Araxis Merge File Comparison Report

Produced by **Araxis Merge** on **2021-05-26 15:06:51 W. Europe Summer Time**. See www.araxis.com for information about Merge. This report uses XHTML and CSS2, and is best viewed with a modern standards-compliant browser. For optimum results when printing this report, use landscape orientation and enable printing of background images and colours in your browser.

1. Files compared

#	Location	File	Last Modified
1	C:\Source\AB Guide	AtlaBase.CommonExportFormat_2.4.2.xsd	Wed Sep 2 15:12:34 2020 UTC
2	C:\Source\AB Guide	AtlaBase.CommonExportFormat_2.5.3.xsd	Tue May 11 08:02:44 2021 UTC

2. Comparison summary

Description	Between Files 1 and 2	
	Text Blocks	Lines
Unchanged	19	2626
Changed	4	14
Inserted	13	131
Removed	1	8

3. Comparison options

Whitespace	All differences in whitespace within lines are ignored
Character case	Differences in character case are significant
Line endings	Differences in line endings (CR and LF characters) are ignored
CR/LF characters	Not shown in the comparison detail
Active line-pairing rules	

4. Active regular expressions

No regular expressions were active.

5. Comparison detail

```
 1  <xs:schema                                                          1  <xs:schema
 2    targetNamespace="http://www.atlabase.com/schemas/CommonExportFormat_2.4.2"   2    targetNamespace="http://www.atlabase.com/schemas/CommonExportFormat_2.5.3"
 3    xmlns:xs="http://www.w3.org/2001/XMLSchema"                       3    xmlns:xs="http://www.w3.org/2001/XMLSchema"
 4    xmlns:cef="http://www.atlabase.com/schemas/CommonExportFormat_2.4.2"   4    xmlns:cef="http://www.atlabase.com/schemas/CommonExportFormat_2.5.3"
 5    elementFormDefault="qualified">                                   5    elementFormDefault="qualified">
 6                                                                      6
 7    <!-- Document root -->                                            7    <!-- Document root -->
 8    <xs:element name="AtlaBase.CommonExportFormat">                   8    <xs:element name="AtlaBase.CommonExportFormat">
 9      <xs:complexType>                                                9      <xs:complexType>
10        <xs:choice minOccurs="1" maxOccurs="unbounded">             10        <xs:choice minOccurs="1" maxOccurs="unbounded">
11          <xs:element name="Brand" type="cef:tBrand"/>              11          <xs:element name="Brand" type="cef:tBrand"/>
12          <xs:element name="Filter" type="cef:tFilter"/>            12          <xs:element name="Filter" type="cef:tFilter"/>
13          <xs:element name="Gobo" type="cef:tGobo"/>                13          <xs:element name="Gobo" type="cef:tGobo"/>
14          <xs:element name="Fixture" type="cef:tFixture"/>          14          <xs:element name="Fixture" type="cef:tFixture"/>
15          <xs:element name="MediaServer" type="cef:tMediaServer"/>  15          <xs:element name="MediaServer" type="cef:tMediaServer"/>
16          <xs:element name="Symbol" type="cef:tSymbol"/>            16          <xs:element name="Symbol" type="cef:tSymbol"/>
17        </xs:choice>                                                17        </xs:choice>
18      </xs:complexType>                                             18      </xs:complexType>
19    </xs:element>                                                   19    </xs:element>
20                                                                     20
21    <!-- Brand -->                                                  21    <!-- Brand -->
22    <xs:complexType name="tBrand">                                  22    <xs:complexType name="tBrand">
23      <xs:sequence>                                                 23      <xs:sequence>
24        <xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />   24        <xs:element name="Name" type="xs:string" minOccurs="1" maxOccurs="1" />
25      </xs:sequence>                                                25      </xs:sequence>
26      <xs:attribute name="Identifier" type="xs:string" use="required"/>   26      <xs:attribute name="Identifier" type="xs:string" use="required"/>
27    </xs:complexType>                                               27    </xs:complexType>
28                                                                     28
29    <!-- Filter -->                                                 29    <!-- Filter -->
```

```xml
30      <xs:complexType name="tFilter">
31        <xs:sequence>
32          <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
33          <xs:element name="HorizontalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
34          <xs:element name="VerticalFrost" type="xs:float" minOccurs="1" maxOccurs="1" />
35        </xs:sequence>
36        <xs:attribute name="Identifier" type="xs:string" use="required"/>
37        <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
38        <xs:attribute name="VersionDate" type="xs:date" use="required"/>
39        <xs:attribute name="Brand" type="xs:string" use="required"/>
40        <xs:attribute name="Code" type="xs:string" use="optional"/>
41        <xs:attribute name="Name" type="xs:string" use="optional"/>
42        <xs:attribute name="PartNo" type="xs:string" use="optional"/>
43        <xs:attribute name="Origin" type="xs:string" use="optional"/>
44      </xs:complexType>
45
46      <xs:complexType name="tFilterColor">
47        <xs:sequence>
48          <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
49            <xs:complexType>
50              <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
51              <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
52              <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
53            </xs:complexType>
54          </xs:element>
55          <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
56            <xs:complexType>
57              <xs:attribute name="x" type="xs:float" use="required" />
58              <xs:attribute name="y" type="xs:float" use="required" />
59              <xs:attribute name="Y" type="xs:float" use="required" />
60              <xs:attribute name="K" type="xs:unsignedShort" use="required" />
61            </xs:complexType>
62          </xs:element>
63        </xs:sequence>
64      </xs:complexType>
65
66      <!-- Gobo -->
67      <xs:complexType name="tGobo">
68        <xs:sequence>
69          <xs:element name="Type" type="cef:tGoboType" minOccurs="1" maxOccurs="1" />
70          <xs:element name="Tags" type="xs:string" minOccurs="0" maxOccurs="1" />
71          <xs:element name="ReplacementGobo" minOccurs="0" maxOccurs="unbounded">
72            <xs:complexType>
73              <xs:attribute name="Identifier" type="xs:string" use="required"/>
74              <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
75            </xs:complexType>
76          </xs:element>
77        </xs:sequence>
78        <xs:attribute name="Identifier" type="xs:string" use="required"/>
79        <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
80        <xs:attribute name="VersionDate" type="xs:date" use="required"/>
81        <xs:attribute name="Brand" type="xs:string" use="required"/>
82        <xs:attribute name="Code" type="xs:string" use="optional"/>
83        <xs:attribute name="Name" type="xs:string" use="optional"/>
84        <xs:attribute name="PartNo" type="xs:string" use="optional"/>
85        <xs:attribute name="Origin" type="xs:string" use="optional"/>
86      </xs:complexType>
87
88      <!-- Fixture-->
89      <xs:complexType name="tFixture">
90        <xs:sequence>
91          <xs:element name="Class" type="xs:string" minOccurs="1" maxOccurs="1"/>
92          <xs:element name="Category" type="xs:string" minOccurs="1" maxOccurs="1"/>
93          <xs:element name="SymbolIdentifier" type="xs:string" minOccurs="0" maxOccurs="1"/>
94          <xs:element name="RDM" minOccurs="0" maxOccurs="1">
95            <xs:complexType>
96              <xs:sequence>
97                <xs:element name="ManufacturerId" minOccurs="1" maxOccurs="1">
98                  <xs:simpleType>
99                    <xs:restriction base="xs:unsignedShort">
100                      <xs:minInclusive value="1"/>
101                      <xs:maxInclusive value="32767"/>
102                    </xs:restriction>
103                  </xs:simpleType>
```

Left column:

```
104              </xs:element>
105              <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs="1" maxOccurs="1"/>
106            </xs:sequence>
107          </xs:complexType>
108        </xs:element>
109        <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
110        <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
111        <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="1" />
112        <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
113          <xs:complexType>
114            <xs:sequence>
115              <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
116              <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
117              <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
118              <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
119            </xs:sequence>
120          </xs:complexType>
121        </xs:element>
122        <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
123          <xs:simpleType>
124            <xs:restriction base="xs:string">
125              <xs:enumeration value="None" />
126              <xs:enumeration value="OrthogonalSinglePointShutters" />
127              <xs:enumeration value="OrthogonalTwoPointShutters" />
128              <xs:enumeration value="PerimetralSinglePointShutters" />
129              <xs:enumeration value="ExternalBarndoors" />
130              <xs:enumeration value="InternalBarndoors" />
131            </xs:restriction>
132          </xs:simpleType>
133        </xs:element>
134        <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
135          <xs:complexType>
136            <xs:sequence>
137              <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="1" />
138              <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1" />
139              <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOccurs="1" />
140              <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs="1" />
141            </xs:sequence>
142            <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
143            <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
144          </xs:complexType>
145        </xs:element>
146        <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
147          <xs:complexType>
148            <xs:sequence>
149              <xs:element name="Host" minOccurs="0" maxOccurs="1">
150                <xs:complexType>
151                  <xs:attribute name="PartName" type="xs:string" use="required" />
152                  <xs:attribute name="AxisName" type="cef:tFixtureAxisName" use="required" />
153                  <xs:attribute name="AxisIndex" type="xs:unsignedByte" use="required" />
154                </xs:complexType>
155              </xs:element>
```

Right column:

```
104              </xs:element>
105              <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs="1" maxOccurs="1"/>
106            </xs:sequence>
107          </xs:complexType>
108        </xs:element>
109        <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
110        <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
111        <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="1" />
112        <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
113          <xs:complexType>
114            <xs:sequence>
115              <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
116              <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
117              <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
118              <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
119            </xs:sequence>
120          </xs:complexType>
121        </xs:element>
122        <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
123          <xs:simpleType>
124            <xs:restriction base="xs:string">
125              <xs:enumeration value="None" />
126              <xs:enumeration value="OrthogonalSinglePointShutters" />
127              <xs:enumeration value="OrthogonalTwoPointShutters" />
128              <xs:enumeration value="PerimetralSinglePointShutters" />
129              <xs:enumeration value="ExternalBarndoors" />
130              <xs:enumeration value="InternalBarndoors" />
131            </xs:restriction>
132          </xs:simpleType>
133        </xs:element>
134        <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
135          <xs:complexType>
136            <xs:sequence>
137              <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="1" />
138              <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1" />
139              <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOccurs="1" />
140              <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs="1" />
141            </xs:sequence>
142            <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
143            <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
144          </xs:complexType>
145        </xs:element>
146        <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
147          <xs:complexType>
148            <xs:sequence>
149              <xs:element name="Host" minOccurs="0" maxOccurs="1">
150                <xs:complexType>
151                  <xs:attribute name="PartName" type="xs:string" use="required" />
152                  <xs:attribute name="AxisName" type="cef:tFixtureAxisName" use="required" />
153                  <xs:attribute name="AxisIndex" type="xs:unsignedByte" use="required" />
154                </xs:complexType>
155              </xs:element>
156              <xs:element name="Model" minOccurs="0" maxOccurs="1">
157                <xs:complexType>
158                  <xs:sequence>
159                    <xs:element name="Shape" minOccurs="1" maxOccurs="1">
160                      <xs:simpleType>
161                        <xs:restriction base="xs:string">
162                          <xs:enumeration value="Box" />
163                          <xs:enumeration value="Tube" />
164                          <xs:enumeration value="Sphere" />
165                          <xs:enumeration value="PAR" />
166                          <xs:enumeration value="TubeWithBox" />
167                          <xs:enumeration value="ConeWithTube" />
168                          <xs:enumeration value="SymmetricEgg" />
169                          <xs:enumeration value="FlatBottomEgg" />
170                          <xs:enumeration value="FlatBottomTubeEgg" />
171                          <xs:enumeration value="Scanner" />
172                          <xs:enumeration value="YokeBase" />
173                          <xs:enumeration value="YokeArm" />
174                          <xs:enumeration value="FrontmountBox" />
175                          <xs:enumeration value="FrontmountTube" />
176                          <xs:enumeration value="FrontmountScanner" />
177                        </xs:restriction>
```

```
156         </xs:sequence>
157         <xs:attribute name="Name" type="xs:string" use="required" />
158       </xs:complexType>
159     </xs:element>
160     <xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">
161       <xs:complexType>
162         <xs:sequence>
163           <xs:element name="Host" minOccurs="0" maxOccurs="1">
164             <xs:complexType>
165               <xs:attribute name="PartName" type="xs:string" use="required" />
166             </xs:complexType>
167           </xs:element>
168           <xs:element name="Kind" minOccurs="1" maxOccurs="1">
169             <xs:simpleType>
170               <xs:restriction base="xs:string">
171                 <xs:enumeration value="Decoration" />
172                 <xs:enumeration value="Light" />
173                 <xs:enumeration value="VideoProjector" />
174                 <xs:enumeration value="VideoPanel" />
175                 <xs:enumeration value="Laser" />
176               </xs:restriction>
177             </xs:simpleType>
178           </xs:element>
179           <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
180             <xs:complexType>
181               <xs:attribute name="Horizontal" type="xs:unsignedShort" use="required" />
182               <xs:attribute name="Vertical" type="xs:unsignedShort" use="required" />
183             </xs:complexType>
184           </xs:element>
185           <xs:element name="Colours" minOccurs="0" maxOccurs="1">
186             <xs:complexType>
187               <xs:sequence>
188                 <xs:element name="White" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
189                 <xs:element name="Red" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
190                 <xs:element name="Green" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
```

```
178           </xs:simpleType>
179         </xs:element>
180         <xs:element name="Width" type="xs:float" minOccurs="1" maxOccurs="1" />
181         <xs:element name="Height" type="xs:float" minOccurs="1" maxOccurs="1" />
182         <xs:element name="Length" type="xs:float" minOccurs="1" maxOccurs="1" />
183         <xs:element name="Aperture" type="xs:float" minOccurs="1" maxOccurs="1" />
184       </xs:sequence>
185     </xs:complexType>
186   </xs:element>
187         </xs:sequence>
188         <xs:attribute name="Name" type="xs:string" use="required" />
189       </xs:complexType>
190     </xs:element>
191     <xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">
192       <xs:complexType>
193         <xs:sequence>
194           <xs:element name="Host" minOccurs="0" maxOccurs="1">
195             <xs:complexType>
196               <xs:attribute name="PartName" type="xs:string" use="required" />
197             </xs:complexType>
198           </xs:element>
199           <xs:element name="Location" minOccurs="0" maxOccurs="1">
200             <xs:complexType>
201               <xs:sequence>
202                 <xs:element name="Center" minOccurs="1" maxOccurs="1">
203                   <xs:complexType>
204                     <xs:attribute name="X" type="xs:float" use="required" />
205                     <xs:attribute name="Y" type="xs:float" use="required" />
206                     <xs:attribute name="Z" type="xs:float" use="required" />
207                   </xs:complexType>
208                 </xs:element>
209                 <xs:element name="Direction" minOccurs="1" maxOccurs="1">
210                   <xs:complexType>
211                     <xs:attribute name="X" type="xs:float" use="required" />
212                     <xs:attribute name="Y" type="xs:float" use="required" />
213                     <xs:attribute name="Z" type="xs:float" use="required" />
214                   </xs:complexType>
215                 </xs:element>
216                 <xs:element name="Normal" minOccurs="1" maxOccurs="1">
217                   <xs:complexType>
218                     <xs:attribute name="X" type="xs:float" use="required" />
219                     <xs:attribute name="Y" type="xs:float" use="required" />
220                     <xs:attribute name="Z" type="xs:float" use="required" />
221                   </xs:complexType>
222                 </xs:element>
223               </xs:sequence>
224             </xs:complexType>
225           </xs:element>
226           <xs:element name="Kind" minOccurs="1" maxOccurs="1">
227             <xs:simpleType>
228               <xs:restriction base="xs:string">
229                 <xs:enumeration value="Decoration" />
230                 <xs:enumeration value="Light" />
231                 <xs:enumeration value="VideoProjector" />
232                 <xs:enumeration value="VideoPanel" />
233                 <xs:enumeration value="Laser" />
234               </xs:restriction>
235             </xs:simpleType>
236           </xs:element>
237           <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
238             <xs:complexType>
239               <xs:attribute name="Horizontal" type="xs:unsignedShort" use="required" />
240               <xs:attribute name="Vertical" type="xs:unsignedShort" use="required" />
241             </xs:complexType>
242           </xs:element>
243           <xs:element name="Colours" minOccurs="0" maxOccurs="1">
244             <xs:complexType>
245               <xs:sequence>
246                 <xs:element name="White" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
247                 <xs:element name="Red" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
248                 <xs:element name="Green" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
```

```
191          <xs:element name="Blue" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
192          <xs:element name="Auxiliary1" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
193          <xs:element name="Auxiliary2" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
194          <xs:element name="Auxiliary3" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
195          <xs:element name="Auxiliary4" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
196          <xs:element name="Auxiliary5" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
197        </xs:sequence>
198      </xs:complexType>
199    </xs:element>
200    <xs:element name="Optics" minOccurs="0" maxOccurs="unbounded">
201      <xs:complexType>
202        <xs:sequence>
203          <xs:element name="Wattage" type="xs:float" minOccurs="1" maxOccurs="1"/>
204          <xs:element name="Narrow" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0" maxOccurs="1" />
205          <xs:element name="Wide" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0" maxOccurs="1" />
206        </xs:sequence>
207        <xs:attribute name="Identifier" type="xs:string" use="required"/>
208        <xs:attribute name="Name" type="xs:string" use="required"/>
209      </xs:complexType>
210    </xs:element>
211    <xs:element name="ApertureType" minOccurs="1" maxOccurs="1">
212      <xs:simpleType>
213        <xs:restriction base="xs:string">
214          <xs:enumeration value="RoundProfile" />
215          <xs:enumeration value="SquareSharp" />
216          <xs:enumeration value="RoundPC" />
217          <xs:enumeration value="RoundFresnel" />
218          <xs:enumeration value="RoundPAR" />
219          <xs:enumeration value="SquareSymmetric" />
220          <xs:enumeration value="SquareAssymetric" />
221          <xs:enumeration value="RoundLambertian" />
222          <xs:enumeration value="SquareLambertian" />
223          <xs:enumeration value="SquarePanel" />
224          <xs:enumeration value="DonutLambertian" />
225          <xs:enumeration value="DonutSymmetric" />
226          <xs:enumeration value="RoundBeam" />
227          <xs:enumeration value="Spherical" />
228        </xs:restriction>
229      </xs:simpleType>
230    </xs:element>
231    <xs:element name="Aperture" minOccurs="0" maxOccurs="unbounded">
232      <xs:complexType>
233        <xs:attribute name="Cell" type="xs:unsignedInt" use="required" />
234        <xs:attribute name="X" type="xs:float" use="required" />
235        <xs:attribute name="Y" type="xs:float" use="required" />
236        <xs:attribute name="Diameter" type="xs:float" use="optional" />
237        <xs:attribute name="Width" type="xs:float" use="optional" />
238        <xs:attribute name="Height" type="xs:float" use="optional" />
239        <xs:attribute name="PixelPitch" type="xs:float" use="optional" />
240        <xs:attribute name="PixelSize" type="xs:float" use="optional" />
241        <xs:attribute name="InnerDiameter" type="xs:float" use="optional" />
242        <xs:attribute name="OuterDiameter" type="xs:float" use="optional" />
243        <xs:attribute name="StartAngle" type="xs:float" use="optional" />
244        <xs:attribute name="EndAngle" type="xs:float" use="optional" />
245      </xs:complexType>
246    </xs:element>
247  </xs:sequence>
248      </xs:complexType>
249    </xs:element>
250    <xs:element name="Wheel" minOccurs="0" maxOccurs="unbounded">
251      <xs:complexType>
252        <xs:sequence>
253          <xs:element name="Type" minOccurs="1" maxOccurs="1">
254            <xs:simpleType>
255              <xs:restriction base="xs:string">
```

```
249          <xs:element name="Blue" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
250          <xs:element name="Auxiliary1" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
251          <xs:element name="Auxiliary2" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
252          <xs:element name="Auxiliary3" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
253          <xs:element name="Auxiliary4" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
254          <xs:element name="Auxiliary5" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
255        </xs:sequence>
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257    </xs:element>
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276          <xs:enumeration value="RoundPAR" />
277          <xs:enumeration value="SquareSymmetric" />
278          <xs:enumeration value="SquareAssymetric" />
279          <xs:enumeration value="RoundLambertian" />
280          <xs:enumeration value="SquareLambertian" />
281          <xs:enumeration value="SquarePanel" />
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286        </xs:restriction>
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288    </xs:element>
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299        <xs:attribute name="InnerDiameter" type="xs:float" use="optional" />
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302        <xs:attribute name="EndAngle" type="xs:float" use="optional" />
303        </xs:complexType>
304      </xs:element>
305  </xs:sequence>
306      <xs:attribute name="Name" type="xs:string" use="optional"/>
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308    </xs:element>
309    <xs:element name="Wheel" minOccurs="0" maxOccurs="unbounded">
310      <xs:complexType>
311        <xs:sequence>
312          <xs:element name="Type" minOccurs="1" maxOccurs="1">
313            <xs:simpleType>
314              <xs:restriction base="xs:string">
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257                               <xs:enumeration value="Scroller" />
258                            </xs:restriction>
259                         </xs:simpleType>
260                      </xs:element>
261                      <xs:element name="MinRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
262                      <xs:element name="MaxRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
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312                                     <xs:enumeration value="Text" />
313                                  </xs:restriction>
314                               </xs:simpleType>
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316                            <xs:attribute name="Value" type="xs:string" use="required" />
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319                      <xs:element name="ChannelLayout" minOccurs="1" maxOccurs="1">
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321                            <xs:sequence>
322                               <xs:element name="Channel" minOccurs="0" maxOccurs="512">
323                                  <xs:complexType>
324                                     <xs:choice minOccurs="0" maxOccurs="unbounded">
325                                        <!-- Additive light output -->
326                                        <xs:element name="SetLightSuperIntensityLevel" type="cef:tSimple
      CellLevelCommand" minOccurs="0" maxOccurs="unbounded" />
```

```
315                               <xs:enumeration value="Wheel" />
316                               <xs:enumeration value="Scroller" />
317                            </xs:restriction>
318                         </xs:simpleType>
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327                               <xs:element name="Open">
328                                  <xs:complexType></xs:complexType>
329                               </xs:element>
330                               <xs:element name="Filter">
331                                  <xs:complexType>
332                                     <xs:attribute name="Identifier" type="xs:string" use="required"/>
333                                     <xs:attribute name="Brand" type="xs:string" use="required"/>
334                                     <xs:attribute name="Code" type="xs:string" use="optional"/>
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338                                  </xs:complexType>
339                               </xs:element>
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347                                     <xs:attribute name="Origin" type="xs:string" use="optional"/>
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372                                  </xs:restriction>
373                               </xs:simpleType>
374                            </xs:attribute>
375                            <xs:attribute name="Value" type="xs:string" use="required" />
376                         </xs:complexType>
377                      </xs:element>
378                      <xs:element name="ChannelLayout" minOccurs="1" maxOccurs="1">
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380                            <xs:sequence>
381                               <xs:element name="Channel" minOccurs="0" maxOccurs="512">
382                                  <xs:complexType>
383                                     <xs:choice minOccurs="0" maxOccurs="unbounded">
384                                        <!-- Additive light output -->
385                                        <xs:element name="SetLightSuperIntensityLevel" type="cef:tSimpleCellLevelCom
      mand" minOccurs="0" maxOccurs="unbounded" />
```

```
327                    <xs:element name="SetLightIntensityLevel" type="cef:tSimpleCellL
         evelCommand" minOccurs="0" maxOccurs="unbounded" />


328                    <xs:element name="SetLightMode" type="cef:tSetLightModeCommand"
         minOccurs="0" maxOccurs="unbounded" />
329                    <xs:element name="SetWhiteLightLevel" type="cef:tSetCellLightWid
         eLevelCommand" minOccurs="0" maxOccurs="unbounded" />
330                    <xs:element name="SetRedLightLevel" type="cef:tSetCellLightWideL
         evelCommand" minOccurs="0" maxOccurs="unbounded" />
331                    <xs:element name="SetGreenLightLevel" type="cef:tSetCellLightWid
         eLevelCommand" minOccurs="0" maxOccurs="unbounded" />
332                    <xs:element name="SetBlueLightLevel" type="cef:tSetCellLightWide
         LevelCommand" minOccurs="0" maxOccurs="unbounded" />
333                    <xs:element name="SetAuxColor1LightLevel" type="cef:tSetCellLigh
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334                    <xs:element name="SetAuxColor2LightLevel" type="cef:tSetCellLigh
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335                    <xs:element name="SetAuxColor3LightLevel" type="cef:tSetCellLigh
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336                    <xs:element name="SetAuxColor4LightLevel" type="cef:tSetCellLigh
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337                    <xs:element name="SetAuxColor5LightLevel" type="cef:tSetCellLigh
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338                    <xs:element name="SetLightColorTemperatureLevel" type="cef:tSetC
         ellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbounded" />
339                    <xs:element name="SetLightRedLevel" type="cef:tSetCellLightLevel
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340                    <xs:element name="SetLightGreenLevel" type="cef:tSetCellLightLev
         elCommand" minOccurs="0" maxOccurs="unbounded" />
341                    <xs:element name="SetLightBlueLevel" type="cef:tSetCellLightLeve
         lCommand" minOccurs="0" maxOccurs="unbounded" />
342                    <xs:element name="SetLightHueLevel" type="cef:tSetCellLightLevel
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343                    <xs:element name="SetLightSaturationLevel" type="cef:tSetCellLig
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344                    <xs:element name="SetLightValueLevel" type="cef:tSetCellLightLev
         elCommand" minOccurs="0" maxOccurs="unbounded" />
345                    <xs:element name="SetLightTargetColorTemperatureLevel" type="cef
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346                    <xs:element name="SetLightTargetColorTintLevel" type="cef:tSetCe
         llLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
347                    <xs:element name="CustomLightCommand" type="cef:tCustomCommand"
         minOccurs="0" maxOccurs="unbounded" />
348                    <!-- Dousing -->
349                    <xs:element name="SetBlinderLevel" type="cef:tSimpleCellLevelCom
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350                    <xs:element name="SetShutterOpen" type="cef:tSetShutterCommand"
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351                    <xs:element name="SetShutterClosed" type="cef:tSetShutterCommand
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352                    <xs:element name="DoShutterFlash" type="cef:tSetShutterCommand"
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354                    <xs:element name="SetShutterSpeed" type="cef:tSetShutterStrobeVa
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356                    <xs:element name="SetShutterSpeedClosed" type="cef:tSetShutterSt
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357                    <xs:element name="SetShutterDuration" type="cef:tSetShutterStrob
         eDurationCommand" minOccurs="0" maxOccurs="unbounded" />
358                    <xs:element name="CustomShutterCommand" type="cef:tCustomCommand
         " minOccurs="0" maxOccurs="unbounded" />
359                    <!-- Subtractive color mix -->
360                    <xs:element name="SetCyanFlagLevel" type="cef:tSimpleLevelComman
         d" minOccurs="0" maxOccurs="unbounded" />
361                    <xs:element name="SetMagentaFlagLevel" type="cef:tSimpleLevelCom
         mand" minOccurs="0" maxOccurs="unbounded" />
362                    <xs:element name="SetYellowFlagLevel" type="cef:tSimpleLevelComm
         and" minOccurs="0" maxOccurs="unbounded" />
```

```
386                    <xs:element name="SetLightIntensityLevel" type="cef:tSimpleCellLevelCommand"
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387                    <xs:element name="SetLightColorRenderingIndex" type="cef:tSetCellLightColorR
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388                    <xs:element name="SetLightMode" type="cef:tSetLightModeCommand" minOccurs="0
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389                    <xs:element name="SetWhiteLightLevel" type="cef:tSetCellLightWideLevelComman
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390                    <xs:element name="SetRedLightLevel" type="cef:tSetCellLightWideLevelCommand"
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391                    <xs:element name="SetGreenLightLevel" type="cef:tSetCellLightWideLevelComman
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392                    <xs:element name="SetBlueLightLevel" type="cef:tSetCellLightWideLevelCommand
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393                    <xs:element name="SetAuxColor1LightLevel" type="cef:tSetCellLightWideLevelCo
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394                    <xs:element name="SetAuxColor2LightLevel" type="cef:tSetCellLightWideLevelCo
         mmand" minOccurs="0" maxOccurs="unbounded" />
395                    <xs:element name="SetAuxColor3LightLevel" type="cef:tSetCellLightWideLevelCo
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396                    <xs:element name="SetAuxColor4LightLevel" type="cef:tSetCellLightWideLevelCo
         mmand" minOccurs="0" maxOccurs="unbounded" />
397                    <xs:element name="SetAuxColor5LightLevel" type="cef:tSetCellLightWideLevelCo
         mmand" minOccurs="0" maxOccurs="unbounded" />
398                    <xs:element name="SetLightColorTemperatureLevel" type="cef:tSetCellLightColo
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400                    <xs:element name="SetLightGreenLevel" type="cef:tSetCellLightLevelCommand" m
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401                    <xs:element name="SetLightBlueLevel" type="cef:tSetCellLightLevelCommand" mi
         nOccurs="0" maxOccurs="unbounded" />
402                    <xs:element name="SetLightHueLevel" type="cef:tSetCellLightLevelCommand" min
         Occurs="0" maxOccurs="unbounded" />
403                    <xs:element name="SetLightSaturationLevel" type="cef:tSetCellLightLevelComma
         nd" minOccurs="0" maxOccurs="unbounded" />
404                    <xs:element name="SetLightValueLevel" type="cef:tSetCellLightLevelCommand" m
         inOccurs="0" maxOccurs="unbounded" />
405                    <xs:element name="SetLightTargetColorTemperatureLevel" type="cef:tSetCellLig
         htColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbounded" />
406                    <xs:element name="SetLightTargetColorTintLevel" type="cef:tSetCellLightWideL
         evelCommand" minOccurs="0" maxOccurs="unbounded" />
407                    <xs:element name="CustomLightCommand" type="cef:tCustomCommand" minOccurs="0
         " maxOccurs="unbounded" />
408                    <!-- Dousing -->
409                    <xs:element name="SetBlinderLevel" type="cef:tSimpleCellLevelCommand" minOcc
         urs="0" maxOccurs="unbounded" />
410                    <xs:element name="SetShutterOpen" type="cef:tSetShutterCommand" minOccurs="0
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411                    <xs:element name="SetShutterClosed" type="cef:tSetShutterCommand" minOccurs=
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412                    <xs:element name="DoShutterFlash" type="cef:tSetShutterCommand" minOccurs="0
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413                    <xs:element name="SetShutterStrobe" type="cef:tSetShutterStrobeCommand" minO
         ccurs="0" maxOccurs="unbounded" />
414                    <xs:element name="SetShutterSpeed" type="cef:tSetShutterStrobeVariableRateCo
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417                    <xs:element name="SetShutterDuration" type="cef:tSetShutterStrobeDurationCom
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418                    <xs:element name="CustomShutterCommand" type="cef:tCustomCommand" minOccurs=
         "0" maxOccurs="unbounded" />
419                    <!-- Subtractive color mix -->
420                    <xs:element name="SetCyanFlagLevel" type="cef:tSimpleLevelCommand" minOccurs
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421                    <xs:element name="SetMagentaFlagLevel" type="cef:tSimpleLevelCommand" minOcc
         urs="0" maxOccurs="unbounded" />
422                    <xs:element name="SetYellowFlagLevel" type="cef:tSimpleLevelCommand" minOccu
         rs="0" maxOccurs="unbounded" />
423                    <xs:element name="SetRedFlagLevel" type="cef:tSimpleLevelCommand" minOccurs=
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```

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367                         <xs:element name="SetColorFlagShutterMode" type="cef:tShutterOnOffCommand" minOccurs="0" maxOccurs="unbounded" />
368                         <xs:element name="CustomColorFlagCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
369                     <!-- Beam and projection -->
370                         <xs:element name="SetFrostLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
371                         <xs:element name="SetFrostStrobe" type="cef:tSimpleStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
372                         <xs:element name="CustomFrostCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
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378                         <xs:element name="CustomZoomCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
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381                         <xs:element name="CustomFocusCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
382                     <!-- Wheels -->
383                         <xs:element name="SetWheelMode" type="cef:tSetWheelModeCommand" minOccurs="0" maxOccurs="unbounded" />
384                         <xs:element name="SetWheelSpinDirection" type="cef:tSetWheelSpinDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
385                         <xs:element name="SetWheelPosition" type="cef:tSetWheelPositionCommand" minOccurs="0" maxOccurs="unbounded" />
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388                         <xs:element name="SetWheelDepthPosition" type="cef:tSetWheelDepthPositionCommand" minOccurs="0" maxOccurs="unbounded" />
389                         <xs:element name="SetWheelDepthStrobe" type="cef:tSetWheelDepthStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
390                         <xs:element name="SetWheelDepthOrientation" type="cef:tSetWheelDepthOrientationCommand" minOccurs="0" maxOccurs="unbounded" />
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392                         <xs:element name="SetWheelFrameSpinDirection" type="cef:tSetWheelFrameSpinDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
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394                         <xs:element name="SetWheelFrameSpeed" type="cef:tSetWheelFrameSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
395                         <xs:element name="CustomWheelCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
396                     <!-- Framing shutters -->
397                         <xs:element name="SetFramingShutterDepth" type="cef:tSetFramingShutterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
398                         <xs:element name="SetFramingShutterAngle" type="cef:tSetFramingShutterAngleCommand" minOccurs="0" maxOccurs="unbounded" />
399                         <xs:element name="SetFramingShutterADepth" type="cef:tSetFraming
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```
424                         <xs:element name="SetGreenFlagLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
425                         <xs:element name="SetBlueFlagLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
426                         <xs:element name="SetCTOFlagLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
427                         <xs:element name="SetCTBFlagLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
428                         <xs:element name="SetColorFlagSpeed" type="cef:tSimpleSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
429                         <xs:element name="SetColorFlagTime" type="cef:tSimpleTimeCommand" minOccurs="0" maxOccurs="unbounded" />
430                         <xs:element name="SetColorFlagShutterMode" type="cef:tShutterOnOffCommand" minOccurs="0" maxOccurs="unbounded" />
431                         <xs:element name="CustomColorFlagCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
432                     <!-- Beam and projection -->
433                         <xs:element name="SetFrostLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
434                         <xs:element name="SetFrostStrobe" type="cef:tSimpleStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
435                         <xs:element name="CustomFrostCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
436                         <xs:element name="SetIrisLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
437                         <xs:element name="SetIrisStrobe" type="cef:tSimpleStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
438                         <xs:element name="CustomIrisCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
439                         <xs:element name="SetZoomLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
440                         <xs:element name="SetZoomStrobe" type="cef:tSimpleStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
441                         <xs:element name="CustomZoomCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
442                         <xs:element name="SetFocusLevel" type="cef:tSimpleLevelCommand" minOccurs="0" maxOccurs="unbounded" />
443                         <xs:element name="SetFocusMode" type="cef:tSetFocusModeCommand" minOccurs="0" maxOccurs="unbounded" />
444                         <xs:element name="CustomFocusCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
445                     <!-- Wheels -->
446                         <xs:element name="SetWheelMode" type="cef:tSetWheelModeCommand" minOccurs="0" maxOccurs="unbounded" />
447                         <xs:element name="SetWheelSpinDirection" type="cef:tSetWheelSpinDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
448                         <xs:element name="SetWheelPosition" type="cef:tSetWheelPositionCommand" minOccurs="0" maxOccurs="unbounded" />
449                         <xs:element name="SetWheelSpeed" type="cef:tSetWheelSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
450                         <xs:element name="SetWheelShutterMode" type="cef:tSetWheelShutterModeCommand" minOccurs="0" maxOccurs="unbounded" />
451                         <xs:element name="SetWheelDepthPosition" type="cef:tSetWheelDepthPositionCommand" minOccurs="0" maxOccurs="unbounded" />
452                         <xs:element name="SetWheelDepthStrobe" type="cef:tSetWheelDepthStrobeCommand" minOccurs="0" maxOccurs="unbounded" />
453                         <xs:element name="SetWheelDepthOrientation" type="cef:tSetWheelDepthOrientationCommand" minOccurs="0" maxOccurs="unbounded" />
454                         <xs:element name="SetWheelFrameMode" type="cef:tSetWheelFrameModeCommand" minOccurs="0" maxOccurs="unbounded" />
455                         <xs:element name="SetWheelFrameSpinDirection" type="cef:tSetWheelFrameSpinDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
456                         <xs:element name="SetWheelFramePosition" type="cef:tSetWheelFramePositionCommand" minOccurs="0" maxOccurs="unbounded" />
457                         <xs:element name="SetWheelFrameSpeed" type="cef:tSetWheelFrameSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
458                         <xs:element name="CustomWheelCommand" type="cef:tCustomCommand" minOccurs="0" maxOccurs="unbounded" />
459                     <!-- Framing shutters -->
460                         <xs:element name="SetFramingShutterDepth" type="cef:tSetFramingShutterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
461                         <xs:element name="SetFramingShutterAngle" type="cef:tSetFramingShutterAngleCommand" minOccurs="0" maxOccurs="unbounded" />
462                         <xs:element name="SetFramingShutterADepth" type="cef:tSetFramingShutterDepth
```

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400                          <xs:element name="SetFramingShutterBDepth" type="cef:tSetFraming
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401                          <xs:element name="SetFramingShutterPackageAngle" type="cef:tSetF
       ramingShutterPackageAngleCommand" minOccurs="0" maxOccurs="unbounded" />
402                          <xs:element name="CustomFramingShuttersCommand" type="cef:tCusto
       mCommand" minOccurs="0" maxOccurs="unbounded" />
403                          <!-- Motion -->
404                          <xs:element name="SetPanMode" type="cef:tSetMotionModeCommand" m
       inOccurs="0" maxOccurs="unbounded" />
405                          <xs:element name="SetTiltMode" type="cef:tSetMotionModeCommand"
       minOccurs="0" maxOccurs="unbounded" />
406                          <xs:element name="Pan" type="cef:tMotionCommand" minOccurs="0" m
       axOccurs="unbounded" />
407                          <xs:element name="Tilt" type="cef:tMotionCommand" minOccurs="0"
       maxOccurs="unbounded" />
408                          <xs:element name="Pitch" type="cef:tMotionCommand" minOccurs="0"
        maxOccurs="unbounded" />
409                          <xs:element name="SetPanDirection" type="cef:tSetMotionDirection
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410                          <xs:element name="SetTiltDirection" type="cef:tSetMotionDirectio
       nCommand" minOccurs="0" maxOccurs="unbounded" />
411                          <xs:element name="SetPanSpeed" type="cef:tMotionSpeedCommand" mi
       nOccurs="0" maxOccurs="unbounded" />
412                          <xs:element name="SetTiltSpeed" type="cef:tMotionSpeedCommand" m
       inOccurs="0" maxOccurs="unbounded" />
413                          <xs:element name="SetVectorPosition" type="cef:tSetVectorPositio
       nCommand" minOccurs="0" maxOccurs="unbounded" />
414                          <xs:element name="SetMotionSpeed" type="cef:tMotionSpeedCommand"
        minOccurs="0" maxOccurs="unbounded" />
415                          <xs:element name="SetMotionTime" type="cef:tMotionTimeCommand" m
       inOccurs="0" maxOccurs="unbounded" />
416                          <xs:element name="SetMotionShutterMode" type="cef:tShutterOnOffC
       ommand" minOccurs="0" maxOccurs="unbounded" />
417                          <xs:element name="CustomMotionCommand" type="cef:tCustomCommand"
        minOccurs="0" maxOccurs="unbounded" />
418                          <!-- Specials -->
419                          <xs:element name="SetLampOn" type="cef:tSimpleCommand" minOccurs
       ="0" maxOccurs="unbounded" />
420                          <xs:element name="SetLampOff" type="cef:tSimpleCommand" minOccur
       s="0" maxOccurs="unbounded" />
421                          <xs:element name="SetLampMode" type="cef:tSetLampModeCommand" mi
       nOccurs="0" maxOccurs="unbounded" />
422                          <xs:element name="CustomLampCommand" type="cef:tCustomCommand" m
       inOccurs="0" maxOccurs="unbounded" />
423                          <xs:element name="SetLaserOn" type="cef:tSimpleCommand" minOccur
       s="0" maxOccurs="unbounded" />
424                          <xs:element name="SetLaserOff" type="cef:tSimpleCommand" minOccu
       rs="0" maxOccurs="unbounded" />
425                          <xs:element name="SetLaserStrobe" type="cef:tSetLaserStrobeComma
       nd" minOccurs="0" maxOccurs="unbounded" />
426                          <xs:element name="SetFanMode" type="cef:tSetFanModeCommand" minO
       ccurs="0" maxOccurs="unbounded" />
427                          <xs:element name="CustomFanCommand" type="cef:tCustomCommand" mi
       nOccurs="0" maxOccurs="unbounded" />
428                          <xs:element name="Reset" type="cef:tResetCommand" minOccurs="0"
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429                          <xs:element name="NoFunction" type="cef:tSimpleCommand" minOccur
       s="0" maxOccurs="unbounded" />
430                          <xs:element name="Reserved" type="cef:tSimpleCommand" minOccurs=
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431                          <xs:element name="CustomCommand" type="cef:tTextCommand"
       minOccurs="0" maxOccurs="unbounded" />
432                          <xs:element name="Preset" type="cef:tPresetCommand" minOccurs="0"
        maxOccurs="unbounded" />


433                          <xs:element name="Macro" type="cef:tTextCommand" minOccurs="0" m
       axOccurs="unbounded" />
434                      </xs:choice>
435                  <xs:attribute name="Type" use="required">
436                      <xs:simpleType>
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```
       Command" minOccurs="0" maxOccurs="unbounded" />
463                          <xs:element name="SetFramingShutterBDepth" type="cef:tSetFramingShutterDepth
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464                          <xs:element name="SetFramingShutterPackageAngle" type="cef:tSetFramingShutte
       rPackageAngleCommand" minOccurs="0" maxOccurs="unbounded" />
465                          <xs:element name="CustomFramingShuttersCommand" type="cef:tCustomCommand" mi
       nOccurs="0" maxOccurs="unbounded" />
466                          <!-- Motion -->
467                          <xs:element name="SetPanMode" type="cef:tSetMotionModeCommand" minOccurs="0"
        maxOccurs="unbounded" />
468                          <xs:element name="SetTiltMode" type="cef:tSetMotionModeCommand" minOccurs="0
       " maxOccurs="unbounded" />
469                          <xs:element name="Pan" type="cef:tMotionCommand" minOccurs="0" maxOccurs="un
       bounded" />
470                          <xs:element name="Tilt" type="cef:tMotionCommand" minOccurs="0" maxOccurs="u
       nbounded" />
471                          <xs:element name="Pitch" type="cef:tMotionCommand" minOccurs="0" maxOccurs="
       unbounded" />
472                          <xs:element name="SetPanDirection" type="cef:tSetMotionDirectionCommand" min
       Occurs="0" maxOccurs="unbounded" />
473                          <xs:element name="SetTiltDirection" type="cef:tSetMotionDirectionCommand" mi
       nOccurs="0" maxOccurs="unbounded" />
474                          <xs:element name="SetPanSpeed" type="cef:tMotionSpeedCommand" minOccurs="0"
       maxOccurs="unbounded" />
475                          <xs:element name="SetTiltSpeed" type="cef:tMotionSpeedCommand" minOccurs="0"
        maxOccurs="unbounded" />
476                          <xs:element name="SetVectorPosition" type="cef:tSetVectorPositionCommand" mi
       nOccurs="0" maxOccurs="unbounded" />
477                          <xs:element name="SetMotionSpeed" type="cef:tMotionSpeedCommand" minOccurs="
       0" maxOccurs="unbounded" />
478                          <xs:element name="SetMotionTime" type="cef:tMotionTimeCommand" minOccurs="0"
        maxOccurs="unbounded" />
479                          <xs:element name="SetMotionShutterMode" type="cef:tShutterOnOffCommand" minO
       ccurs="0" maxOccurs="unbounded" />
480                          <xs:element name="CustomMotionCommand" type="cef:tCustomCommand" minOccurs="
       0" maxOccurs="unbounded" />
481                          <!-- Specials -->
482                          <xs:element name="SetLampOn" type="cef:tSimpleCommand" minOccurs="0" maxOccu
       rs="unbounded" />
483                          <xs:element name="SetLampOff" type="cef:tSimpleCommand" minOccurs="0" maxOcc
       urs="unbounded" />
484                          <xs:element name="SetLampMode" type="cef:tSetLampModeCommand" minOccurs="0"
       maxOccurs="unbounded" />
485                          <xs:element name="CustomLampCommand" type="cef:tCustomCommand" minOccurs="0"
        maxOccurs="unbounded" />
486                          <xs:element name="SetLaserOn" type="cef:tSimpleCommand" minOccurs="0" maxOcc
       urs="unbounded" />
487                          <xs:element name="SetLaserOff" type="cef:tSimpleCommand" minOccurs="0" maxOc
       curs="unbounded" />
488                          <xs:element name="SetLaserStrobe" type="cef:tSetLaserStrobeCommand" minOccur
       s="0" maxOccurs="unbounded" />
489                          <xs:element name="SetFanMode" type="cef:tSetFanModeCommand" minOccurs="0" ma
       xOccurs="unbounded" />
490                          <xs:element name="CustomFanCommand" type="cef:tCustomCommand" minOccurs="0"
       maxOccurs="unbounded" />
491                          <xs:element name="Reset" type="cef:tResetCommand" minOccurs="0" maxOccurs="u
       nbounded" />
492                          <xs:element name="NoFunction" type="cef:tSimpleCommand" minOccurs="0" maxOcc
       urs="unbounded" />
493                          <xs:element name="Reserved" type="cef:tSimpleCommand" minOccurs="0" maxOccur
       s="unbounded" />
494                          <xs:element name="CustomCommand" type="cef:tCustomCommand" minOccurs="0"
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495                          <xs:element name="SetPreset" type="cef:tPresetCommand" minOccurs="0"
       maxOccurs="unbounded" />
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500                  <xs:attribute name="Type" use="required">
501                      <xs:simpleType>
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437                              <xs:restriction base="xs:string">
438                                  <xs:enumeration value="8Bit" />
439                                  <xs:enumeration value="16BitMsb" />
440                                  <xs:enumeration value="16BitLsb" />
441                              </xs:restriction>
442                          </xs:simpleType>
443                      </xs:attribute>
444                      <xs:attribute name="OsbChannelIndex" use="optional" type="xs:unsign
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445                      <xs:attribute name="Name" use="required"/>
446                      <xs:attribute name="ShortName" use="optional"/>
447                      <xs:attribute name="DefaultLevel" use="optional"/>




448                      <xs:attribute name="LocateLevel" use="optional"/>
449                  </xs:complexType>
450              </xs:element>
451          </xs:sequence>
452      </xs:complexType>
453  </xs:element>
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455      <xs:complexType>
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457              <xs:element name="Step" minOccurs="1" maxOccurs="unbounded">
458                  <xs:complexType>
459                      <xs:sequence>
460                          <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
461                              <xs:complexType>
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ed" />
463                                  <xs:attribute name="DMX" type="xs:int" use="required" />
464                              </xs:complexType>
465                          </xs:element>
466                      </xs:sequence>
467                      <xs:attribute name="Time" type="xs:float" use="required" />
468                  </xs:complexType>
469              </xs:element>
470          </xs:sequence>
471          <xs:attribute name="Type" use="required">
472              <xs:simpleType>
473                  <xs:restriction base="xs:string">
474                      <xs:enumeration value="Custom" />
475                      <xs:enumeration value="Lock" />
476                      <xs:enumeration value="Unlock" />
477                      <xs:enumeration value="LampOn" />
478                      <xs:enumeration value="LampOff" />
479                      <xs:enumeration value="LampModeNormal" />
480                      <xs:enumeration value="LampModeLowPower" />
481                      <xs:enumeration value="ResetComplete" />
482                      <xs:enumeration value="ResetPanTilt" />
483                      <xs:enumeration value="ResetColour" />
484                      <xs:enumeration value="ResetGobo" />
485                      <xs:enumeration value="ResetStrobe" />
486                      <xs:enumeration value="ResetFocus" />
487                      <xs:enumeration value="ResetZoom" />
488                      <xs:enumeration value="ResetFrost" />
489                      <xs:enumeration value="ResetIris" />
490                      <xs:enumeration value="ResetAllInternal" />
491                      <xs:enumeration value="FanModeSlow" />
492                      <xs:enumeration value="FanModeFast" />
493                  </xs:restriction>
494              </xs:simpleType>
495          </xs:attribute>
496          <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
497          <xs:attribute name="CustomName" type="xs:string" use="optional" />
498      </xs:complexType>
499  </xs:element>
500  </xs:sequence>
```

```
502                              <xs:restriction base="xs:string">
503                                  <xs:enumeration value="8Bit" />
504                                  <xs:enumeration value="16BitMsb" />
505                                  <xs:enumeration value="16BitLsb" />
506                              </xs:restriction>
507                          </xs:simpleType>
508                      </xs:attribute>
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511                      <xs:attribute name="ShortName" use="optional"/>
512                      <xs:attribute name="DefaultLevel" use="optional"/>
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526  </xs:element>
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537                              </xs:complexType>
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548                      <xs:enumeration value="Lock" />
549                      <xs:enumeration value="Unlock" />
550                      <xs:enumeration value="LampOn" />
551                      <xs:enumeration value="LampOff" />
552                      <xs:enumeration value="LampModeNormal" />
553                      <xs:enumeration value="LampModeLowPower" />
554                      <xs:enumeration value="ResetComplete" />
555                      <xs:enumeration value="ResetPanTilt" />
556                      <xs:enumeration value="ResetColour" />
557                      <xs:enumeration value="ResetGobo" />
558                      <xs:enumeration value="ResetStrobe" />
559                      <xs:enumeration value="ResetFocus" />
560                      <xs:enumeration value="ResetZoom" />
561                      <xs:enumeration value="ResetFrost" />
562                      <xs:enumeration value="ResetIris" />
563                      <xs:enumeration value="ResetAllInternal" />
564                      <xs:enumeration value="FanModeSlow" />
565                      <xs:enumeration value="FanModeFast" />
566                  </xs:restriction>
567              </xs:simpleType>
568          </xs:attribute>
569          <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
570          <xs:attribute name="CustomName" type="xs:string" use="optional" />
571      </xs:complexType>
572  </xs:element>
573  </xs:sequence>
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```
501            <xs:attribute name="Identifier" type="xs:string" use="required"/>
502            <xs:attribute name="Name" type="xs:string" use="required"/>
503            <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="required"/>

504            <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
505          </xs:complexType>
506        </xs:element>
507      </xs:sequence>
508      <xs:attribute name="Identifier" type="xs:string" use="required"/>
509      <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
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511      <xs:attribute name="Brand" type="xs:string" use="required"/>
512      <xs:attribute name="Name" type="xs:string" use="required"/>
513      <xs:attribute name="PartNo" type="xs:string" use="optional"/>
514    </xs:complexType>
515
516    <xs:simpleType name="tFixtureAxisName">
517      <xs:restriction base="xs:string">
518        <xs:enumeration value="Pan" />
519        <xs:enumeration value="Tilt" />
520        <xs:enumeration value="Pitch" />
521      </xs:restriction>
522    </xs:simpleType>
523
524    <xs:complexType name="tFixtureLightSourceColour">
525      <xs:sequence>
526        <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
527          <xs:complexType>
528            <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
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530            <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
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533        <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
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539        </xs:element>
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543
544    <xs:complexType name="tFixtureLightSourceOpticTraits">
545      <xs:sequence>
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547        <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
548        <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
549          <xs:complexType>
550            <xs:sequence>
551              <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxOccurs="1" />
552            </xs:sequence>
553          </xs:complexType>
554        </xs:element>
555      </xs:sequence>
556    </xs:complexType>
557
558    <!-- Media server -->
559    <xs:complexType name="tMediaServer">
560      <xs:sequence>
561        <xs:element name="Layers" minOccurs="1" maxOccurs="1">
562          <xs:complexType>
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567        </xs:element>
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570            <xs:sequence>
571              <xs:element name="List" type="cef:tMediaServerList" minOccurs="0" maxOccurs="unbou
      nded" />
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574            <xs:attribute name="Identifier" type="xs:string" use="required"/>
575            <xs:attribute name="Name" type="xs:string" use="required"/>
576            <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="required"/>
577            <xs:attribute name="ControllerName" type="xs:string" use="optional"/>
578            <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
579          </xs:complexType>
580        </xs:element>
581      </xs:sequence>
582      <xs:attribute name="Identifier" type="xs:string" use="required"/>
583      <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
584      <xs:attribute name="VersionDate" type="xs:date" use="required"/>
585      <xs:attribute name="Brand" type="xs:string" use="required"/>
586      <xs:attribute name="Name" type="xs:string" use="required"/>
587      <xs:attribute name="PartNo" type="xs:string" use="optional"/>
588    </xs:complexType>
589
590    <xs:simpleType name="tFixtureAxisName">
591      <xs:restriction base="xs:string">
592        <xs:enumeration value="Pan" />
593        <xs:enumeration value="Tilt" />
594        <xs:enumeration value="Pitch" />
595      </xs:restriction>
596    </xs:simpleType>
597
598    <xs:complexType name="tFixtureLightSourceColour">
599      <xs:sequence>
600        <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
601          <xs:complexType>
602            <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
603            <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
604            <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
605          </xs:complexType>
606        </xs:element>
607        <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
608          <xs:complexType>
609            <xs:attribute name="x" type="xs:float" use="required" />
610            <xs:attribute name="y" type="xs:float" use="required" />
611            <xs:attribute name="Y" type="xs:float" use="required" />
612          </xs:complexType>
613        </xs:element>
614      </xs:sequence>
615      <xs:attribute name="Name" type="xs:string" use="optional" />
616    </xs:complexType>
617
618    <xs:complexType name="tFixtureLightSourceOpticTraits">
619      <xs:sequence>
620        <xs:element name="HorizontalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
621        <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
622        <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
623          <xs:complexType>
624            <xs:sequence>
625              <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxOccurs="1" />
626            </xs:sequence>
627          </xs:complexType>
628        </xs:element>
629      </xs:sequence>
630    </xs:complexType>
631
632    <!-- Media server -->
633    <xs:complexType name="tMediaServer">
634      <xs:sequence>
635        <xs:element name="Layers" minOccurs="1" maxOccurs="1">
636          <xs:complexType>
637            <xs:sequence>
638              <xs:element name="Layer" type="cef:tMediaServerLayer" minOccurs="0" maxOccurs="unbounded
      " />
639            </xs:sequence>
640          </xs:complexType>
641        </xs:element>
642        <xs:element name="Lists" minOccurs="1" maxOccurs="1">
643          <xs:complexType>
644            <xs:sequence>
645              <xs:element name="List" type="cef:tMediaServerList" minOccurs="0" maxOccurs="unbounded"
      />
```

```
572          </xs:sequence>
573        </xs:complexType>
574      </xs:element>
575    </xs:sequence>
576    <xs:attribute name="Identifier" type="xs:string" use="required"/>
577    <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
578    <xs:attribute name="VersionDate" type="xs:date" use="required"/>
579    <xs:attribute name="Brand" type="xs:string" use="required" />
580    <xs:attribute name="Name" type="xs:string" use="required" />
581  </xs:complexType>
582
583  <xs:complexType name="tMediaServerLayer">
584    <xs:sequence>
585      <xs:element name="Channels" minOccurs="1" maxOccurs="1">
586        <xs:complexType>
587          <xs:sequence>
588            <xs:element name="Channel" minOccurs="1" maxOccurs="512">
589              <xs:complexType>
590                <xs:choice minOccurs="0" maxOccurs="unbounded">
591                  <xs:element name="DimmerRange" type="cef:tMediaServerDimmerRange" />
592                  <xs:element name="Range" type="cef:tMediaServerGenericRange" />
593                  <xs:element name="Snap" type="cef:tMediaServerGenericRange" />
594                </xs:choice>
595                <xs:attribute name="Name" type="xs:string" use="required" />
596                <xs:attribute name="Default" type="xs:unsignedInt" use="required" />
597                <xs:attribute name="Bits" use="optional">
598                  <xs:simpleType>
599                    <xs:restriction base="xs:int">
600                      <xs:enumeration value="8" />
601                      <xs:enumeration value="16" />
602                      <xs:enumeration value="24" />
603                      <xs:enumeration value="32" />
604                    </xs:restriction>
605                  </xs:simpleType>
606                </xs:attribute>
607                <xs:attribute name="Table" type="xs:string" use="optional" />
608                <xs:attribute name="TableFunction" use="optional">
609                  <xs:simpleType>
610                    <xs:restriction base="xs:string">
611                      <xs:enumeration value="Selector" />
612                      <xs:enumeration value="Parameter" />
613                    </xs:restriction>
614                  </xs:simpleType>
615                </xs:attribute>
616                <xs:attribute name="TableParameterName" type="xs:string" use="optional" />
617                <xs:attribute name="CITPMediaType" use="optional">
618                  <xs:simpleType>
619                    <xs:restriction base="xs:string">
620                      <xs:enumeration value="Media" />
621                      <xs:enumeration value="Effects" />



622                      <xs:enumeration value="3D Meshes" />
623                    </xs:restriction>
624                  </xs:simpleType>
625                </xs:attribute>
626                <xs:attribute name="CITPMediaLevel" use="optional">
627                  <xs:simpleType>
628                    <xs:restriction base="xs:int">
629                      <xs:minInclusive value="1" />
630                      <xs:maxInclusive value="4" />
631                    </xs:restriction>
632                  </xs:simpleType>
633                </xs:attribute>
634                <xs:attribute name="CITPParameterIndex" type="xs:byte" use="optional" />
635              </xs:complexType>
636            </xs:element>
637          </xs:sequence>
638        </xs:complexType>
639      </xs:element>
```

```
646          </xs:sequence>
647        </xs:complexType>
648      </xs:element>
649    </xs:sequence>
650    <xs:attribute name="Identifier" type="xs:string" use="required"/>
651    <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
652    <xs:attribute name="VersionDate" type="xs:date" use="required"/>
653    <xs:attribute name="Brand" type="xs:string" use="required" />
654    <xs:attribute name="Name" type="xs:string" use="required" />
655  </xs:complexType>
656
657  <xs:complexType name="tMediaServerLayer">
658    <xs:sequence>
659      <xs:element name="Channels" minOccurs="1" maxOccurs="1">
660        <xs:complexType>
661          <xs:sequence>
662            <xs:element name="Channel" minOccurs="1" maxOccurs="512">
663              <xs:complexType>
664                <xs:choice minOccurs="0" maxOccurs="unbounded">
665                  <xs:element name="DimmerRange" type="cef:tMediaServerDimmerRange" />
666                  <xs:element name="Range" type="cef:tMediaServerRange" />
667                  <xs:element name="Snap" type="cef:tMediaServerSnap" />
668                </xs:choice>
669                <xs:attribute name="Name" type="xs:string" use="required" />
670                <xs:attribute name="Default" type="xs:unsignedInt" use="required" />
671                <xs:attribute name="Bits" use="optional">
672                  <xs:simpleType>
673                    <xs:restriction base="xs:int">
674                      <xs:enumeration value="8" />
675                      <xs:enumeration value="16" />
676                      <xs:enumeration value="24" />
677                      <xs:enumeration value="32" />
678                    </xs:restriction>
679                  </xs:simpleType>
680                </xs:attribute>
681                <xs:attribute name="Table" type="xs:string" use="optional" />
682                <xs:attribute name="TableFunction" use="optional">
683                  <xs:simpleType>
684                    <xs:restriction base="xs:string">
685                      <xs:enumeration value="Selector" />
686                      <xs:enumeration value="Parameter" />
687                    </xs:restriction>
688                  </xs:simpleType>
689                </xs:attribute>
690                <xs:attribute name="TableParameterName" type="xs:string" use="optional" />
691                <xs:attribute name="CITPMediaType" use="optional">
692                  <xs:simpleType>
693                    <xs:restriction base="xs:string">
694                      <xs:enumeration value="Media" />
695                      <xs:enumeration value="Effects" />
696                      <xs:enumeration value="Cues" />
697                      <xs:enumeration value="Crossfades" />
698                      <xs:enumeration value="Masks" />
699                      <xs:enumeration value="Blend Presets" />
700                      <xs:enumeration value="Effect Presets" />
701                      <xs:enumeration value="Image Presets" />
702                      <xs:enumeration value="3D Meshes" />
703                    </xs:restriction>
704                  </xs:simpleType>
705                </xs:attribute>
706                <xs:attribute name="CITPMediaLevel" use="optional">
707                  <xs:simpleType>
708                    <xs:restriction base="xs:int">
709                      <xs:minInclusive value="1" />
710                      <xs:maxInclusive value="4" />
711                    </xs:restriction>
712                  </xs:simpleType>
713                </xs:attribute>
714                <xs:attribute name="CITPParameterIndex" type="xs:byte" use="optional" />
715              </xs:complexType>
716            </xs:element>
717          </xs:sequence>
718        </xs:complexType>
719      </xs:element>
```

```
640        </xs:sequence>
641        <xs:attribute name="Identifier" type="xs:string" use="required"/>
642        <xs:attribute name="Name" type="xs:string" use="required" />
643    </xs:complexType>
644
645    <xs:complexType name="tMediaServerGenericRange">
646        <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
647        <xs:attribute name="End" type="xs:unsignedInt" use="required" />
648        <!-- Substitute ### with the 8-bit DMX level -->
649        <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
650        <xs:attribute name="Text" type="xs:string" use="required" />
651    </xs:complexType>
652
653    <xs:complexType name="tMediaServerDimmerRange">
654        <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
655        <xs:attribute name="End" type="xs:unsignedInt" use="required" />
656        <xs:attribute name="DimmerFrom" use="required">
657            <xs:simpleType>
658                <xs:restriction base="xs:float">
659                    <xs:minInclusive value="0" />
660                    <xs:maxInclusive value="1" />
661                </xs:restriction>
662            </xs:simpleType>
663        </xs:attribute>
664        <xs:attribute name="DimmerTo" use="required">
665            <xs:simpleType>
666                <xs:restriction base="xs:float">
667                    <xs:minInclusive value="0" />
668                    <xs:maxInclusive value="1" />
669                </xs:restriction>
670            </xs:simpleType>
671        </xs:attribute>
672    </xs:complexType>
673
674    <xs:complexType name="tMediaServerList">
675        <xs:sequence>
676            <xs:element name="Entry" minOccurs="1" maxOccurs="255">
677                <xs:complexType>
678                    <xs:sequence>
679                        <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
680                            <xs:complexType>
681                                <xs:attribute name="Name" type="xs:string" use="required" />
682                                <xs:attribute name="Function" type="xs:string" use="required" />
683                            </xs:complexType>
684                        </xs:element>
685                    </xs:sequence>
686                    <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
687                    <xs:attribute name="End" type="xs:unsignedByte" use="required" />
688                    <xs:attribute name="Name" type="xs:string" use="required" />
689                </xs:complexType>
690            </xs:element>
691        </xs:sequence>
692        <xs:attribute name="Name" type="xs:string" use="required" />
693    </xs:complexType>
694
720        </xs:sequence>
721        <xs:attribute name="Identifier" type="xs:string" use="required"/>
722        <xs:attribute name="Name" type="xs:string" use="required" />
723    </xs:complexType>
724
725    <xs:complexType name="tMediaServerDimmerRange">
726        <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
727        <xs:attribute name="End" type="xs:unsignedInt" use="required" />
728        <xs:attribute name="DimmerFrom" use="required">
729            <xs:simpleType>
730                <xs:restriction base="xs:float">
731                    <xs:minInclusive value="0" />
732                    <xs:maxInclusive value="1" />
733                </xs:restriction>
734            </xs:simpleType>
735        </xs:attribute>
736        <xs:attribute name="DimmerTo" use="required">
737            <xs:simpleType>
738                <xs:restriction base="xs:float">
739                    <xs:minInclusive value="0" />
740                    <xs:maxInclusive value="1" />
741                </xs:restriction>
742            </xs:simpleType>
743        </xs:attribute>
744    </xs:complexType>
745
746    <xs:complexType name="tMediaServerRange">
747        <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
748        <xs:attribute name="End" type="xs:unsignedInt" use="required" />
749        <!-- Substitute ### with the 8-bit DMX level -->
750        <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
751        <xs:attribute name="Text" type="xs:string" use="required" />
752        <xs:attribute name="From" type="xs:string" use="required" />
753        <xs:attribute name="To" type="xs:string" use="required" />
754    </xs:complexType>
755
756    <xs:complexType name="tMediaServerSnap">
757        <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
758        <xs:attribute name="End" type="xs:unsignedInt" use="required" />
759        <!-- Substitute ### with the 8-bit DMX level -->
760        <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
761        <xs:attribute name="Text" type="xs:string" use="required" />
762        <xs:attribute name="To" type="xs:string" use="optional" />
763    </xs:complexType>
764
765    <xs:complexType name="tMediaServerList">
766        <xs:sequence>
767            <xs:element name="Entry" minOccurs="1" maxOccurs="255">
768                <xs:complexType>
769                    <xs:sequence>
770                        <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
771                            <xs:complexType>
772                                <xs:attribute name="Name" type="xs:string" use="required" />
773                                <xs:attribute name="Function" type="xs:string" use="required" />
774                            </xs:complexType>
775                        </xs:element>
776                    </xs:sequence>
777                    <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
778                    <xs:attribute name="End" type="xs:unsignedByte" use="required" />
779                    <xs:attribute name="Name" type="xs:string" use="required" />
780                </xs:complexType>
781            </xs:element>
782        </xs:sequence>
783        <xs:attribute name="Name" type="xs:string" use="required" />
784    </xs:complexType>
785
```

```
695  <!-- Symbol -->
696  <xs:complexType name="tSymbol">
697    <xs:sequence>
698      <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
699        <xs:complexType>
700          <xs:sequence>
701            <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
702              <xs:complexType>
703                <xs:attribute name="X" type="xs:float" use="required" />
704                <xs:attribute name="Y" type="xs:float" use="required" />
705              </xs:complexType>
706            </xs:element>
707          </xs:sequence>
708          <xs:attribute name="Type" use="required">
709            <xs:simpleType>
710              <xs:restriction base="xs:string">
711                <xs:enumeration value="Fill" />
712                <xs:enumeration value="Line" />
713              </xs:restriction>
714            </xs:simpleType>
715          </xs:attribute>
716        </xs:complexType>
717      </xs:element>
718    </xs:sequence>
719    <xs:attribute name="Identifier" type="xs:string" use="required"/>
720    <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
721    <xs:attribute name="VersionDate" type="xs:date" use="required"/>
722    <xs:attribute name="Brand" type="xs:string" use="required"/>
723    <xs:attribute name="Name" type="xs:string" use="optional"/>
724  </xs:complexType>
725
726  <!-- Generic DMX Mode command types -->
727  <xs:complexType name="tSimpleCommand">
728    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
729    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
730  </xs:complexType>
731
732  <xs:complexType name="tSimpleLevelCommand">
733    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
734    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
735    <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
736    <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
737  </xs:complexType>
738
739  <xs:complexType name="tSimpleCellLevelCommand">
740    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
741    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
742    <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
743    <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
744    <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
745    <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
746  </xs:complexType>
747
748  <xs:complexType name="tSimpleSpeedCommand">
749    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
750    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
751    <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
752    <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
753  </xs:complexType>
754
755  <xs:complexType name="tSimpleTimeCommand">
756    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
757    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
758    <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
759    <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
760  </xs:complexType>
761
762  <xs:complexType name="tSimpleStrobeCommand">
763    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
764    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
765    <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
766    <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
767    <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
768    <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
```

```
769    </xs:complexType>
770
771    <xs:complexType name="tShutterOnOffCommand">
772        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
773        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
774        <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
775    </xs:complexType>
776
777    <!-- Specific DMX Mode command types -->
778    <xs:complexType name="tSetLightModeCommand">
779        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
780        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
781        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
782        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
783        <xs:attribute name="ToMode" type="cef:tLightMode" use="required"/>
784    </xs:complexType>
785
786    <xs:complexType name="tSetCellLightLevelCommand">
787        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
788        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
789        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
790        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
791        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
792        <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
793        <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
794    </xs:complexType>
795
796    <xs:complexType name="tSetCellLightWideLevelCommand">
797        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
798        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
799        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
800        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
801        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
802        <xs:attribute name="ToStartLevel" type="cef:tWideRangeValue" use="required"/>
803        <xs:attribute name="ToEndLevel" type="cef:tWideRangeValue" use="required"/>
804    </xs:complexType>
805



806    <xs:complexType name="tSetCellLightColorTemperatureLevelCommand">
807        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
808        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
809        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
810        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
811        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
812        <xs:attribute name="ToStartLevel" type="cef:tColorTemperatureRangeValue" use="required"/>
813        <xs:attribute name="ToEndLevel" type="cef:tColorTemperatureRangeValue" use="required"/>
814    </xs:complexType>
815
816    <xs:complexType name="tSetShutterCommand">
817        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
818        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
819        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
820        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
821    </xs:complexType>
822
823    <xs:complexType name="tSetShutterStrobeCommand">
824        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
825        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
826        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
827        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
828        <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
829        <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
830    </xs:complexType>
831
832    <xs:complexType name="tSetShutterStrobeRateCommand">
833        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
834        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
```

```
860    </xs:complexType>
861
862    <xs:complexType name="tShutterOnOffCommand">
863        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
864        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
865        <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
866    </xs:complexType>
867
868    <!-- Specific DMX Mode command types -->
869    <xs:complexType name="tSetLightModeCommand">
870        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
871        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
872        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
873        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
874        <xs:attribute name="ToMode" type="cef:tLightMode" use="required"/>
875    </xs:complexType>
876
877    <xs:complexType name="tSetCellLightLevelCommand">
878        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
879        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
880        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
881        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
882        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
883        <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
884        <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
885    </xs:complexType>
886
887    <xs:complexType name="tSetCellLightWideLevelCommand">
888        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
889        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
890        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
891        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
892        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
893        <xs:attribute name="ToStartLevel" type="cef:tWideRangeValue" use="required"/>
894        <xs:attribute name="ToEndLevel" type="cef:tWideRangeValue" use="required"/>
895    </xs:complexType>
896
897    <xs:complexType name="tSetCellLightColorRenderingIndexLevelCommand">
898        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
899        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
900        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
901        <xs:attribute name="ToStartLevel" type="cef:tColorRenderingIndexRangeValue" use="required"/>
902        <xs:attribute name="ToEndLevel" type="cef:tColorRenderingIndexRangeValue" use="required"/>
903    </xs:complexType>
904
905    <xs:complexType name="tSetCellLightColorTemperatureLevelCommand">
906        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
907        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
908        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
909        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
910        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
911        <xs:attribute name="ToStartLevel" type="cef:tColorTemperatureRangeValue" use="required"/>
912        <xs:attribute name="ToEndLevel" type="cef:tColorTemperatureRangeValue" use="required"/>
913    </xs:complexType>
914
915    <xs:complexType name="tSetShutterCommand">
916        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
917        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
918        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
919        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
920    </xs:complexType>
921
922    <xs:complexType name="tSetShutterStrobeCommand">
923        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
924        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
925        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
926        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
927        <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
928        <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
929    </xs:complexType>
930
931    <xs:complexType name="tSetShutterStrobeRateCommand">
932        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
933        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
```

```
835        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
836        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
837        <xs:attribute name="Mode" type="cef:tStrobeMode" use="required"/>
838    </xs:complexType>
839
840    <xs:complexType name="tSetShutterStrobeVariableRateCommand">
841        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
842        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
843        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
844        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
845        <xs:attribute name="Mode" type="cef:tStrobeMode" use="required"/>
846        <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
847        <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
848    </xs:complexType>
849
850    <xs:complexType name="tSetShutterStrobeDurationCommand">
851        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
852        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
853        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
854        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
855        <xs:attribute name="ToTiming" use="required">
856            <xs:simpleType>
857                <xs:restriction base="xs:string">
858                    <xs:enumeration value="Absolute" />
859                    <xs:enumeration value="Relative" />
860                </xs:restriction>
861            </xs:simpleType>
862        </xs:attribute>
863        <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
864        <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
865    </xs:complexType>
866
867    <xs:complexType name="tSetFocusModeCommand">
868        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
869        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
870        <xs:attribute name="ToMode" use="required">
871            <xs:simpleType>
872                <xs:restriction base="xs:string">
873                    <xs:enumeration value="Normal" />
874                    <xs:enumeration value="Auto" />
875                </xs:restriction>
876            </xs:simpleType>
877        </xs:attribute>
878    </xs:complexType>
879
880    <xs:complexType name="tSetWheelModeCommand">
881        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
882        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
883        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
884        <xs:attribute name="ToMode" type="cef:tWheelMode" use="required"/>
885    </xs:complexType>
886
887    <xs:complexType name="tSetWheelSpinDirectionCommand">
888        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
889        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
890        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
891        <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
892    </xs:complexType>
893
894    <xs:complexType name="tSetWheelPositionCommand">
895        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
896        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
897        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
898        <xs:attribute name="Mode" type="cef:tWheelMode" use="required"/>
899        <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
900        <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
901    </xs:complexType>
902
903    <xs:complexType name="tSetWheelSpeedCommand">
904        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
905        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
906        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
907        <xs:attribute name="Mode" type="cef:tWheelMode" use="required"/>
908        <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
```

```
934        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
935        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
936        <xs:attribute name="Mode" type="cef:tStrobeMode" use="required"/>
937    </xs:complexType>
938
939    <xs:complexType name="tSetShutterStrobeVariableRateCommand">
940        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
941        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
942        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
943        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
944        <xs:attribute name="Mode" type="cef:tStrobeMode" use="required"/>
945        <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
946        <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
947    </xs:complexType>
948
949    <xs:complexType name="tSetShutterStrobeDurationCommand">
950        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
951        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
952        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
953        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
954        <xs:attribute name="ToTiming" use="required">
955            <xs:simpleType>
956                <xs:restriction base="xs:string">
957                    <xs:enumeration value="Absolute" />
958                    <xs:enumeration value="Relative" />
959                </xs:restriction>
960            </xs:simpleType>
961        </xs:attribute>
962        <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
963        <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
964    </xs:complexType>
965
966    <xs:complexType name="tSetFocusModeCommand">
967        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
968        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
969        <xs:attribute name="ToMode" use="required">
970            <xs:simpleType>
971                <xs:restriction base="xs:string">
972                    <xs:enumeration value="Normal" />
973                    <xs:enumeration value="Auto" />
974                </xs:restriction>
975            </xs:simpleType>
976        </xs:attribute>
977    </xs:complexType>
978
979    <xs:complexType name="tSetWheelModeCommand">
980        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
981        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
982        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
983        <xs:attribute name="ToMode" type="cef:tWheelMode" use="required"/>
984    </xs:complexType>
985
986    <xs:complexType name="tSetWheelSpinDirectionCommand">
987        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
988        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
989        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
990        <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
991    </xs:complexType>
992
993    <xs:complexType name="tSetWheelPositionCommand">
994        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
995        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
996        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
997        <xs:attribute name="Mode" type="cef:tWheelMode" use="required"/>
998        <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
999        <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1000   </xs:complexType>
1001
1002   <xs:complexType name="tSetWheelSpeedCommand">
1003       <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1004       <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1005       <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1006       <xs:attribute name="Mode" type="cef:tWheelMode" use="required"/>
1007       <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
```

```
909          <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
910      </xs:complexType>
911
912      <xs:complexType name="tSetWheelShutterModeCommand">
913          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
914          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
915          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
916          <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
917      </xs:complexType>
918
919      <xs:complexType name="tSetWheelDepthPositionCommand">
920          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
921          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
922          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
923          <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
924          <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
925      </xs:complexType>
926
927      <xs:complexType name="tSetWheelDepthStrobeCommand">
928          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
929          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
930          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
931          <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
932          <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
933          <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
934      </xs:complexType>
935
936      <xs:complexType name="tSetWheelDepthOrientationCommand">
937          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
938          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
939          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
940          <xs:attribute name="ToStartLevelOrientation" type="xs:float" use="required"/>
941          <xs:attribute name="ToEndLevelOrientation" type="xs:float" use="required"/>
942      </xs:complexType>
943
944      <xs:complexType name="tSetWheelFrameModeCommand">
945          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
946          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
947          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
948          <xs:attribute name="ToMode" type="cef:tWheelFrameMode" use="required"/>
949      </xs:complexType>
950
951      <xs:complexType name="tSetWheelFrameSpinDirectionCommand">
952          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
953          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
954          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
955          <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
956      </xs:complexType>
957
958      <xs:complexType name="tSetWheelFramePositionCommand">
959          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
960          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
961          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
962          <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
963          <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
964          <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
965      </xs:complexType>
966
967      <xs:complexType name="tSetWheelFrameSpeedCommand">
968          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
969          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
970          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
971          <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
972          <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
973          <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
974      </xs:complexType>
975
976      <xs:complexType name="tSetFramingShutterDepthCommand">
977          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
978          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
979          <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
980          <xs:attribute name="ToStartLevelDepth" type="cef:tFramingShutterDepthValue" use="required"/>
981          <xs:attribute name="ToEndLevelDepth" type="cef:tFramingShutterDepthValue" use="required"/>
982      </xs:complexType>
```

```
1008          <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1009      </xs:complexType>
1010
1011      <xs:complexType name="tSetWheelShutterModeCommand">
1012          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1013          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1014          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1015          <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
1016      </xs:complexType>
1017
1018      <xs:complexType name="tSetWheelDepthPositionCommand">
1019          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1020          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1021          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1022          <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1023          <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1024      </xs:complexType>
1025
1026      <xs:complexType name="tSetWheelDepthStrobeCommand">
1027          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1028          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1029          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1030          <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1031          <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1032          <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1033      </xs:complexType>
1034
1035      <xs:complexType name="tSetWheelDepthOrientationCommand">
1036          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1037          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1038          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1039          <xs:attribute name="ToStartLevelOrientation" type="xs:float" use="required"/>
1040          <xs:attribute name="ToEndLevelOrientation" type="xs:float" use="required"/>
1041      </xs:complexType>
1042
1043      <xs:complexType name="tSetWheelFrameModeCommand">
1044          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1045          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1046          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1047          <xs:attribute name="ToMode" type="cef:tWheelFrameMode" use="required"/>
1048      </xs:complexType>
1049
1050      <xs:complexType name="tSetWheelFrameSpinDirectionCommand">
1051          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1052          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1053          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1054          <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
1055      </xs:complexType>
1056
1057      <xs:complexType name="tSetWheelFramePositionCommand">
1058          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1059          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1060          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1061          <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1062          <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1063          <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1064      </xs:complexType>
1065
1066      <xs:complexType name="tSetWheelFrameSpeedCommand">
1067          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1068          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1069          <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1070          <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1071          <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1072          <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1073      </xs:complexType>
1074
1075      <xs:complexType name="tSetFramingShutterDepthCommand">
1076          <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1077          <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1078          <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1079          <xs:attribute name="ToStartLevelDepth" type="cef:tFramingShutterDepthValue" use="required"/>
1080          <xs:attribute name="ToEndLevelDepth" type="cef:tFramingShutterDepthValue" use="required"/>
1081      </xs:complexType>
```

```
 983
 984    <xs:complexType name="tSetFramingShutterAngleCommand">
 985      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
 986      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
 987      <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
 988      <xs:attribute name="ToStartLevelAngle" type="cef:tFramingShutterAngleValue" use="required"/>
 989      <xs:attribute name="ToEndLevelAngle" type="cef:tFramingShutterAngleValue" use="required"/>
 990    </xs:complexType>
 991
 992    <xs:complexType name="tSetFramingShutterPackageAngleCommand">
 993      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
 994      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
 995      <xs:attribute name="ToStartLevelAngle" type="xs:float" use="required"/>
 996      <xs:attribute name="ToEndLevelAngle" type="xs:float" use="required"/>
 997    </xs:complexType>
 998
 999    <xs:complexType name="tSetMotionModeCommand">
1000      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1001      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1002      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1003      <xs:attribute name="ToMode" use="required">
1004        <xs:simpleType>
1005          <xs:restriction base="xs:string">
1006            <xs:enumeration value="Indexed" />
1007            <xs:enumeration value="Spinning" />
1008          </xs:restriction>
1009        </xs:simpleType>
1010      </xs:attribute>
1011    </xs:complexType>
1012
1013    <xs:complexType name="tMotionCommand">
1014      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1015      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1016      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1017      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1018    </xs:complexType>
1019
1020    <xs:complexType name="tSetMotionDirectionCommand">
1021      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1022      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1023      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1024      <xs:attribute name="ToDirection" use="required">
1025        <xs:simpleType>
1026          <xs:restriction base="xs:string">
1027            <xs:enumeration value="Reverse" />
1028            <xs:enumeration value="Forward" />
1029          </xs:restriction>
1030        </xs:simpleType>
1031      </xs:attribute>
1032    </xs:complexType>
1033
1034    <xs:complexType name="tMotionSpeedCommand">
1035      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1036      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1037      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1038      <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1039      <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1040    </xs:complexType>
1041
1042    <xs:complexType name="tMotionTimeCommand">
1043      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1044      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1045      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1046      <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1047      <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1048    </xs:complexType>
1049
1050    <xs:complexType name="tSetVectorPositionCommand">
1051      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1052      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1053      <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1054      <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required"/>
1055      <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1056    </xs:complexType>
```

```
1057
1058    <xs:complexType name="tSetLampModeCommand">
1059        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1060        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1061        <xs:attribute name="ToMode" use="required">
1062            <xs:simpleType>
1063                <xs:restriction base="xs:string">
1064                    <xs:enumeration value="Normal" />
1065                    <xs:enumeration value="LowPower" />
1066                </xs:restriction>
1067            </xs:simpleType>
1068        </xs:attribute>
1069    </xs:complexType>
1070
1071    <xs:complexType name="tSetLaserStrobeCommand">
1072        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1073        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1074        <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1075        <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1076        <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1077    </xs:complexType>
1078
1079    <xs:complexType name="tSetFanModeCommand">
1080        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1081        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1082        <xs:attribute name="ToMode" use="required">
1083            <xs:simpleType>
1084                <xs:restriction base="xs:string">
1085                    <xs:enumeration value="Fast" />
1086                    <xs:enumeration value="Slow" />
1087                </xs:restriction>
1088            </xs:simpleType>
1089        </xs:attribute>
1090    </xs:complexType>
1091
1092    <xs:complexType name="tCustomCommand">
1093      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1094      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1095      <xs:attribute name="Usage" use="required">
1096        <xs:simpleType>
1097          <xs:restriction base="xs:string">
1098            <xs:enumeration value="Snap" />
1099            <xs:enumeration value="Range" />
1100          </xs:restriction>
1101        </xs:simpleType>
1102      </xs:attribute>
1103      <xs:attribute name="Description" type="xs:string" use="required"/>
1104      <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>


1105    </xs:complexType>
1106
1107    <xs:complexType name="tResetCommand">
1108        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1109        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1110        <xs:attribute name="ToType" use="required">
1111            <xs:simpleType>
1112                <xs:restriction base="xs:string">
1113                    <xs:enumeration value="Complete" />
1114                    <xs:enumeration value="PanTilt" />
1115                    <xs:enumeration value="Colour" />
1116                    <xs:enumeration value="Gobo" />
1117                    <xs:enumeration value="Strobe" />
1118                    <xs:enumeration value="Focus" />
1119                    <xs:enumeration value="Zoom" />
1120                    <xs:enumeration value="Frost" />
1121                    <xs:enumeration value="Iris" />
1122                    <xs:enumeration value="AllInternal" />
1123                </xs:restriction>
1124            </xs:simpleType>
1125        </xs:attribute>
1126    </xs:complexType>
1127
1128    <xs:complexType name="tPresetCommand">
```

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1156
1157    <xs:complexType name="tSetLampModeCommand">
1158        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1159        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1160        <xs:attribute name="ToMode" use="required">
1161            <xs:simpleType>
1162                <xs:restriction base="xs:string">
1163                    <xs:enumeration value="Normal" />
1164                    <xs:enumeration value="LowPower" />
1165                </xs:restriction>
1166            </xs:simpleType>
1167        </xs:attribute>
1168    </xs:complexType>
1169
1170    <xs:complexType name="tSetLaserStrobeCommand">
1171        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1172        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1173        <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1174        <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1175        <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1176    </xs:complexType>
1177
1178    <xs:complexType name="tSetFanModeCommand">
1179        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1180        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1181        <xs:attribute name="ToMode" use="required">
1182            <xs:simpleType>
1183                <xs:restriction base="xs:string">
1184                    <xs:enumeration value="Fast" />
1185                    <xs:enumeration value="Slow" />
1186                </xs:restriction>
1187            </xs:simpleType>
1188        </xs:attribute>
1189    </xs:complexType>
1190
1191    <xs:complexType name="tCustomCommand">
1192      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1193      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1194      <xs:attribute name="Usage" use="required">
1195        <xs:simpleType>
1196          <xs:restriction base="xs:string">
1197            <xs:enumeration value="Snap" />
1198            <xs:enumeration value="Range" />
1199          </xs:restriction>
1200        </xs:simpleType>
1201      </xs:attribute>
1202      <xs:attribute name="Description" type="xs:string" use="required"/>
1203      <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1204      <xs:attribute name="From" type="xs:string" use="optional"/>
1205      <xs:attribute name="To" type="xs:string" use="optional"/>
1206    </xs:complexType>
1207
1208    <xs:complexType name="tResetCommand">
1209        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1210        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1211        <xs:attribute name="ToType" use="required">
1212            <xs:simpleType>
1213                <xs:restriction base="xs:string">
1214                    <xs:enumeration value="Complete" />
1215                    <xs:enumeration value="PanTilt" />
1216                    <xs:enumeration value="Colour" />
1217                    <xs:enumeration value="Gobo" />
1218                    <xs:enumeration value="Strobe" />
1219                    <xs:enumeration value="Focus" />
1220                    <xs:enumeration value="Zoom" />
1221                    <xs:enumeration value="Frost" />
1222                    <xs:enumeration value="Iris" />
1223                    <xs:enumeration value="AllInternal" />
1224                </xs:restriction>
1225            </xs:simpleType>
1226        </xs:attribute>
1227    </xs:complexType>
1228
1229    <xs:complexType name="tPresetCommand">
```

```
1129        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1130        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1131        <xs:attribute name="Usage" use="required">
1132          <xs:simpleType>
1133            <xs:restriction base="xs:string">
1134              <xs:enumeration value="Snap" />
1135              <xs:enumeration value="Range" />
1136            </xs:restriction>
1137          </xs:simpleType>
1138        </xs:attribute>
1139        <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1140        <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1141        <xs:attribute name="Description" type="xs:string" use="required"/>
1142        <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1143      </xs:complexType>
1144

1145      <xs:complexType name="tTextCommand">
1146        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1147        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1148        <xs:attribute name="Description" type="xs:string" use="required"/>
1149        <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1150      </xs:complexType>
1151
1152      <!-- Common simple types-->
1153      <xs:simpleType name="tGoboType">
1154        <xs:restriction base="xs:string">
1155          <xs:enumeration value="Pattern" />
1156          <xs:enumeration value="Animation Disc" />
1157          <xs:enumeration value="Linear 2-Facet Prism" />
1158          <xs:enumeration value="Circular 3-Facet Prism" />
1159          <xs:enumeration value="Circular 4-Facet Prism" />
1160          <xs:enumeration value="Linear 4-Facet Prism" />
1161          <xs:enumeration value="Circular 5-Facet Prism" />
1162          <xs:enumeration value="Linear 5-Facet Prism" />
1163          <xs:enumeration value="Round 5-Facet Prism" />
1164          <xs:enumeration value="Circular 6-Facet Prism" />
1165          <xs:enumeration value="Linear 6-Facet Prism" />
1166          <xs:enumeration value="Round 6-Facet Prism" />
1167          <xs:enumeration value="Round 7-Facet Prism" />
1168          <xs:enumeration value="Circular 8-Facet Prism" />
1169          <xs:enumeration value="Linear 8-Facet Prism" />
1170          <xs:enumeration value="Round 9-Facet Prism" />
1171          <xs:enumeration value="Linear 10-Facet Prism" />
1172          <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1173          <xs:enumeration value="Circular 16-16-Facet Prism" />
1174          <xs:enumeration value="Bar Prism" />
1175          <xs:enumeration value="Comet Prism" />
1176        </xs:restriction>
1177      </xs:simpleType>
1178
1179      <xs:simpleType name="tDmxChannelOffset">
1180        <xs:restriction base="xs:unsignedInt">
1181          <xs:minInclusive value="0"/>
1182          <xs:maxInclusive value="511"/>
1183        </xs:restriction>
1184      </xs:simpleType>
1185
```

```
1230        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1231        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1232        <xs:attribute name="Usage" use="required">
1233          <xs:simpleType>
1234            <xs:restriction base="xs:string">
1235              <xs:enumeration value="Snap" />
1236              <xs:enumeration value="Range" />
1237            </xs:restriction>
1238          </xs:simpleType>
1239        </xs:attribute>
1240        <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1241        <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1242        <xs:attribute name="Description" type="xs:string" use="required"/>
1243        <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1244      </xs:complexType>
1245
1246      <xs:complexType name="tPresetScrollCommand">
1247        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1248        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1249        <xs:attribute name="ToMode" use="required">
1250          <xs:simpleType>
1251            <xs:restriction base="xs:string">
1252              <xs:enumeration value="Forward" />
1253              <xs:enumeration value="Reverse" />
1254              <xs:enumeration value="Bounce" />
1255              <xs:enumeration value="Random" />
1256              <xs:enumeration value="Sound" />
1257              <xs:enumeration value="Stop" />
1258            </xs:restriction>
1259          </xs:simpleType>
1260        </xs:attribute>
1261      </xs:complexType>
1262
1263      <xs:complexType name="tTextCommand">
1264        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1265        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1266        <xs:attribute name="Description" type="xs:string" use="required"/>
1267        <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1268      </xs:complexType>
1269
1270      <!-- Common simple types-->
1271      <xs:simpleType name="tGoboType">
1272        <xs:restriction base="xs:string">
1273          <xs:enumeration value="Pattern" />
1274          <xs:enumeration value="Animation Disc" />
1275          <xs:enumeration value="Linear 2-Facet Prism" />
1276          <xs:enumeration value="Circular 3-Facet Prism" />
1277          <xs:enumeration value="Circular 4-Facet Prism" />
1278          <xs:enumeration value="Linear 4-Facet Prism" />
1279          <xs:enumeration value="Circular 5-Facet Prism" />
1280          <xs:enumeration value="Linear 5-Facet Prism" />
1281          <xs:enumeration value="Round 5-Facet Prism" />
1282          <xs:enumeration value="Circular 6-Facet Prism" />
1283          <xs:enumeration value="Linear 6-Facet Prism" />
1284          <xs:enumeration value="Round 6-Facet Prism" />
1285          <xs:enumeration value="Round 7-Facet Prism" />
1286          <xs:enumeration value="Circular 8-Facet Prism" />
1287          <xs:enumeration value="Linear 8-Facet Prism" />
1288          <xs:enumeration value="Round 9-Facet Prism" />
1289          <xs:enumeration value="Linear 10-Facet Prism" />
1290          <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1291          <xs:enumeration value="Circular 16-16-Facet Prism" />
1292          <xs:enumeration value="Bar Prism" />
1293          <xs:enumeration value="Comet Prism" />
1294        </xs:restriction>
1295      </xs:simpleType>
1296
1297      <xs:simpleType name="tDmxChannelOffset">
1298        <xs:restriction base="xs:unsignedInt">
1299          <xs:minInclusive value="0"/>
1300          <xs:maxInclusive value="511"/>
1301        </xs:restriction>
1302      </xs:simpleType>
1303
```

```
1186  <xs:simpleType name="tControlLayer">                          1304  <xs:simpleType name="tControlLayer">
1187    <xs:restriction base="xs:string">                          1305    <xs:restriction base="xs:string">
1188      <xs:enumeration value="Individual" />                    1306      <xs:enumeration value="Individual" />
1189      <xs:enumeration value="Group" />                         1307      <xs:enumeration value="Group" />
1190    </xs:restriction>                                          1308    </xs:restriction>
1191  </xs:simpleType>                                             1309  </xs:simpleType>
1192                                                               1310
1193  <xs:simpleType name="tSimpleRangeValue">                     1311  <xs:simpleType name="tSimpleRangeValue">
1194    <xs:restriction base="xs:float">                           1312    <xs:restriction base="xs:float">
1195      <xs:minInclusive value="0"/>                             1313      <xs:minInclusive value="0"/>
1196      <xs:maxInclusive value="1"/>                             1314      <xs:maxInclusive value="1"/>
1197    </xs:restriction>                                          1315    </xs:restriction>
1198  </xs:simpleType>                                             1316  </xs:simpleType>
1199                                                               1317
1200  <xs:simpleType name="tWideRangeValue">                       1318  <xs:simpleType name="tWideRangeValue">
1201    <xs:restriction base="xs:float">                           1319    <xs:restriction base="xs:float">
1202      <xs:minInclusive value="-1"/>                            1320      <xs:minInclusive value="-1"/>
1203      <xs:maxInclusive value="1"/>                             1321      <xs:maxInclusive value="1"/>
1204    </xs:restriction>                                          1322    </xs:restriction>
1205  </xs:simpleType>                                             1323  </xs:simpleType>
1206                                                               1324
1207  <xs:simpleType name="tUnboundedRangeValue">                  1325  <xs:simpleType name="tUnboundedRangeValue">
1208    <xs:restriction base="xs:float"/>                          1326    <xs:restriction base="xs:float"/>
1209  </xs:simpleType>                                             1327  </xs:simpleType>
1210                                                               1328
1211  <xs:simpleType name="tTimeRangeValue">                       1329  <xs:simpleType name="tTimeRangeValue">
1212   <xs:restriction base="xs:float">                            1330    <xs:restriction base="xs:float">
1213      <xs:minInclusive value="0"/>                             1331      <xs:minInclusive value="0"/>
1214    </xs:restriction>                                          1332    </xs:restriction>
1215  </xs:simpleType>                                             1333  </xs:simpleType>
1216                                                               1334
                                                                   1335  <xs:simpleType name="tColorRenderingIndexRangeValue">
                                                                   1336    <xs:restriction base="xs:float">
                                                                   1337      <xs:minInclusive value="0"/>
                                                                   1338      <xs:maxInclusive value="100"/>
                                                                   1339    </xs:restriction>
                                                                   1340  </xs:simpleType>
                                                                   1341
1217  <xs:simpleType name="tColorTemperatureRangeValue">           1342  <xs:simpleType name="tColorTemperatureRangeValue">
1218    <xs:restriction base="xs:float">                           1343    <xs:restriction base="xs:float">
1219      <xs:minInclusive value="0"/>                             1344      <xs:minInclusive value="0"/>
1220      <xs:maxInclusive value="30000"/>                         1345      <xs:maxInclusive value="30000"/>
1221    </xs:restriction>                                          1346    </xs:restriction>
1222  </xs:simpleType>                                             1347  </xs:simpleType>
1223                                                               1348
1224  <xs:simpleType name="tFramingShutterDepthValue">             1349  <xs:simpleType name="tFramingShutterDepthValue">
1225    <xs:restriction base="xs:float">                           1350    <xs:restriction base="xs:float">
1226      <xs:minInclusive value="0"/>                             1351      <xs:minInclusive value="0"/>
1227      <xs:maxInclusive value="2"/>                             1352      <xs:maxInclusive value="2"/>
1228    </xs:restriction>                                          1353    </xs:restriction>
1229  </xs:simpleType>                                             1354  </xs:simpleType>
1230                                                               1355
1231  <xs:simpleType name="tFramingShutterAngleValue">             1356  <xs:simpleType name="tFramingShutterAngleValue">
1232    <xs:restriction base="xs:float">                           1357    <xs:restriction base="xs:float">
1233      <xs:minInclusive value="-360"/>                          1358      <xs:minInclusive value="-360"/>
1234      <xs:maxInclusive value="360"/>                           1359      <xs:maxInclusive value="360"/>
1235    </xs:restriction>                                          1360    </xs:restriction>
1236  </xs:simpleType>                                             1361  </xs:simpleType>
1237                                                               1362
1238  <xs:simpleType name="tOnOff">                                1363  <xs:simpleType name="tOnOff">
1239    <xs:restriction base="xs:string">                          1364    <xs:restriction base="xs:string">
1240      <xs:enumeration value="On" />                            1365      <xs:enumeration value="On" />
1241      <xs:enumeration value="Off" />                           1366      <xs:enumeration value="Off" />
1242    </xs:restriction>                                          1367    </xs:restriction>
1243  </xs:simpleType>                                             1368  </xs:simpleType>
1244                                                               1369
1245  <xs:simpleType name="tStrobeMode">                           1370  <xs:simpleType name="tStrobeMode">
1246    <xs:restriction base="xs:string">                          1371    <xs:restriction base="xs:string">
1247      <xs:enumeration value="Linear" />                        1372      <xs:enumeration value="Linear" />
1248      <xs:enumeration value="Random" />                        1373      <xs:enumeration value="Random" />
1249      <xs:enumeration value="ApertureRandom" />                1374      <xs:enumeration value="ApertureRandom" />
1250      <xs:enumeration value="SynchronizedRandom" />            1375      <xs:enumeration value="SynchronizedRandom" />
1251      <xs:enumeration value="Lightning" />                     1376      <xs:enumeration value="Lightning" />
1252      <xs:enumeration value="Spikes" />                        1377      <xs:enumeration value="Spikes" />
```

```
1253        </xs:restriction>
1254    </xs:simpleType>
1255
1256    <xs:simpleType name="tStrobeTransition">
1257        <xs:restriction base="xs:string">
1258            <xs:enumeration value="RampRamp" />
1259            <xs:enumeration value="RampSnap" />
1260            <xs:enumeration value="SnapRamp" />
1261            <xs:enumeration value="SnapSnap" />
1262        </xs:restriction>
1263    </xs:simpleType>
1264
1265    <xs:simpleType name="tWheelIndex">
1266        <xs:restriction base="xs:unsignedInt">
1267            <xs:minInclusive value="1"/>
1268        </xs:restriction>
1269    </xs:simpleType>
1270
1271    <xs:simpleType name="tFramingShutterIndex">
1272        <xs:restriction base="xs:unsignedInt">
1273            <xs:minInclusive value="1"/>
1274            <xs:maxInclusive value="4"/>
1275        </xs:restriction>
1276    </xs:simpleType>
1277
1278    <xs:simpleType name="tAxisIndex">
1279      <xs:restriction base="xs:unsignedInt">
1280        <xs:minInclusive value="1"/>
1281      </xs:restriction>
1282    </xs:simpleType>
1283
1284   <xs:simpleType name="tLightMode">
1285        <xs:restriction base="xs:string">
1286            <xs:enumeration value="Direct" />
1287            <xs:enumeration value="ColorTemperature" />
1288            <xs:enumeration value="ColorTemperaturePlus" />
1289            <xs:enumeration value="RGB" />
1290            <xs:enumeration value="RGBPlus" />
1291            <xs:enumeration value="HSV" />
1292            <xs:enumeration value="HSVPlus" />
1293        </xs:restriction>
1294    </xs:simpleType>
1295
1296    <xs:simpleType name="tWheelMode">
1297        <xs:restriction base="xs:string">
1298            <xs:enumeration value="Indexed" />
1299            <xs:enumeration value="Continuous" />
1300            <xs:enumeration value="Mixed" />
1301            <xs:enumeration value="Spinning" />
1302            <xs:enumeration value="Oscillating" />
1303        </xs:restriction>
1304    </xs:simpleType>
1305
1306    <xs:simpleType name="tWheelFrameMode">
1307        <xs:restriction base="xs:string">
1308            <xs:enumeration value="Indexed" />
1309            <xs:enumeration value="Spinning" />
1310        </xs:restriction>
1311    </xs:simpleType>
1312
1313    <xs:simpleType name="tWheelSpinDirection">
1314        <xs:restriction base="xs:string">
1315            <xs:enumeration value="Forward" />
1316            <xs:enumeration value="Reverse" />
1317        </xs:restriction>
1318    </xs:simpleType>
1319
1320    <xs:simpleType name="tBoolean">
1321        <xs:restriction base="xs:string">
1322            <xs:enumeration value="True" />
1323            <xs:enumeration value="False" />
1324        </xs:restriction>
1325    </xs:simpleType>
1326

1378        </xs:restriction>
1379    </xs:simpleType>
1380
1381    <xs:simpleType name="tStrobeTransition">
1382        <xs:restriction base="xs:string">
1383            <xs:enumeration value="RampRamp" />
1384            <xs:enumeration value="RampSnap" />
1385            <xs:enumeration value="SnapRamp" />
1386            <xs:enumeration value="SnapSnap" />
1387        </xs:restriction>
1388    </xs:simpleType>
1389
1390    <xs:simpleType name="tWheelIndex">
1391        <xs:restriction base="xs:unsignedInt">
1392            <xs:minInclusive value="1"/>
1393        </xs:restriction>
1394    </xs:simpleType>
1395
1396    <xs:simpleType name="tFramingShutterIndex">
1397        <xs:restriction base="xs:unsignedInt">
1398            <xs:minInclusive value="1"/>
1399            <xs:maxInclusive value="4"/>
1400        </xs:restriction>
1401    </xs:simpleType>
1402
1403    <xs:simpleType name="tAxisIndex">
1404        <xs:restriction base="xs:unsignedInt">
1405            <xs:minInclusive value="1"/>
1406        </xs:restriction>
1407    </xs:simpleType>
1408
1409    <xs:simpleType name="tLightMode">
1410        <xs:restriction base="xs:string">
1411            <xs:enumeration value="Direct" />
1412            <xs:enumeration value="ColorTemperature" />
1413            <xs:enumeration value="ColorTemperaturePlus" />
1414            <xs:enumeration value="RGB" />
1415            <xs:enumeration value="RGBPlus" />
1416            <xs:enumeration value="HSV" />
1417            <xs:enumeration value="HSVPlus" />
1418        </xs:restriction>
1419    </xs:simpleType>
1420
1421    <xs:simpleType name="tWheelMode">
1422        <xs:restriction base="xs:string">
1423            <xs:enumeration value="Indexed" />
1424            <xs:enumeration value="Continuous" />
1425            <xs:enumeration value="Mixed" />
1426            <xs:enumeration value="Spinning" />
1427            <xs:enumeration value="Oscillating" />
1428        </xs:restriction>
1429    </xs:simpleType>
1430
1431    <xs:simpleType name="tWheelFrameMode">
1432        <xs:restriction base="xs:string">
1433            <xs:enumeration value="Indexed" />
1434            <xs:enumeration value="Spinning" />
1435        </xs:restriction>
1436    </xs:simpleType>
1437
1438    <xs:simpleType name="tWheelSpinDirection">
1439        <xs:restriction base="xs:string">
1440            <xs:enumeration value="Forward" />
1441            <xs:enumeration value="Reverse" />
1442        </xs:restriction>
1443    </xs:simpleType>
1444
1445    <xs:simpleType name="tBoolean">
1446        <xs:restriction base="xs:string">
1447            <xs:enumeration value="True" />
1448            <xs:enumeration value="False" />
1449        </xs:restriction>
1450    </xs:simpleType>
1451
```