

Changes found in the August 2021 DR Hub XSD release are shown below.

Note: All users should (at a minimum) be at the April 2021 release level by August 31, 2021. Items included in this release will not be available to implementations using a prior release.

Prior to updating or replacing any XSD, backup existing versions of the current XSD and any in-house changes you've made prior to this release.

It is advisable to perform a file comparison between the XSD you are using today and the XSD you are migrating to.

Please verify all changes prior to implementation.

The August 2021 XSD changes are as follows:

Changes to Existing types are shown in **green**. Applicable Type Names are shown in **red**.

```
<xs:complexType name="settlementInfoType">
  <xs:sequence>
    <xs:element name="id" type="xs:long" minOccurs="0"/>
    <xs:element name="eventHour" type="xs:int"/>
    <xs:element name="GMTHour" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="reductionHour" type="xs:boolean"/>
    <xs:element name="marketType" type="xs:string" minOccurs="0"/>
    <xs:element name="baseline" type="xs:decimal" minOccurs="0"/>
    <xs:element name="load" type="xs:decimal" minOccurs="0"/>
    <xs:element name="reduction" type="xs:decimal" minOccurs="0"/>
    <xs:element name="lossFactor" type="xs:decimal"/>
    <xs:element name="scheduled" type="xs:decimal" minOccurs="0"/>
    <xs:element name="dispatched" type="xs:decimal" minOccurs="0"/>
    <xs:element name="supply" type="xs:decimal" minOccurs="0"/>
    <xs:element name="delivery" type="xs:decimal" minOccurs="0"/>
    <xs:element name="fuelCost" type="xs:decimal" minOccurs="0"/>
    <xs:element name="variableOM" type="xs:decimal" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

<xs:complexType name="settlementTotalInfoType">
  <xs:sequence>
    <xs:element name="totalScheduled" type="xs:double" minOccurs="0"/>
    <xs:element name="totalDispatched" type="xs:double" minOccurs="0"/>
    <xs:element name="totalLoad" type="xs:double" minOccurs="0"/>
    <xs:element name="totalCbl" type="xs:double" minOccurs="0"/>
    <xs:element name="totalReduction" type="xs:double" minOccurs="0"/>
    <xs:element name="averageLoss" type="xs:double" minOccurs="0"/>
    <xs:element name="averageSupply" type="xs:double" minOccurs="0"/>
    <xs:element name="averageDelivery" type="xs:double" minOccurs="0"/>
    <xs:element name="averageFuelCost" type="xs:double" minOccurs="0"/>
    <xs:element name="averageVariableOM" type="xs:double" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

```

<xs:complexType name="registration">
  <xs:sequence>
    <xs:element name="id" type="xs:long" minOccurs="0"/>
    <xs:element name="summaryInfo" type="tns:registrationSummaryType"
minOccurs="0"/>
    <xs:element name="locationSummaryInfo"
type="tns:registrationLocationSummaryType" minOccurs="0"/>
    <xs:element name="locationInfo" type="tns:registrationLocationType"
nillable="true" minOccurs="0" maxOccurs="unbounded"/>
    <xs:element name="generatorCostInfo" type="tns:generatorCostType"
minOccurs="0"/>
    <xs:element name="energyInfo" type="tns:registrationEnergyType"
minOccurs="0"/>
    <xs:element name="priceResponsiveDemandInfo"
type="tns:priceResponsiveDemandType" minOccurs="0"/>
    <xs:element name="capacityInfo" type="tns:registrationCapacityType"
minOccurs="0"/>
    <xs:element name="cblMethodInfo" type="tns:cblMethodType"
minOccurs="0"/>
    <xs:element name="regCblParameters" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="weatherStationName" type="xs:string"
minOccurs="0"/>
          <xs:element name="regCblParameter" nillable="true" minOccurs="0"
maxOccurs="unbounded">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="setpoint" type="xs:long" minOccurs="0"/>
                <xs:element name="factor" type="xs:decimal" minOccurs="0"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="otherInfo" type="tns:registrationOtherType"
minOccurs="0"/>
    <xs:element name="comments" nillable="true" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

The generatorCostType is a **NEW** Type

```

<xs:complexType name="generatorCostType">
  <xs:sequence>
    <xs:element name="retailRateType" type="tns:retailRateTypeEnum"
minOccurs="0"/>
    <xs:element name="delivery" type="xs:double" minOccurs="0"/>
    <xs:element name="supply" type="xs:double" minOccurs="0"/>
    <xs:element name="fuelCost" type="xs:double" minOccurs="0"/>
    <xs:element name="variableOM" type="xs:double" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>

```

The elements listed below have been added to the  
<xs:simpleType name="registrationFieldEnum">

```
<xs:enumeration value="DELIVERY"/>
<xs:enumeration value="FUEL_COST"/>
<xs:enumeration value="HAS_BATTERY_GENERATOR"/>
<xs:enumeration value="RETAIL_RATE_TYPE"/>
<xs:enumeration value="SUPPLY"/>
<xs:enumeration value="VARIABLE"/>
```

The retailRateTypeEnum is a **NEW** Type

```
<xs:simpleType name="retailRateTypeEnum">
  <xs:restriction base="xs:string">
    <xs:enumeration value="DAY_AHEAD_LMP"/>
    <xs:enumeration value="FIXED_PRICE"/>
    <xs:enumeration value="REAL_TIME_LMP"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
</xs:simpleType>
```

**End of Change List**