is now allow the range from 1/1/1880 to 12/31/2099. Affects all elements that are of type "DateTime".

### NumberOfTanks XML Element

This element was typed with xs:positiveInteger which would not allow a value of zero. The type is now xs:nonNegativeInteger to allow a value of zero.

### NumberOfContainers XML Element

This element was typed with xs:positiveInteger which would not allow a value of zero. The type is now xs:nonNegativeInteger to allow a value of zero.

Version 1.06	Version 1.07
<pre>&lt;xs:simpleType name="Date"&gt;   &lt;xs:restriction base="xs:date"&gt;     &lt;xs:minInclusive value="1985-01-01"/&gt;     &lt;xs:maxInclusive value="2024-12-31"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>	<pre>&lt;xs:simpleType name="Date"&gt;   &lt;xs:restriction base="xs:date"&gt;     &lt;xs:minInclusive value="1880-01-01"/&gt;     &lt;xs:maxInclusive value="2099-12-31"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>
<pre>&lt;xs:simpleType name="DateTime"&gt;   &lt;xs:restriction base="xs:dateTime"&gt;     &lt;xs:minInclusive value="1985-01-01T00:00:00Z"/&gt;     &lt;xs:maxInclusive value="2024-12-31T23:59:59Z"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>	<pre>&lt;xs:simpleType name="DateTime"&gt;   &lt;xs:restriction base="xs:dateTime"&gt;     &lt;xs:minInclusive value="1880-01-01T00:00:00Z"/&gt;     &lt;xs:maxInclusive value="2099-12-31T23:59:59Z"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>
<pre>&lt;xs:element name="NumberOfContainers"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;609&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:positiveInteger"&gt;       &lt;xs:totalDigits value="2"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>	<pre>&lt;xs:element name="NumberOfContainers"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;609&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:nonNegativeInteger"&gt;       &lt;xs:totalDigits value="2"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>

```

<xs:element name="NumberOfTanks">
  <xs:annotation>
    <xs:documentation>608</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:positiveInteger">
      <xs:totalDigits value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

```

<xs:element name="NumberOfTanks">
  <xs:annotation>
    <xs:documentation>608</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:nonNegativeInteger">
      <xs:totalDigits value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

## RegulatorFacilitySubmittalQuery.xsd

The changes below were made to this schema to update the data types for affected data elements to allow values that were previously deemed invalid, but have since been deemed valid by Unified Program staff.

### Date Simple Type

The Date simple type range was changed to accommodate entry prior 1/1/1985 and after 12/31/2024. It is now allow the range from 1/1/1880 to 12/31/2099. Affects all elements that are of type "Date".

### DateTime Simple Type

The DateTime simple type range was changed to accommodate entry prior 1/1/1985 and after 12/31/2024. It is now allow the range from 1/1/1880 to 12/31/2099. Affects all elements that are of type "DateTime".

### NumberOfTanks XML Element

This element was typed with xs:int which allows a negative value. The type is now xs:nonNegativeInteger which will allow a value of zero and but not allow a negative value.

### NumberOfContainers XML Element

This element was typed with xs:int which allow negative value. The type is now xs:nonNegativeInteger which will allow a value of zero and but not allow a negative value.

Version 1.06	Version 1.07
<pre> &lt;xs:simpleType name="Date"&gt;   &lt;xs:restriction base="xs:date"&gt;     &lt;xs:minInclusive value="1880-01-01"/&gt;     &lt;xs:maxInclusive value="2024-12-31"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	<pre> &lt;xs:simpleType name="Date"&gt;   &lt;xs:restriction base="xs:date"&gt;     &lt;xs:minInclusive value="1880-01-01"/&gt;     &lt;xs:maxInclusive value="2099-12-31"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>
<pre> &lt;xs:simpleType name="DateTime"&gt;   &lt;xs:restriction base="xs:dateTime"&gt;     &lt;xs:minInclusive value="1985-01-01T00:00:00Z"/&gt;     &lt;xs:maxInclusive value="2024-12-31T23:59:59Z"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	<pre> &lt;xs:simpleType name="DateTime"&gt;   &lt;xs:restriction base="xs:dateTime"&gt;     &lt;xs:minInclusive value="1880-01-01T00:00:00Z"/&gt;     &lt;xs:maxInclusive value="2099-12-31T23:59:59Z"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>

```
<xs:element name="NumberOfTanks" nillable="false" minOccurs="0">
  <xs:annotation>
    <xs:documentation>608</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:totalDigits value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="NumberOfTanks" nillable="false" minOccurs="0">
  <xs:annotation>
    <xs:documentation>608</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:nonNegativeInteger">
      <xs:totalDigits value="2"/>
    </xs:restriction>
  </xs:simpleType>
```

```
<xs:element name="NumberOfContainers" nillable="false" minOccurs="0">
  <xs:annotation>
    <xs:documentation>609</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:totalDigits value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="NumberOfContainers" nillable="false" minOccurs="0">
  <xs:annotation>
    <xs:documentation>609</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:nonNegativeInteger">
      <xs:totalDigits value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```