Araxis Merge File Comparison Report

Produced by **Araxis Merge** on **2024-01-31 11:49:23 Västeuropa, normaltid**. 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_2.8.0.xsd	2022-10-26 14:08:22 Västeuropa, normaltid
2	C:\Source\AB Guide	AtlaBase.CommonExportFormat_2.9.0.xsd	2024-01-31 11:46:28 Västeuropa, normaltid

2. Comparison summary

Description	Between Files 1 and 2	
	Text Blocks	Lines
Unchanged	10	3548
Changed	3	10
Inserted	6	79
Removed	0	0

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_2.8.0"   2    targetNamespace="http://www.atlabase.com/schemas/CommonExportFormat_2.9.0"
 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_2.8.0"   4    xmlns:cef="http://www.atlabase.com/schemas/CommonExportFormat_2.9.0"
 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
29    <!-- Filter -->
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="AnimationDiscRatio" minOccurs="0" maxOccurs="1">
71          <xs:simpleType>
72            <xs:restriction base="xs:float">
73              <xs:minExclusive value="0" />
74              <xs:maxInclusive value="1" />
75            </xs:restriction>
76          </xs:simpleType>
77        </xs:element>
78        <xs:element name="Tags" type="xs:string" minOccurs="0" maxOccurs="1" />
79        <xs:element name="ReplacementGobo" minOccurs="0" maxOccurs="unbounded">
80          <xs:complexType>
81            <xs:attribute name="Identifier" type="xs:string" use="required"/>
82            <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
83          </xs:complexType>
84        </xs:element>
85      </xs:sequence>
86      <xs:attribute name="Identifier" type="xs:string" use="required"/>
87      <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
88      <xs:attribute name="VersionDate" type="xs:date" use="required"/>
89      <xs:attribute name="Brand" type="xs:string" use="required"/>
90      <xs:attribute name="Code" type="xs:string" use="optional"/>
91      <xs:attribute name="Name" type="xs:string" use="optional"/>
92      <xs:attribute name="PartNo" type="xs:string" use="optional"/>
93      <xs:attribute name="Origin" type="xs:string" use="optional"/>
94    </xs:complexType>
95
96    <!-- Fixture-->
```

```
 97     <xs:complexType name="tFixture">
 98       <xs:sequence>
 99         <xs:element name="Class" type="xs:string" minOccurs="1" maxOccurs="1"/>
100         <xs:element name="Category" type="xs:string" minOccurs="1" maxOccurs="1"/>
101         <xs:element name="SymbolIdentifier" type="xs:string" minOccurs="0" maxOccurs="1"/>
102         <xs:element name="RDM" minOccurs="0" maxOccurs="1">
103           <xs:complexType>
104             <xs:sequence>
105               <xs:element name="ManufacturerId" minOccurs="1" maxOccurs="1">
106                 <xs:simpleType>
107                   <xs:restriction base="xs:unsignedShort">
108                     <xs:minInclusive value="1"/>
109                     <xs:maxInclusive value="32767"/>
110                   </xs:restriction>
111                 </xs:simpleType>
112               </xs:element>
113               <xs:element name="DeviceModelId" type="xs:unsignedShort" minOccurs="1" maxOccu
rs="1"/>
114             </xs:sequence>
115           </xs:complexType>
116         </xs:element>
117         <xs:element name="Weight" type="xs:string" minOccurs="1" maxOccurs="1"/>
118         <xs:element name="Wattage" type="xs:string" minOccurs="1" maxOccurs="1"/>
119         <xs:element name="CellCount" type="xs:unsignedShort" minOccurs="1" maxOccurs="1" />
120         <xs:element name="Shutter" minOccurs="1" maxOccurs="1">
121           <xs:complexType>
122             <xs:sequence>
123               <xs:element name="MinFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
124               <xs:element name="MaxFrequency" type="xs:float" minOccurs="1" maxOccurs="1"/>
125               <xs:element name="MinDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
126               <xs:element name="MaxDuration" type="xs:float" minOccurs="1" maxOccurs="1"/>
127             </xs:sequence>
128           </xs:complexType>
129         </xs:element>
130         <xs:element name="FramingShutters" minOccurs="1" maxOccurs="1">
131           <xs:simpleType>
132             <xs:restriction base="xs:string">
133               <xs:enumeration value="None" />
134               <xs:enumeration value="OrthogonalSinglePointShutters" />
135               <xs:enumeration value="OrthogonalTwoPointShutters" />
136               <xs:enumeration value="PerimetralSinglePointShutters" />
137               <xs:enumeration value="ExternalBarndoors" />
138               <xs:enumeration value="InternalBarndoors" />
139             </xs:restriction>
140           </xs:simpleType>
141         </xs:element>
142         <xs:element name="ColorFlags" minOccurs="0" maxOccurs="1">
143           <xs:complexType>
144             <xs:sequence>
145               <xs:element name="Cyan" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="
1" />
146               <xs:element name="Magenta" type="cef:tFixtureColorFlag" minOccurs="0" maxOccur
s="1" />
147               <xs:element name="Yellow" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs
="1" />
148               <xs:element name="CTO" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1
" />
149               <xs:element name="CTB" type="cef:tFixtureColorFlag" minOccurs="0" maxOccurs="1
" />
150             </xs:sequence>
151           </xs:complexType>
152         </xs:element>
153         <xs:element name="FrostFlags" minOccurs="0" maxOccurs="1">
154           <xs:complexType>
155             <xs:sequence>
156               <xs:element name="Flag" minOccurs="1" maxOccurs="unbounded">
157                 <xs:complexType>
158                   <xs:attribute name="Name" type="xs:string" use="optional" />
159                   <xs:attribute name="Frost" type="cef:tPositiveFloat" use="required" />
```

```
160                    <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
161                </xs:complexType>
162            </xs:element>
163        </xs:sequence>
164    </xs:complexType>
165 </xs:element>
166 <xs:element name="Axis" minOccurs="0" maxOccurs="unbounded">
167    <xs:complexType>
168      <xs:sequence>
169        <xs:element name="Range" type="xs:float" minOccurs="1" maxOccurs="1" />
170        <xs:element name="Trim" type="xs:float" minOccurs="1" maxOccurs="1" />
171        <xs:element name="Inverse" type="cef:tBoolean" minOccurs="1" maxOccurs="1" />
172        <xs:element name="MinTime" type="xs:float" minOccurs="1" maxOccurs="1" />
173      </xs:sequence>
174      <xs:attribute name="Name" type="cef:tFixtureAxisName" use="required" />
175      <xs:attribute name="Index" type="xs:unsignedByte" use="required" />
176    </xs:complexType>
177 </xs:element>
178 <xs:element name="Part" minOccurs="0" maxOccurs="unbounded">
179    <xs:complexType>
180      <xs:sequence>
181        <xs:element name="Host" minOccurs="0" maxOccurs="1">
182          <xs:complexType>
183            <xs:attribute name="PartName" type="xs:string" use="required" />
184            <xs:attribute name="AxisName" type="cef:tFixtureAxisName" use="required" />
185            <xs:attribute name="AxisIndex" type="xs:unsignedByte" use="required" />
186          </xs:complexType>
187        </xs:element>
188        <xs:element name="Model" minOccurs="0" maxOccurs="1">
189          <xs:complexType>
190            <xs:sequence>
191              <xs:element name="Shape" minOccurs="1" maxOccurs="1">
192                <xs:simpleType>
193                  <xs:restriction base="xs:string">
194                    <xs:enumeration value="Box" />
195                    <xs:enumeration value="Tube" />
196                    <xs:enumeration value="Sphere" />
197                    <xs:enumeration value="PAR" />
198                    <xs:enumeration value="TubeWithBox" />
199                    <xs:enumeration value="ConeWithTube" />
200                    <xs:enumeration value="SymmetricEgg" />
201                    <xs:enumeration value="FlatBottomEgg" />
202                    <xs:enumeration value="FlatBottomTubeEgg" />
203                    <xs:enumeration value="Scanner" />
204                    <xs:enumeration value="YokeBase" />
205                    <xs:enumeration value="YokeArm" />
206                    <xs:enumeration value="FrontmountBox" />
207                    <xs:enumeration value="FrontmountTube" />
208                    <xs:enumeration value="FrontmountScanner" />
209                  </xs:restriction>
210                </xs:simpleType>
211              </xs:element>
212              <xs:element name="Width" type="xs:float" minOccurs="1" maxOccurs="1" />
213              <xs:element name="Height" type="xs:float" minOccurs="1" maxOccurs="1" />
214              <xs:element name="Length" type="xs:float" minOccurs="1" maxOccurs="1" />
215              <xs:element name="Aperture" type="xs:float" minOccurs="1" maxOccurs="1"
    />
216            </xs:sequence>
217          </xs:complexType>
218        </xs:element>
219      </xs:sequence>
220      <xs:attribute name="Name" type="xs:string" use="required" />
221    </xs:complexType>
222 </xs:element>
223 <xs:element name="LightSource" minOccurs="0" maxOccurs="unbounded">
224    <xs:complexType>
225      <xs:sequence>
226        <xs:element name="Host" minOccurs="0" maxOccurs="1">
227          <xs:complexType>
```

```xml
228                     <xs:attribute name="PartName" type="xs:string" use="required" />
229                 </xs:complexType>
230             </xs:element>
231             <xs:element name="Location" minOccurs="0" maxOccurs="1">
232                 <xs:complexType>
233                     <xs:sequence>
234                         <xs:element name="Center" minOccurs="1" maxOccurs="1">
235                             <xs:complexType>
236                                 <xs:attribute name="X" type="xs:float" use="required" />
237                                 <xs:attribute name="Y" type="xs:float" use="required" />
238                                 <xs:attribute name="Z" type="xs:float" use="required" />
239                             </xs:complexType>
240                         </xs:element>
241                         <xs:element name="Direction" minOccurs="1" maxOccurs="1">
242                             <xs:complexType>
243                                 <xs:attribute name="X" type="xs:float" use="required" />
244                                 <xs:attribute name="Y" type="xs:float" use="required" />
245                                 <xs:attribute name="Z" type="xs:float" use="required" />
246                             </xs:complexType>
247                         </xs:element>
248                         <xs:element name="Normal" minOccurs="1" maxOccurs="1">
249                             <xs:complexType>
250                                 <xs:attribute name="X" type="xs:float" use="required" />
251                                 <xs:attribute name="Y" type="xs:float" use="required" />
252                                 <xs:attribute name="Z" type="xs:float" use="required" />
253                             </xs:complexType>
254                         </xs:element>
255                     </xs:sequence>
256                 </xs:complexType>
257             </xs:element>
258             <xs:element name="Kind" minOccurs="1" maxOccurs="1">
259                 <xs:simpleType>
260                     <xs:restriction base="xs:string">
261                         <xs:enumeration value="Decoration" />
262                         <xs:enumeration value="Light" />
263                         <xs:enumeration value="VideoProjector" />
264                         <xs:enumeration value="VideoPanel" />
265                         <xs:enumeration value="Laser" />
266                     </xs:restriction>
267                 </xs:simpleType>
268             </xs:element>
269             <xs:element name="VideoResolution" minOccurs="0" maxOccurs="1">
270                 <xs:complexType>
271                     <xs:attribute name="Horizontal" type="xs:unsignedShort" use="required" />
272                     <xs:attribute name="Vertical" type="xs:unsignedShort" use="required" />
273                 </xs:complexType>
274             </xs:element>
275             <xs:element name="Colours" minOccurs="0" maxOccurs="1">
276                 <xs:complexType>
277                     <xs:sequence>
278                         <xs:element name="White" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
279                         <xs:element name="Red" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
280                         <xs:element name="Green" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
281                         <xs:element name="Blue" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
282                         <xs:element name="Auxiliary1" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
283                         <xs:element name="Auxiliary2" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
284                         <xs:element name="Auxiliary3" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
285                         <xs:element name="Auxiliary4" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
286                         <xs:element name="Auxiliary5" type="cef:tFixtureLightSourceColour" minOccurs="0" maxOccurs="1" />
287                     </xs:sequence>
```

```xml
288                </xs:complexType>
289              </xs:element>
290              <xs:element name="ColourMixing" minOccurs="1" maxOccurs="1">
291                <xs:complexType>
292                  <xs:sequence>
293                    <xs:element name="ShutterRelation" minOccurs="1" maxOccurs="1">
294                      <xs:simpleType>
295                        <xs:restriction base="xs:string">
296                          <xs:enumeration value="Separated" />
297                          <xs:enumeration value="Integrated" />
298                        </xs:restriction>
299                      </xs:simpleType>
300                    </xs:element>
301                    <xs:element name="CIE" minOccurs="0" maxOccurs="1">
302                      <xs:complexType>
303                        <xs:attribute name="ChromaticityXMin" type="cef:tChromaticityValue"
     use="required" />
304                        <xs:attribute name="ChromaticityXMax" type="cef:tChromaticityValue"
     use="required" />
305                        <xs:attribute name="ChromaticityYMin" type="cef:tChromaticityValue"
     use="required" />
306                        <xs:attribute name="ChromaticityYMax" type="cef:tChromaticityValue"
     use="required" />
307                      </xs:complexType>
308                    </xs:element>
309                  </xs:sequence>
310                </xs:complexType>
311              </xs:element>
312              <xs:element name="Optics" minOccurs="0" maxOccurs="unbounded">
313                <xs:complexType>
314                  <xs:sequence>
315                    <xs:element name="Wattage" type="xs:float" minOccurs="1" maxOccurs="1" />
316                    <xs:element name="Shift" minOccurs="0" maxOccurs="1">
317                      <xs:complexType>
318                        <xs:sequence>
319                          <xs:element name="MaxHorizontal" type="cef:tPositiveFloat" minOccurs="1" maxOccurs="1" />
320                          <xs:element name="MaxVerticalNegative" type="cef:tPositiveFloat" minOccurs="1" maxOccurs="1" />
321                          <xs:element name="MaxVerticalPositive" type="cef:tPositiveFloat" minOccurs="1" maxOccurs="1" />
322                        </xs:sequence>
323                      </xs:complexType>
324                    </xs:element>
325                    <xs:element name="Narrow" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0" maxOccurs="1" />
326                    <xs:element name="Wide" type="cef:tFixtureLightSourceOpticTraits" minOccurs="0" maxOccurs="1" />
327                  </xs:sequence>
328                  <xs:attribute name="Identifier" type="xs:string" use="required"/>
329                  <xs:attribute name="Name" type="xs:string" use="required"/>
330                </xs:complexType>
331              </xs:element>
332              <xs:element name="ApertureType" minOccurs="1" maxOccurs="1">
333                <xs:simpleType>
334                  <xs:restriction base="xs:string">
335                    <xs:enumeration value="RoundProfile" />
336                    <xs:enumeration value="SquareSharp" />
337                    <xs:enumeration value="RoundPC" />
338                    <xs:enumeration value="RoundFresnel" />
339                    <xs:enumeration value="RoundPAR" />
340                    <xs:enumeration value="SquareSymmetric" />
341                    <xs:enumeration value="SquareAssymetric" />
342                    <xs:enumeration value="RoundLambertian" />
343                    <xs:enumeration value="SquareLambertian" />
344                    <xs:enumeration value="SquarePanel" />
345                    <xs:enumeration value="DonutLambertian" />
346                    <xs:enumeration value="DonutSymmetric" />
347                    <xs:enumeration value="RoundBeam" />
```

```
348            <xs:enumeration value="Spherical" />
349          </xs:restriction>
350        </xs:simpleType>
351      </xs:element>
352      <xs:element name="Aperture" minOccurs="0" maxOccurs="unbounded">
353        <xs:complexType>
354          <xs:attribute name="Cell" type="xs:unsignedInt" use="required" />
355          <xs:attribute name="X" type="xs:float" use="required" />
356          <xs:attribute name="Y" type="xs:float" use="required" />
357          <xs:attribute name="Diameter" type="xs:float" use="optional" />
358          <xs:attribute name="Width" type="xs:float" use="optional" />
359          <xs:attribute name="Height" type="xs:float" use="optional" />
360          <xs:attribute name="PixelPitch" type="xs:float" use="optional" />
361          <xs:attribute name="PixelSize" type="xs:float" use="optional" />
362          <xs:attribute name="InnerDiameter" type="xs:float" use="optional" />
363          <xs:attribute name="OuterDiameter" type="xs:float" use="optional" />
364          <xs:attribute name="StartAngle" type="xs:float" use="optional" />
365          <xs:attribute name="EndAngle" type="xs:float" use="optional" />
366        </xs:complexType>
367      </xs:element>
368    </xs:sequence>
369    <xs:attribute name="Name" type="xs:string" use="optional"/>
370  </xs:complexType>
371 </xs:element>
372 <xs:element name="Wheel" minOccurs="0" maxOccurs="unbounded">
373    <xs:complexType>
374      <xs:sequence>
375        <xs:element name="Type" minOccurs="1" maxOccurs="1">
376          <xs:simpleType>
377            <xs:restriction base="xs:string">
378              <xs:enumeration value="Wheel" />
379              <xs:enumeration value="Scroller" />
380            </xs:restriction>
381          </xs:simpleType>
382        </xs:element>
383        <xs:element name="MinRotationTime" type="xs:float" minOccurs="1" maxOccurs="1" />
384        <xs:element name="MaxRotationTime" type="xs:float" minOccurs="1" maxOccurs="1" />
385        <xs:element name="MinFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
386        <xs:element name="MaxFrameRotationTime" type="xs:float" minOccurs="1" maxOccurs="1"/>
387        <xs:element name="Slots">
388          <xs:complexType>
389            <xs:choice minOccurs="0" maxOccurs="unbounded">
390              <xs:element name="Open">
391                <xs:complexType></xs:complexType>
392              </xs:element>
393              <xs:element name="Filter">
394                <xs:complexType>
395                  <xs:attribute name="Identifier" type="xs:string" use="required"/>
396                  <xs:attribute name="Brand" type="xs:string" use="required"/>
397                  <xs:attribute name="Code" type="xs:string" use="optional"/>
398                  <xs:attribute name="Name" type="xs:string" use="optional"/>
399                  <xs:attribute name="PartNo" type="xs:string" use="optional"/>
400                  <xs:attribute name="Origin" type="xs:string" use="optional"/>
401                </xs:complexType>
402              </xs:element>
403              <xs:element name="Gobo">
404                <xs:complexType>
405                  <xs:attribute name="Identifier" type="xs:string" use="required"/>
406                  <xs:attribute name="Brand" type="xs:string" use="required"/>
407                  <xs:attribute name="Code" type="xs:string" use="optional"/>
408                  <xs:attribute name="Name" type="xs:string" use="optional"/>
409                  <xs:attribute name="PartNo" type="xs:string" use="optional"/>
410                  <xs:attribute name="Origin" type="xs:string" use="optional"/>
411                  <xs:attribute name="Type" type="cef:tGoboType" use="required"/>
412                </xs:complexType>
```

```
413                </xs:element>
414              </xs:choice>
415            </xs:complexType>
416          </xs:element>
417        </xs:sequence>
418        <xs:attribute name="Identifier" type="xs:string" use="required"/>
419        <xs:attribute name="Name" type="xs:string" use="required"/>
420        <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
421      </xs:complexType>
422    </xs:element>
423    <xs:element name="DmxMode" minOccurs="0" maxOccurs="unbounded">
424      <xs:complexType>
425        <xs:sequence>
426          <xs:element name="Option" minOccurs="0" maxOccurs="unbounded">
427            <xs:complexType>
428              <xs:attribute name="Name" type="xs:string" use="required" />
429              <xs:attribute name="Type" use="required">
430                <xs:simpleType>
431                  <xs:restriction base="xs:string">
432                    <xs:enumeration value="Integer" />
433                    <xs:enumeration value="Boolean" />
434                    <xs:enumeration value="Text" />
435                  </xs:restriction>
436                </xs:simpleType>
437              </xs:attribute>
438              <xs:attribute name="Value" type="xs:string" use="required" />
439            </xs:complexType>
440          </xs:element>
441          <xs:element name="ChannelLayout" minOccurs="1" maxOccurs="1">
442            <xs:complexType>
443              <xs:sequence>
444                <xs:element name="Channel" minOccurs="0" maxOccurs="512">
445                  <xs:complexType>
446                    <xs:choice minOccurs="0" maxOccurs="unbounded">
447                      <!-- Additive light output -->
448                      <xs:element name="SetLightSuperIntensityLevel" type="cef:tSimpleCellLevelCommand" minOccurs="0" maxOccurs="unbounded" />
449                      <xs:element name="SetLightEnabled" type="cef:tSetCellLightEnabledCommand" minOccurs="0" maxOccurs="unbounded" />
450                      <xs:element name="SetLightIntensityLevel" type="cef:tSimpleCellLevelCommand" minOccurs="0" maxOccurs="unbounded" />
451                      <xs:element name="SetLightColorRenderingIndex" type="cef:tSetCellLightColorRenderingIndexLevelCommand" minOccurs="0" maxOccurs="unbounded" />
452                      <xs:element name="SetLightMode" type="cef:tSetLightModeCommand" minOccurs="0" maxOccurs="unbounded" />
453                      <xs:element name="SetLightModesMixLevel" type="cef:tSetLightModesMixLevelCommand" minOccurs="0" maxOccurs="unbounded" />
454                      <xs:element name="SetWhiteLightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
455                      <xs:element name="SetRedLightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
456                      <xs:element name="SetGreenLightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
457                      <xs:element name="SetBlueLightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
458                      <xs:element name="SetAuxColor1LightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
459                      <xs:element name="SetAuxColor2LightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
460                      <xs:element name="SetAuxColor3LightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
461                      <xs:element name="SetAuxColor4LightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
462                      <xs:element name="SetAuxColor5LightLevel" type="cef:tSetCellLightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
463                      <xs:element name="SetLightColorTemperatureLevel" type="cef:tSetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbounded" />
464                      <xs:element name="SetLightColorTemperatureLevelRange" type="cef:tSetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbounded" />
```

```
465            <xs:element name="SetLightRangedColorTemperatureLevel"
    type="cef:tSetCellLightLevelCommand" minOccurs="0" maxOccurs="unbounded" />
```

Left column:
```
464            <xs:element name="SetLightRedLevel" type="cef:tSetCellLightLevelCo
mmand" minOccurs="0" maxOccurs="unbounded" />
465            <xs:element name="SetLightGreenLevel" type="cef:tSetCellLightLevel
Command" minOccurs="0" maxOccurs="unbounded" />
466            <xs:element name="SetLightBlueLevel" type="cef:tSetCellLightLevelC
ommand" minOccurs="0" maxOccurs="unbounded" />
467            <xs:element name="SetLightHueLevel" type="cef:tSetCellLightLevelCo
mmand" minOccurs="0" maxOccurs="unbounded" />
468            <xs:element name="SetLightSaturationLevel" type="cef:tSetCellLight
LevelCommand" minOccurs="0" maxOccurs="unbounded" />
469            <xs:element name="SetLightValueLevel" type="cef:tSetCellLightLevel
Command" minOccurs="0" maxOccurs="unbounded" />
470            <xs:element name="SetLightChromaticityXLevel" type="cef:tSetCellLi
ghtLevelCommand" minOccurs="0" maxOccurs="unbounded" />
471            <xs:element name="SetLightChromaticityYLevel" type="cef:tSetCellLi
ghtLevelCommand" minOccurs="0" maxOccurs="unbounded" />
472            <xs:element name="SetLightLuminanceLevel" type="cef:tSetCellLightL
evelCommand" minOccurs="0" maxOccurs="unbounded" />


473            <xs:element name="SetLightTargetColorTemperatureLevel" type="cef:t
SetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbounded" />
474            <xs:element name="SetLightTargetColorTintLevel" type="cef:tSetCell
LightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
475            <xs:element name="CustomLightCommand" type="cef:tCustomCommand" mi
nOccurs="0" maxOccurs="unbounded" />
476            <!-- Dousing -->
477            <xs:element name="SetBlinderLevel" type="cef:tSimpleCellLevelComma
nd" minOccurs="0" maxOccurs="unbounded" />
478            <xs:element name="SetShutterOpen" type="cef:tSetShutterCommand" mi
nOccurs="0" maxOccurs="unbounded" />
479            <xs:element name="SetShutterClosed" type="cef:tSetShutterCommand"
minOccurs="0" maxOccurs="unbounded" />
480            <xs:element name="DoShutterFlash" type="cef:tSetShutterCommand" mi
nOccurs="0" maxOccurs="unbounded" />
481            <xs:element name="SetShutterStrobe" type="cef:tSetShutterStrobeCom
mand" minOccurs="0" maxOccurs="unbounded" />
482            <xs:element name="SetShutterSpeed" type="cef:tSetShutterStrobeVari
ableRateCommand" minOccurs="0" maxOccurs="unbounded" />
483            <xs:element name="SetShutterSpeedOpen" type="cef:tSetShutterStrobe
RateCommand" minOccurs="0" maxOccurs="unbounded" />
484            <xs:element name="SetShutterSpeedClosed" type="cef:tSetShutterStro
beRateCommand" minOccurs="0" maxOccurs="unbounded" />
485            <xs:element name="SetShutterDuration" type="cef:tSetShutterStrobeD
urationCommand" minOccurs="0" maxOccurs="unbounded" />
486            <xs:element name="CustomShutterCommand" type="cef:tCustomCommand"
minOccurs="0" maxOccurs="unbounded" />
487            <!-- Subtractive color mix -->
488            <xs:element name="SetCyanFlagLevel" type="cef:tSimpleLevelCommand"
 minOccurs="0" maxOccurs="unbounded" />
489            <xs:element name="SetMagentaFlagLevel" type="cef:tSimpleLevelComma
nd" minOccurs="0" maxOccurs="unbounded" />
490            <xs:element name="SetYellowFlagLevel" type="cef:tSimpleLevelComman
d" minOccurs="0" maxOccurs="unbounded" />
491            <xs:element name="SetRedFlagLevel" type="cef:tSimpleLevelCommand"
minOccurs="0" maxOccurs="unbounded" />
492            <xs:element name="SetGreenFlagLevel" type="cef:tSimpleLevelCommand
" minOccurs="0" maxOccurs="unbounded" />
493            <xs:element name="SetBlueFlagLevel" type="cef:tSimpleLevelCommand"
 minOccurs="0" maxOccurs="unbounded" />
494            <xs:element name="SetCTOFlagLevel" type="cef:tSimpleLevelCommand"
minOccurs="0" maxOccurs="unbounded" />
495            <xs:element name="SetCTBFlagLevel" type="cef:tSimpleLevelCommand"
```

Right column:
```
466            <xs:element name="SetLightRedLevel" type="cef:tSetCell
LightLevelCommand" minOccurs="0" maxOccurs="unbounded" />
467            <xs:element name="SetLightGreenLevel" type="cef:tSetCellLightLevel
Command" minOccurs="0" maxOccurs="unbounded" />
468            <xs:element name="SetLightBlueLevel" type="cef:tSetCellLightLevelC
ommand" minOccurs="0" maxOccurs="unbounded" />
469            <xs:element name="SetLightHueLevel" type="cef:tSetCellLightLevelCo
mmand" minOccurs="0" maxOccurs="unbounded" />
470            <xs:element name="SetLightSaturationLevel" type="cef:tSetCellLight
LevelCommand" minOccurs="0" maxOccurs="unbounded" />
471            <xs:element name="SetLightValueLevel" type="cef:tSetCellLightLevel
Command" minOccurs="0" maxOccurs="unbounded" />
472            <xs:element name="SetLightChromaticityXLevel" type="cef:tSetCellLi
ghtLevelCommand" minOccurs="0" maxOccurs="unbounded" />
473            <xs:element name="SetLightChromaticityYLevel" type="cef:tSetCellLi
ghtLevelCommand" minOccurs="0" maxOccurs="unbounded" />
474            <xs:element name="SetLightLuminanceLevel" type="cef:tSetCellLightL
evelCommand" minOccurs="0" maxOccurs="unbounded" />
475            <xs:element name="SelectLightFilterCatalog" type="cef:tSelectLight
FilterCatalogCommand" minOccurs="0" maxOccurs="unbounded" />
476            <xs:element name="SelectLightFilterCollection" type="cef:tSelectLi
ghtFilterCollectionCommand" minOccurs="0" maxOccurs="unbounded" />
477            <xs:element name="SelectLightFilter" type="cef:tSelectLightFilterC
ommand" minOccurs="0" maxOccurs="unbounded" />
478            <xs:element name="SetLightTargetColorTemperatureLevel" type="cef:t
SetCellLightColorTemperatureLevelCommand" minOccurs="0" maxOccurs="unbounded" />
479            <xs:element name="SetLightTargetColorTintLevel" type="cef:tSetCell
LightWideLevelCommand" minOccurs="0" maxOccurs="unbounded" />
480            <xs:element name="CustomLightCommand" type="cef:tCustomCommand" mi
nOccurs="0" maxOccurs="unbounded" />
481            <!-- Dousing -->
482            <xs:element name="SetBlinderLevel" type="cef:tSimpleCellLevelComma
nd" minOccurs="0" maxOccurs="unbounded" />
483            <xs:element name="SetShutterOpen" type="cef:tSetShutterCommand" mi
nOccurs="0" maxOccurs="unbounded" />
484            <xs:element name="SetShutterClosed" type="cef:tSetShutterCommand"
minOccurs="0" maxOccurs="unbounded" />
485            <xs:element name="DoShutterFlash" type="cef:tSetShutterCommand" mi
nOccurs="0" maxOccurs="unbounded" />
486            <xs:element name="SetShutterStrobe" type="cef:tSetShutterStrobeCom
mand" minOccurs="0" maxOccurs="unbounded" />
487            <xs:element name="SetShutterSpeed" type="cef:tSetShutterStrobeVari
ableRateCommand" minOccurs="0" maxOccurs="unbounded" />
488            <xs:element name="SetShutterSpeedOpen" type="cef:tSetShutterStrobe
RateCommand" minOccurs="0" maxOccurs="unbounded" />
489            <xs:element name="SetShutterSpeedClosed" type="cef:tSetShutterStro
beRateCommand" minOccurs="0" maxOccurs="unbounded" />
490            <xs:element name="SetShutterDuration" type="cef:tSetShutterStrobeD
urationCommand" minOccurs="0" maxOccurs="unbounded" />
491            <xs:element name="CustomShutterCommand" type="cef:tCustomCommand"
minOccurs="0" maxOccurs="unbounded" />
492            <!-- Subtractive color mix -->
493            <xs:element name="SetCyanFlagLevel" type="cef:tSimpleLevelCommand"
 minOccurs="0" maxOccurs="unbounded" />
494            <xs:element name="SetMagentaFlagLevel" type="cef:tSimpleLevelComma
nd" minOccurs="0" maxOccurs="unbounded" />
495            <xs:element name="SetYellowFlagLevel" type="cef:tSimpleLevelComman
d" minOccurs="0" maxOccurs="unbounded" />
496            <xs:element name="SetRedFlagLevel" type="cef:tSimpleLevelCommand"
minOccurs="0" maxOccurs="unbounded" />
497            <xs:element name="SetGreenFlagLevel" type="cef:tSimpleLevelCommand
" minOccurs="0" maxOccurs="unbounded" />
498            <xs:element name="SetBlueFlagLevel" type="cef:tSimpleLevelCommand"
 minOccurs="0" maxOccurs="unbounded" />
499            <xs:element name="SetCTOFlagLevel" type="cef:tSimpleLevelCommand"
minOccurs="0" maxOccurs="unbounded" />
500            <xs:element name="SetCTBFlagLevel" type="cef:tSimpleLevelCommand"
```

minOccurs="0" maxOccurs="unbounded" />

Left (old)	Right (new)
minOccurs="0" maxOccurs="unbounded" />	minOccurs="0" maxOccurs="unbounded" />

Left column:

```
     minOccurs="0" maxOccurs="unbounded" />
496                  <xs:element name="SetColorFlagSpeed" type="cef:tSimpleSpeedCommand
     " minOccurs="0" maxOccurs="unbounded" />
497                  <xs:element name="SetColorFlagTime" type="cef:tSimpleTimeCommand"
     minOccurs="0" maxOccurs="unbounded" />
498                  <xs:element name="SetColorFlagShutterMode" type="cef:tShutterOnOff
     Command" minOccurs="0" maxOccurs="unbounded" />
499                  <xs:element name="CustomColorFlagCommand" type="cef:tCustomCommand
     " minOccurs="0" maxOccurs="unbounded" />
500                  <!-- Beam and projection -->
501                  <xs:element name="SetFrostLevel" type="cef:tSetFrostLevelCommand"
     minOccurs="0" maxOccurs="unbounded" />
502                  <xs:element name="SetFrostStrobe" type="cef:tSetFrostStrobeCommand
     " minOccurs="0" maxOccurs="unbounded" />
503                  <xs:element name="CustomFrostCommand" type="cef:tCustomFrostComman
     d" minOccurs="0" maxOccurs="unbounded" />
504                  <xs:element name="SetIrisLevel" type="cef:tSimpleLevelCommand" min
     Occurs="0" maxOccurs="unbounded" />
505                  <xs:element name="SetIrisStrobe" type="cef:tSimpleStrobeCommand" m
     inOccurs="0" maxOccurs="unbounded" />
506                  <xs:element name="CustomIrisCommand" type="cef:tCustomCommand" min
     Occurs="0" maxOccurs="unbounded" />
507                  <xs:element name="SetZoomLevel" type="cef:tSimpleLevelCommand"
     minOccurs="0" maxOccurs="unbounded" />
508                  <xs:element name="SetZoomStrobe" type="cef:tSimpleStrobeCommand"
     minOccurs="0" maxOccurs="unbounded" />
509                  <xs:element name="CustomZoomCommand" type="cef:tCustomCommand"
     minOccurs="0" maxOccurs="unbounded" />
510                  <xs:element name="SetPrismScaleLevel" type="cef:tSimpleLevelComman
     d" minOccurs="0" maxOccurs="unbounded" />
511                  <xs:element name="SetFocusLevel" type="cef:tSimpleLevelCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
512                  <xs:element name="SetFocusMode" type="cef:tSetFocusModeCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
513                  <xs:element name="CustomFocusCommand" type="cef:tCustomCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
514                  <!-- Wheels -->
515                  <xs:element name="SetWheelMode" type="cef:tSetWheelModeCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
516                  <xs:element name="SetWheelSpinDirection" type="cef:tSetWheelSpinDi
     rectionCommand" minOccurs="0" maxOccurs="unbounded" />
517                  <xs:element name="SetWheelPosition" type="cef:tSetWheelPositionCom
     mand" minOccurs="0" maxOccurs="unbounded" />
518                  <xs:element name="SetWheelRandomPositionSpeed" type="cef:tSetWheel
     RandomPositionSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
519                  <xs:element name="SetWheelSpeed" type="cef:tSetWheelSpeedCommand"
     minOccurs="0" maxOccurs="unbounded" />
520                  <xs:element name="SetWheelShutterMode" type="cef:tSetWheelShutterM
     odeCommand" minOccurs="0" maxOccurs="unbounded" />
521                  <xs:element name="SetWheelDepthPosition" type="cef:tSetWheelDepthP
     ositionCommand" minOccurs="0" maxOccurs="unbounded" />
522                  <xs:element name="SetWheelDepthStrobe" type="cef:tSetWheelDepthStr
     obeCommand" minOccurs="0" maxOccurs="unbounded" />
523                  <xs:element name="SetWheelDepthOrientation" type="cef:tSetWheelDep
     thOrientationCommand" minOccurs="0" maxOccurs="unbounded" />
524                  <xs:element name="SetWheelFrameMode" type="cef:tSetWheelFrameModeC
     ommand" minOccurs="0" maxOccurs="unbounded" />
525                  <xs:element name="SetWheelFrameSpinDirection" type="cef:tSetWheelF
     rameSpinDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
526                  <xs:element name="SetWheelFramePosition" type="cef:tSetWheelFrameP
     ositionCommand" minOccurs="0" maxOccurs="unbounded" />
527                  <xs:element name="SetWheelFrameSpeed" type="cef:tSetWheelFrameSpee
     dCommand" minOccurs="0" maxOccurs="unbounded" />
528                  <xs:element name="CustomWheelCommand" type="cef:tCustomWheelComman
     d" minOccurs="0" maxOccurs="unbounded" />
529                  <!-- Framing shutters -->
530                  <xs:element name="SetFramingShutterDepth" type="cef:tSetFramingShu
     tterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
531                  <xs:element name="SetFramingShutterAngle" type="cef:tSetFramingShu
```

Right column:

```
     minOccurs="0" maxOccurs="unbounded" />
501                  <xs:element name="SetColorFlagSpeed" type="cef:tSimpleSpeedCommand
     " minOccurs="0" maxOccurs="unbounded" />
502                  <xs:element name="SetColorFlagTime" type="cef:tSimpleTimeCommand"
     minOccurs="0" maxOccurs="unbounded" />
503                  <xs:element name="SetColorFlagShutterMode" type="cef:tShutterOnOff
     Command" minOccurs="0" maxOccurs="unbounded" />
504                  <xs:element name="CustomColorFlagCommand" type="cef:tCustomCommand
     " minOccurs="0" maxOccurs="unbounded" />
505                  <!-- Beam and projection -->
506                  <xs:element name="SetFrostLevel" type="cef:tSetFrostLevelCommand"
     minOccurs="0" maxOccurs="unbounded" />
507                  <xs:element name="SetFrostStrobe" type="cef:tSetFrostStrobeCommand
     " minOccurs="0" maxOccurs="unbounded" />
508                  <xs:element name="CustomFrostCommand" type="cef:tCustomFrostComman
     d" minOccurs="0" maxOccurs="unbounded" />
509                  <xs:element name="SetIrisLevel" type="cef:tSimpleLevelCommand" min
     Occurs="0" maxOccurs="unbounded" />
510                  <xs:element name="SetIrisStrobe" type="cef:tSimpleStrobeCommand" m
     inOccurs="0" maxOccurs="unbounded" />
511                  <xs:element name="CustomIrisCommand" type="cef:tCustomCommand" min
     Occurs="0" maxOccurs="unbounded" />
512                  <xs:element name="SetZoomLevel" type="cef:tSimpleCellLevelCommand"
     minOccurs="0" maxOccurs="unbounded" />
513                  <xs:element name="SetZoomStrobe" type="cef:tSimpleCellStrobeCommand
     " minOccurs="0" maxOccurs="unbounded" />
514                  <xs:element name="CustomZoomCommand" type="cef:tCustomCellCommand"
     minOccurs="0" maxOccurs="unbounded" />
515                  <xs:element name="SetPrismScaleLevel" type="cef:tSimpleLevelComman
     d" minOccurs="0" maxOccurs="unbounded" />
516                  <xs:element name="SetFocusLevel" type="cef:tSimpleLevelCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
517                  <xs:element name="SetFocusMode" type="cef:tSetFocusModeCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
518                  <xs:element name="CustomFocusCommand" type="cef:tCustomCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
519                  <!-- Wheels -->
520                  <xs:element name="SetWheelMode" type="cef:tSetWheelModeCommand" mi
     nOccurs="0" maxOccurs="unbounded" />
521                  <xs:element name="SetWheelSpinDirection" type="cef:tSetWheelSpinDi
     rectionCommand" minOccurs="0" maxOccurs="unbounded" />
522                  <xs:element name="SetWheelPosition" type="cef:tSetWheelPositionCom
     mand" minOccurs="0" maxOccurs="unbounded" />
523                  <xs:element name="SetWheelRandomPositionSpeed" type="cef:tSetWheel
     RandomPositionSpeedCommand" minOccurs="0" maxOccurs="unbounded" />
524                  <xs:element name="SetWheelSpeed" type="cef:tSetWheelSpeedCommand"
     minOccurs="0" maxOccurs="unbounded" />
525                  <xs:element name="SetWheelShutterMode" type="cef:tSetWheelShutterM
     odeCommand" minOccurs="0" maxOccurs="unbounded" />
526                  <xs:element name="SetWheelDepthPosition" type="cef:tSetWheelDepthP
     ositionCommand" minOccurs="0" maxOccurs="unbounded" />
527                  <xs:element name="SetWheelDepthStrobe" type="cef:tSetWheelDepthStr
     obeCommand" minOccurs="0" maxOccurs="unbounded" />
528                  <xs:element name="SetWheelDepthOrientation" type="cef:tSetWheelDep
     thOrientationCommand" minOccurs="0" maxOccurs="unbounded" />
529                  <xs:element name="SetWheelFrameMode" type="cef:tSetWheelFrameModeC
     ommand" minOccurs="0" maxOccurs="unbounded" />
530                  <xs:element name="SetWheelFrameSpinDirection" type="cef:tSetWheelF
     rameSpinDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
531                  <xs:element name="SetWheelFramePosition" type="cef:tSetWheelFrameP
     ositionCommand" minOccurs="0" maxOccurs="unbounded" />
532                  <xs:element name="SetWheelFrameSpeed" type="cef:tSetWheelFrameSpee
     dCommand" minOccurs="0" maxOccurs="unbounded" />
533                  <xs:element name="CustomWheelCommand" type="cef:tCustomWheelComman
     d" minOccurs="0" maxOccurs="unbounded" />
534                  <!-- Framing shutters -->
535                  <xs:element name="SetFramingShutterDepth" type="cef:tSetFramingShu
     tterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
536                  <xs:element name="SetFramingShutterAngle" type="cef:tSetFramingShu
```

```
      tterAngleCommand" minOccurs="0" maxOccurs="unbounded" />
532                   <xs:element name="SetFramingShutterADepth" type="cef:tSetFramingSh
      utterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
533                   <xs:element name="SetFramingShutterBDepth" type="cef:tSetFramingSh
      utterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
534                   <xs:element name="SetFramingShutterPackageAngle" type="cef:tSetFra
      mingShutterPackageAngleCommand" minOccurs="0" maxOccurs="unbounded" />
535                   <xs:element name="CustomFramingShuttersCommand" type="cef:tCustomC
      ommand" minOccurs="0" maxOccurs="unbounded" />
536                   <!-- Motion -->
537                   <xs:element name="SetPanMode" type="cef:tSetMotionModeCommand" min
      Occurs="0" maxOccurs="unbounded" />
538                   <xs:element name="SetTiltMode" type="cef:tSetMotionModeCommand" mi
      nOccurs="0" maxOccurs="unbounded" />
539                   <xs:element name="Pan" type="cef:tMotionCommand" minOccurs="0" max
      Occurs="unbounded" />
540                   <xs:element name="Tilt" type="cef:tMotionCommand" minOccurs="0" ma
      xOccurs="unbounded" />
541                   <xs:element name="Pitch" type="cef:tMotionCommand" minOccurs="0" m
      axOccurs="unbounded" />
542                   <xs:element name="SetPanDirection" type="cef:tSetMotionDirectionCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
543                   <xs:element name="SetTiltDirection" type="cef:tSetMotionDirectionC
      ommand" minOccurs="0" maxOccurs="unbounded" />
544                   <xs:element name="SetPanSpeed" type="cef:tMotionSpeedCommand" minO
      ccurs="0" maxOccurs="unbounded" />
545                   <xs:element name="SetTiltSpeed" type="cef:tMotionSpeedCommand" min
      Occurs="0" maxOccurs="unbounded" />
546                   <xs:element name="SetVectorPosition" type="cef:tSetVectorPositionC
      ommand" minOccurs="0" maxOccurs="unbounded" />
547                   <xs:element name="SetMotionSpeed" type="cef:tMotionSpeedCommand" m
      inOccurs="0" maxOccurs="unbounded" />
548                   <xs:element name="SetMotionTime" type="cef:tMotionTimeCommand" min
      Occurs="0" maxOccurs="unbounded" />
549                   <xs:element name="SetMotionShutterMode" type="cef:tShutterOnOffCom
      mand" minOccurs="0" maxOccurs="unbounded" />
550                   <xs:element name="CustomMotionCommand" type="cef:tCustomCommand" m
      inOccurs="0" maxOccurs="unbounded" />
551                   <!-- Effects -->
552                   <xs:element name="SelectMacroCatalog" type="cef:tSelectMacroCatalo
      gCommand" minOccurs="0" maxOccurs="unbounded" />
553                   <xs:element name="SelectMacro" type="cef:tSelectMacroCommand" minO
      ccurs="0" maxOccurs="unbounded" />
554                   <xs:element name="MacroParameterCommand" type="cef:tMacroParameter
      Command" minOccurs="0" maxOccurs="unbounded" />
555                   <xs:element name="SetMacroIntensityLevel" type="cef:tSimpleLevelCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
556                   <xs:element name="SetMacroColorRedLevel" type="cef:tSimpleLevelCom
      mand" minOccurs="0" maxOccurs="unbounded" />
557                   <xs:element name="SetMacroColorGreenLevel" type="cef:tSimpleLevelC
      ommand" minOccurs="0" maxOccurs="unbounded" />
558                   <xs:element name="SetMacroColorBlueLevel" type="cef:tSimpleLevelCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
559                   <xs:element name="SetMacroColorWhiteLevel" type="cef:tSimpleLevelC
      ommand" minOccurs="0" maxOccurs="unbounded" />
560                   <xs:element name="SetMacroShutterOpen" type="cef:tSimpleCommand" m
      inOccurs="0" maxOccurs="unbounded" />
561                   <xs:element name="SetMacroShutterClosed" type="cef:tSimpleCommand"
       minOccurs="0" maxOccurs="unbounded" />
562                   <xs:element name="SetMacroShutterStrobe" type="cef:tSimpleStrobeCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
563                   <xs:element name="SetMacroShutterSpeed" type="cef:tSimpleSpeedComm
      and" minOccurs="0" maxOccurs="unbounded" />
564                   <xs:element name="SetMacroSpeed" type="cef:tSimpleSpeedCommand" mi
      nOccurs="0" maxOccurs="unbounded" />
565                   <xs:element name="SetMacroDirection" type="cef:tSetMacroDirectionC
      ommand" minOccurs="0" maxOccurs="unbounded" />
566                   <xs:element name="SetMacroRotationPosition" type="cef:tSetMacroRot
      ationPositionCommand" minOccurs="0" maxOccurs="unbounded" />
```

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      tterAngleCommand" minOccurs="0" maxOccurs="unbounded" />
537                   <xs:element name="SetFramingShutterADepth" type="cef:tSetFramingSh
      utterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
538                   <xs:element name="SetFramingShutterBDepth" type="cef:tSetFramingSh
      utterDepthCommand" minOccurs="0" maxOccurs="unbounded" />
539                   <xs:element name="SetFramingShutterPackageAngle" type="cef:tSetFra
      mingShutterPackageAngleCommand" minOccurs="0" maxOccurs="unbounded" />
540                   <xs:element name="CustomFramingShuttersCommand" type="cef:tCustomC
      ommand" minOccurs="0" maxOccurs="unbounded" />
541                   <!-- Motion -->
542                   <xs:element name="SetPanMode" type="cef:tSetMotionModeCommand" min
      Occurs="0" maxOccurs="unbounded" />
543                   <xs:element name="SetTiltMode" type="cef:tSetMotionModeCommand" mi
      nOccurs="0" maxOccurs="unbounded" />
544                   <xs:element name="Pan" type="cef:tMotionCommand" minOccurs="0" max
      Occurs="unbounded" />
545                   <xs:element name="Tilt" type="cef:tMotionCommand" minOccurs="0" ma
      xOccurs="unbounded" />
546                   <xs:element name="Pitch" type="cef:tMotionCommand" minOccurs="0" m
      axOccurs="unbounded" />
547                   <xs:element name="SetPanDirection" type="cef:tSetMotionDirectionCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
548                   <xs:element name="SetTiltDirection" type="cef:tSetMotionDirectionC
      ommand" minOccurs="0" maxOccurs="unbounded" />
549                   <xs:element name="SetPanSpeed" type="cef:tMotionSpeedCommand" minO
      ccurs="0" maxOccurs="unbounded" />
550                   <xs:element name="SetTiltSpeed" type="cef:tMotionSpeedCommand" min
      Occurs="0" maxOccurs="unbounded" />
551                   <xs:element name="SetVectorPosition" type="cef:tSetVectorPositionC
      ommand" minOccurs="0" maxOccurs="unbounded" />
552                   <xs:element name="SetMotionSpeed" type="cef:tMotionSpeedCommand" m
      inOccurs="0" maxOccurs="unbounded" />
553                   <xs:element name="SetMotionTime" type="cef:tMotionTimeCommand" min
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554                   <xs:element name="SetMotionShutterMode" type="cef:tShutterOnOffCom
      mand" minOccurs="0" maxOccurs="unbounded" />
555                   <xs:element name="CustomMotionCommand" type="cef:tCustomCommand" m
      inOccurs="0" maxOccurs="unbounded" />
556                   <!-- Effects -->
557                   <xs:element name="SelectMacroCatalog" type="cef:tSelectMacroCatalo
      gCommand" minOccurs="0" maxOccurs="unbounded" />
558                   <xs:element name="SelectMacro" type="cef:tSelectMacroCommand" minO
      ccurs="0" maxOccurs="unbounded" />
559                   <xs:element name="MacroParameterCommand" type="cef:tMacroParameter
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560                   <xs:element name="SetMacroIntensityLevel" type="cef:tSimpleLevelCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
561                   <xs:element name="SetMacroColorRedLevel" type="cef:tSimpleLevelCom
      mand" minOccurs="0" maxOccurs="unbounded" />
562                   <xs:element name="SetMacroColorGreenLevel" type="cef:tSimpleLevelC
      ommand" minOccurs="0" maxOccurs="unbounded" />
563                   <xs:element name="SetMacroColorBlueLevel" type="cef:tSimpleLevelCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
564                   <xs:element name="SetMacroColorWhiteLevel" type="cef:tSimpleLevelC
      ommand" minOccurs="0" maxOccurs="unbounded" />
565                   <xs:element name="SetMacroShutterOpen" type="cef:tSimpleCommand" m
      inOccurs="0" maxOccurs="unbounded" />
566                   <xs:element name="SetMacroShutterClosed" type="cef:tSimpleCommand"
       minOccurs="0" maxOccurs="unbounded" />
567                   <xs:element name="SetMacroShutterStrobe" type="cef:tSimpleStrobeCo
      mmand" minOccurs="0" maxOccurs="unbounded" />
568                   <xs:element name="SetMacroShutterSpeed" type="cef:tSimpleSpeedComm
      and" minOccurs="0" maxOccurs="unbounded" />
569                   <xs:element name="SetMacroSpeed" type="cef:tSimpleSpeedCommand" mi
      nOccurs="0" maxOccurs="unbounded" />
570                   <xs:element name="SetMacroDirection" type="cef:tSetMacroDirectionC
      ommand" minOccurs="0" maxOccurs="unbounded" />
571                   <xs:element name="SetMacroRotationPosition" type="cef:tSetMacroRot
      ationPositionCommand" minOccurs="0" maxOccurs="unbounded" />
```

```
567                    <xs:element name="SetMacroRotationSpin" type="cef:tSetMacroRotatio
nSpinCommand" minOccurs="0" maxOccurs="unbounded" />
568                    <xs:element name="SetMacroRotationDirection" type="cef:tSetMacroRo
tationDirectionCommand" minOccurs="0" maxOccurs="unbounded" />
569                    <xs:element name="SetMacroFadeTime" type="cef:tSetMacroFadeTimeCom
mand" minOccurs="0" maxOccurs="unbounded" />
570                    <xs:element name="CustomMacroCommand" type="cef:tCustomCommand" mi
nOccurs="0" maxOccurs="unbounded" />
571                    <!-- Specials -->
572                    <xs:element name="SetLampOn" type="cef:tSimpleCommand" minOccurs="
0" maxOccurs="unbounded" />
573                    <xs:element name="SetLampOff" type="cef:tSimpleCommand" minOccurs=
"0" maxOccurs="unbounded" />
574                    <xs:element name="SetLampMode" type="cef:tSetLampModeCommand" minO
ccurs="0" maxOccurs="unbounded" />
575                    <xs:element name="CustomLampCommand" type="cef:tCustomCommand" min
Occurs="0" maxOccurs="unbounded" />
576                    <xs:element name="SetLaserOn" type="cef:tSimpleCommand" minOccurs=
"0" maxOccurs="unbounded" />
577                    <xs:element name="SetLaserOff" type="cef:tSimpleCommand" minOccurs
="0" maxOccurs="unbounded" />
578                    <xs:element name="SetLaserStrobe" type="cef:tSetLaserStrobeCommand
" minOccurs="0" maxOccurs="unbounded" />
579                    <xs:element name="SetFanMode" type="cef:tSetFanModeCommand" minOcc
urs="0" maxOccurs="unbounded" />
580                    <xs:element name="CustomFanCommand" type="cef:tCustomCommand" minO
ccurs="0" maxOccurs="unbounded" />
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xOccurs="unbounded" />
582                    <xs:element name="NoFunction" type="cef:tSimpleCommand" minOccurs=
"0" maxOccurs="unbounded" />
583                    <xs:element name="Reserved" type="cef:tSimpleCommand" minOccurs="0
" maxOccurs="unbounded" />
584                    <xs:element name="CustomCommand" type="cef:tCustomCommand" minOccu
rs="0" maxOccurs="unbounded" />
585                    <xs:element name="SetPreset" type="cef:tPresetCommand" minOccurs="
0" maxOccurs="unbounded" />
586                    <xs:element name="SetPresetScroll" type="cef:tPresetScrollCommand"
 minOccurs="0" maxOccurs="unbounded" />
587                    <xs:element name="SetPresetScrollSpeed" type="cef:tSimpleSpeedComm
and" minOccurs="0" maxOccurs="unbounded" />
588                    <xs:element name="Macro" type="cef:tTextCommand" minOccurs="0" max
Occurs="unbounded" />
589                 </xs:choice>
590                 <xs:attribute name="Type" use="required">
591                    <xs:simpleType>
592                       <xs:restriction base="xs:string">
593                          <xs:enumeration value="8Bit" />
594                          <xs:enumeration value="16BitMsb" />
595                          <xs:enumeration value="16BitLsb" />
596                       </xs:restriction>
597                    </xs:simpleType>
598                 </xs:attribute>
599                 <xs:attribute name="OsbChannelIndex" type="xs:unsignedInt" use="opti
onal" />
600                 <xs:attribute name="ExternalModeStart" type="xs:string" use="optiona
l" />
601                 <xs:attribute name="GroupName" type="xs:string" use="optional"/>
602                 <xs:attribute name="Name" type="xs:string" use="required"/>
603                 <xs:attribute name="ShortName" type="xs:string" use="optional"/>
604                 <xs:attribute name="Cells" use="optional">
605                    <xs:simpleType>
606                       <xs:restriction base="xs:string">
607                          <xs:pattern value="\d+(-\d+)?(,(\d+(-\d+)?))*" />
608                       </xs:restriction>
609                    </xs:simpleType>
610                 </xs:attribute>
611                 <xs:attribute name="DefaultLevel" type="xs:unsignedInt" use="optiona
l"/>
```

```
612                 <xs:attribute name="DefaultLevelType" use="optional">
613                   <xs:simpleType>
614                     <xs:restriction base="xs:string">
615                       <xs:enumeration value="Explicit" />
616                       <xs:enumeration value="Computed" />
617                     </xs:restriction>
618                   </xs:simpleType>
619                 </xs:attribute>
620                 <xs:attribute name="LocateLevel" type="xs:unsignedInt" use="optional
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621               </xs:complexType>
622             </xs:element>
623           </xs:sequence>
624         </xs:complexType>
625       </xs:element>
626       <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
627         <xs:complexType>
628           <xs:sequence minOccurs="1" maxOccurs="unbounded">
629             <xs:element name="Step" minOccurs="1" maxOccurs="unbounded">
630               <xs:complexType>
631                 <xs:sequence>
632                   <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
633                     <xs:complexType>
634                       <xs:attribute name="ChannelIndex" type="xs:unsignedInt" use="r
      equired" />
635                       <xs:attribute name="DMX" type="xs:int" use="required" />
636                     </xs:complexType>
637                   </xs:element>
638                 </xs:sequence>
639                 <xs:attribute name="Time" type="xs:float" use="required" />
640               </xs:complexType>
641             </xs:element>
642           </xs:sequence>
643           <xs:attribute name="Type" use="required">
644             <xs:simpleType>
645               <xs:restriction base="xs:string">
646                 <xs:enumeration value="Custom" />
647                 <xs:enumeration value="Lock" />
648                 <xs:enumeration value="Unlock" />
649                 <xs:enumeration value="LampOn" />
650                 <xs:enumeration value="LampOff" />
651                 <xs:enumeration value="LampModeNormal" />
652                 <xs:enumeration value="LampModeLowPower" />
653                 <xs:enumeration value="ResetComplete" />
654                 <xs:enumeration value="ResetPanTilt" />
655                 <xs:enumeration value="ResetColour" />
656                 <xs:enumeration value="ResetGobo" />
657                 <xs:enumeration value="ResetStrobe" />
658                 <xs:enumeration value="ResetFocus" />
659                 <xs:enumeration value="ResetZoom" />
660                 <xs:enumeration value="ResetFrost" />
661                 <xs:enumeration value="ResetIris" />
662                 <xs:enumeration value="ResetAllInternal" />
663                 <xs:enumeration value="FanModeSlow" />
664                 <xs:enumeration value="FanModeFast" />
665               </xs:restriction>
666             </xs:simpleType>
667           </xs:attribute>
668           <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
669           <xs:attribute name="CustomName" type="xs:string" use="optional" />
670         </xs:complexType>
671       </xs:element>
672     </xs:sequence>
673     <xs:attribute name="Identifier" type="xs:string" use="required"/>
674     <xs:attribute name="Name" type="xs:string" use="required"/>
675     <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="required"/>
676     <xs:attribute name="ControllerName" type="xs:string" use="optional"/>
677     <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
678   </xs:complexType>
```

```
617                 <xs:attribute name="DefaultLevelType" use="optional">
618                   <xs:simpleType>
619                     <xs:restriction base="xs:string">
620                       <xs:enumeration value="Explicit" />
621                       <xs:enumeration value="Computed" />
622                     </xs:restriction>
623                   </xs:simpleType>
624                 </xs:attribute>
625                 <xs:attribute name="LocateLevel" type="xs:unsignedInt" use="optional
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626               </xs:complexType>
627             </xs:element>
628           </xs:sequence>
629         </xs:complexType>
630       </xs:element>
631       <xs:element name="Function" minOccurs="0" maxOccurs="unbounded">
632         <xs:complexType>
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635               <xs:complexType>
636                 <xs:sequence>
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641                     </xs:complexType>
642                   </xs:element>
643                 </xs:sequence>
644                 <xs:attribute name="Time" type="xs:float" use="required" />
645               </xs:complexType>
646             </xs:element>
647           </xs:sequence>
648           <xs:attribute name="Type" use="required">
649             <xs:simpleType>
650               <xs:restriction base="xs:string">
651                 <xs:enumeration value="Custom" />
652                 <xs:enumeration value="Lock" />
653                 <xs:enumeration value="Unlock" />
654                 <xs:enumeration value="LampOn" />
655                 <xs:enumeration value="LampOff" />
656                 <xs:enumeration value="LampModeNormal" />
657                 <xs:enumeration value="LampModeLowPower" />
658                 <xs:enumeration value="ResetComplete" />
659                 <xs:enumeration value="ResetPanTilt" />
660                 <xs:enumeration value="ResetColour" />
661                 <xs:enumeration value="ResetGobo" />
662                 <xs:enumeration value="ResetStrobe" />
663                 <xs:enumeration value="ResetFocus" />
664                 <xs:enumeration value="ResetZoom" />
665                 <xs:enumeration value="ResetFrost" />
666                 <xs:enumeration value="ResetIris" />
667                 <xs:enumeration value="ResetAllInternal" />
668                 <xs:enumeration value="FanModeSlow" />
669                 <xs:enumeration value="FanModeFast" />
670               </xs:restriction>
671             </xs:simpleType>
672           </xs:attribute>
673           <xs:attribute name="CustomGroupName" type="xs:string" use="optional" />
674           <xs:attribute name="CustomName" type="xs:string" use="optional" />
675         </xs:complexType>
676       </xs:element>
677     </xs:sequence>
678     <xs:attribute name="Identifier" type="xs:string" use="required"/>
679     <xs:attribute name="Name" type="xs:string" use="required"/>
680     <xs:attribute name="ControllerIndex" type="xs:unsignedInt" use="required"/>
681     <xs:attribute name="ControllerName" type="xs:string" use="optional"/>
682     <xs:attribute name="DmxChannels" type="xs:unsignedInt" use="required"/>
683   </xs:complexType>
```

```
679        </xs:element>
680      </xs:sequence>
681      <xs:attribute name="Identifier" type="xs:string" use="required"/>
682      <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
683      <xs:attribute name="VersionDate" type="xs:date" use="required"/>
684      <xs:attribute name="Brand" type="xs:string" use="required"/>
685      <xs:attribute name="Name" type="xs:string" use="required"/>
686      <xs:attribute name="Visibility" type="cef:tVisibility" use="required" />
687      <xs:attribute name="PartNo" type="xs:string" use="optional"/>
688    </xs:complexType>
689
690    <xs:complexType name="tFixtureColorFlag">
691      <xs:sequence>
692        <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
693        <xs:element name="CCT" type="xs:int" minOccurs="0" maxOccurs="1" />
694      </xs:sequence>
695    </xs:complexType>
696
697    <xs:simpleType name="tFixtureAxisName">
698      <xs:restriction base="xs:string">
699        <xs:enumeration value="Pan" />
700        <xs:enumeration value="Tilt" />
701        <xs:enumeration value="Pitch" />
702      </xs:restriction>
703    </xs:simpleType>
704
705    <xs:complexType name="tFixtureLightSourceColour">
706      <xs:sequence>
707        <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
708          <xs:complexType>
709            <xs:attribute name="Red" type="xs:unsignedByte" use="required" />
710            <xs:attribute name="Green" type="xs:unsignedByte" use="required" />
711            <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
712          </xs:complexType>
713        </xs:element>
714        <xs:element name="CIE1931" minOccurs="0" maxOccurs="1">
715          <xs:complexType>
716            <xs:attribute name="x" type="xs:float" use="required" />
717            <xs:attribute name="y" type="xs:float" use="required" />
718            <xs:attribute name="Y" type="xs:float" use="required" />
719          </xs:complexType>
720        </xs:element>
721      </xs:sequence>
722      <xs:attribute name="Name" type="xs:string" use="optional" />
723    </xs:complexType>
724
725    <xs:complexType name="tFixtureLightSourceOpticTraits">
726      <xs:sequence>
727        <xs:element name="HorizontalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1"
   />
728        <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
729        <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
730          <xs:complexType>
731            <xs:sequence>
732              <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxOccurs="1" />
733            </xs:sequence>
734          </xs:complexType>
735        </xs:element>
736      </xs:sequence>
737    </xs:complexType>
738
739    <!-- Media server -->
740    <xs:complexType name="tMediaServer">
741      <xs:sequence>
742        <xs:element name="Layers" minOccurs="1" maxOccurs="1">
743          <xs:complexType>
744            <xs:sequence>
745              <xs:element name="Layer" type="cef:tMediaServerLayer" minOccurs="0" maxOccurs=
   "unbounded" />
```

```
684        </xs:element>
685      </xs:sequence>
686      <xs:attribute name="Identifier" type="xs:string" use="required"/>
687      <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
688      <xs:attribute name="VersionDate" type="xs:date" use="required"/>
689      <xs:attribute name="Brand" type="xs:string" use="required"/>
690      <xs:attribute name="Name" type="xs:string" use="required"/>
691      <xs:attribute name="Visibility" type="cef:tVisibility" use="required" />
692      <xs:attribute name="PartNo" type="xs:string" use="optional"/>
693    </xs:complexType>
694
695    <xs:complexType name="tFixtureColorFlag">
696      <xs:sequence>
697        <xs:element name="Color" type="cef:tFilterColor" minOccurs="1" maxOccurs="1" />
698        <xs:element name="CCT" type="xs:int" minOccurs="0" maxOccurs="1" />
699      </xs:sequence>
700    </xs:complexType>
701
702    <xs:simpleType name="tFixtureAxisName">
703      <xs:restriction base="xs:string">
704        <xs:enumeration value="Pan" />
705        <xs:enumeration value="Tilt" />
706        <xs:enumeration value="Pitch" />
707      </xs:restriction>
708    </xs:simpleType>
709
710    <xs:complexType name="tFixtureLightSourceColour">
711      <xs:sequence>
712        <xs:element name="sRGB" minOccurs="1" maxOccurs="1">
713          <xs:complexType>
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716            <xs:attribute name="Blue" type="xs:unsignedByte" use="required" />
717          </xs:complexType>
718        </xs:element>
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723            <xs:attribute name="Y" type="xs:float" use="required" />
724          </xs:complexType>
725        </xs:element>
726      </xs:sequence>
727      <xs:attribute name="Name" type="xs:string" use="optional" />
728    </xs:complexType>
729
730    <xs:complexType name="tFixtureLightSourceOpticTraits">
731      <xs:sequence>
732        <xs:element name="HorizontalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1"
   />
733        <xs:element name="VerticalFieldAngle" type="xs:float" minOccurs="1" maxOccurs="1" />
734        <xs:element name="Photometrics" minOccurs="0" maxOccurs="1">
735          <xs:complexType>
736            <xs:sequence>
737              <xs:element name="LuminousFlux" type="xs:float" minOccurs="1" maxOccurs="1" />
738            </xs:sequence>
739          </xs:complexType>
740        </xs:element>
741      </xs:sequence>
742    </xs:complexType>
743
744    <!-- Media server -->
745    <xs:complexType name="tMediaServer">
746      <xs:sequence>
747        <xs:element name="Layers" minOccurs="1" maxOccurs="1">
748          <xs:complexType>
749            <xs:sequence>
750              <xs:element name="Layer" type="cef:tMediaServerLayer" minOccurs="0" maxOccurs=
   "unbounded" />
```

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746            </xs:sequence>
747          </xs:complexType>
748        </xs:element>
749        <xs:element name="Lists" minOccurs="1" maxOccurs="1">
750          <xs:complexType>
751            <xs:sequence>
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     nbounded" />
753            </xs:sequence>
754          </xs:complexType>
755        </xs:element>
756      </xs:sequence>
757      <xs:attribute name="Identifier" type="xs:string" use="required"/>
758      <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
759      <xs:attribute name="VersionDate" type="xs:date" use="required"/>
760      <xs:attribute name="Brand" type="xs:string" use="required" />
761      <xs:attribute name="Name" type="xs:string" use="required" />
762    </xs:complexType>
763
764    <xs:complexType name="tMediaServerLayer">
765      <xs:sequence>
766        <xs:element name="Channels" minOccurs="1" maxOccurs="1">
767          <xs:complexType>
768            <xs:sequence>
769              <xs:element name="Channel" minOccurs="1" maxOccurs="512">
770                <xs:complexType>
771                  <xs:choice minOccurs="0" maxOccurs="unbounded">
772                    <xs:element name="DimmerRange" type="cef:tMediaServerDimmerRange" />
773                    <xs:element name="Range" type="cef:tMediaServerRange" />
774                    <xs:element name="Snap" type="cef:tMediaServerSnap" />
775                  </xs:choice>
776                  <xs:attribute name="Name" type="xs:string" use="required" />
777                  <xs:attribute name="Default" type="xs:unsignedInt" use="required" />
778                  <xs:attribute name="Bits" use="optional">
779                    <xs:simpleType>
780                      <xs:restriction base="xs:int">
781                        <xs:enumeration value="8" />
782                        <xs:enumeration value="16" />
783                        <xs:enumeration value="24" />
784                        <xs:enumeration value="32" />
785                      </xs:restriction>
786                    </xs:simpleType>
787                  </xs:attribute>
788                  <xs:attribute name="Table" type="xs:string" use="optional" />
789                  <xs:attribute name="TableFunction" use="optional">
790                    <xs:simpleType>
791                      <xs:restriction base="xs:string">
792                        <xs:enumeration value="Selector" />
793                        <xs:enumeration value="Parameter" />
794                      </xs:restriction>
795                    </xs:simpleType>
796                  </xs:attribute>
797                  <xs:attribute name="TableParameterName" type="xs:string" use="optional" />
798                  <xs:attribute name="CITPMediaType" use="optional">
799                    <xs:simpleType>
800                      <xs:restriction base="xs:string">
801                        <xs:enumeration value="Media" />
802                        <xs:enumeration value="Effects" />
803                        <xs:enumeration value="Cues" />
804                        <xs:enumeration value="Crossfades" />
805                        <xs:enumeration value="Masks" />
806                        <xs:enumeration value="Blend Presets" />
807                        <xs:enumeration value="Effect Presets" />
808                        <xs:enumeration value="Image Presets" />
809                        <xs:enumeration value="3D Meshes" />
810                      </xs:restriction>
811                    </xs:simpleType>
812                  </xs:attribute>
813                  <xs:attribute name="CITPMediaLevel" use="optional">
```

```
751            </xs:sequence>
752          </xs:complexType>
753        </xs:element>
754        <xs:element name="Lists" minOccurs="1" maxOccurs="1">
755          <xs:complexType>
756            <xs:sequence>
757              <xs:element name="List" type="cef:tMediaServerList" minOccurs="0" maxOccurs="u
     nbounded" />
758            </xs:sequence>
759          </xs:complexType>
760        </xs:element>
761      </xs:sequence>
762      <xs:attribute name="Identifier" type="xs:string" use="required"/>
763      <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
764      <xs:attribute name="VersionDate" type="xs:date" use="required"/>
765      <xs:attribute name="Brand" type="xs:string" use="required" />
766      <xs:attribute name="Name" type="xs:string" use="required" />
767    </xs:complexType>
768
769    <xs:complexType name="tMediaServerLayer">
770      <xs:sequence>
771        <xs:element name="Channels" minOccurs="1" maxOccurs="1">
772          <xs:complexType>
773            <xs:sequence>
774              <xs:element name="Channel" minOccurs="1" maxOccurs="512">
775                <xs:complexType>
776                  <xs:choice minOccurs="0" maxOccurs="unbounded">
777                    <xs:element name="DimmerRange" type="cef:tMediaServerDimmerRange" />
778                    <xs:element name="Range" type="cef:tMediaServerRange" />
779                    <xs:element name="Snap" type="cef:tMediaServerSnap" />
780                  </xs:choice>
781                  <xs:attribute name="Name" type="xs:string" use="required" />
782                  <xs:attribute name="Default" type="xs:unsignedInt" use="required" />
783                  <xs:attribute name="Bits" use="optional">
784                    <xs:simpleType>
785                      <xs:restriction base="xs:int">
786                        <xs:enumeration value="8" />
787                        <xs:enumeration value="16" />
788                        <xs:enumeration value="24" />
789                        <xs:enumeration value="32" />
790                      </xs:restriction>
791                    </xs:simpleType>
792                  </xs:attribute>
793                  <xs:attribute name="Table" type="xs:string" use="optional" />
794                  <xs:attribute name="TableFunction" use="optional">
795                    <xs:simpleType>
796                      <xs:restriction base="xs:string">
797                        <xs:enumeration value="Selector" />
798                        <xs:enumeration value="Parameter" />
799                      </xs:restriction>
800                    </xs:simpleType>
801                  </xs:attribute>
802                  <xs:attribute name="TableParameterName" type="xs:string" use="optional" />
803                  <xs:attribute name="CITPMediaType" use="optional">
804                    <xs:simpleType>
805                      <xs:restriction base="xs:string">
806                        <xs:enumeration value="Media" />
807                        <xs:enumeration value="Effects" />
808                        <xs:enumeration value="Cues" />
809                        <xs:enumeration value="Crossfades" />
810                        <xs:enumeration value="Masks" />
811                        <xs:enumeration value="Blend Presets" />
812                        <xs:enumeration value="Effect Presets" />
813                        <xs:enumeration value="Image Presets" />
814                        <xs:enumeration value="3D Meshes" />
815                      </xs:restriction>
816                    </xs:simpleType>
817                  </xs:attribute>
818                  <xs:attribute name="CITPMediaLevel" use="optional">
```

```
814              <xs:simpleType>
815                <xs:restriction base="xs:int">
816                  <xs:minInclusive value="1" />
817                  <xs:maxInclusive value="4" />
818                </xs:restriction>
819              </xs:simpleType>
820            </xs:attribute>
821            <xs:attribute name="CITPParameterIndex" type="xs:byte" use="optional" />
822          </xs:complexType>
823        </xs:element>
824      </xs:sequence>
825    </xs:complexType>
826  </xs:element>
827  </xs:sequence>
828  <xs:attribute name="Identifier" type="xs:string" use="required"/>
829  <xs:attribute name="Name" type="xs:string" use="required" />
830  </xs:complexType>
831
832  <xs:complexType name="tMediaServerDimmerRange">
833    <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
834    <xs:attribute name="End" type="xs:unsignedInt" use="required" />
835    <xs:attribute name="DimmerFrom" use="required">
836      <xs:simpleType>
837        <xs:restriction base="xs:float">
838          <xs:minInclusive value="0" />
839          <xs:maxInclusive value="1" />
840        </xs:restriction>
841      </xs:simpleType>
842    </xs:attribute>
843    <xs:attribute name="DimmerTo" use="required">
844      <xs:simpleType>
845        <xs:restriction base="xs:float">
846          <xs:minInclusive value="0" />
847          <xs:maxInclusive value="1" />
848        </xs:restriction>
849      </xs:simpleType>
850    </xs:attribute>
851  </xs:complexType>
852
853  <xs:complexType name="tMediaServerRange">
854    <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
855    <xs:attribute name="End" type="xs:unsignedInt" use="required" />
856    <!-- Substitute ### with the 8-bit DMX level -->
857    <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
858    <xs:attribute name="Text" type="xs:string" use="required" />
859    <xs:attribute name="From" type="xs:string" use="required" />
860    <xs:attribute name="To" type="xs:string" use="required" />
861  </xs:complexType>
862
863  <xs:complexType name="tMediaServerSnap">
864    <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
865    <xs:attribute name="End" type="xs:unsignedInt" use="required" />
866    <!-- Substitute ### with the 8-bit DMX level -->
867    <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
868    <xs:attribute name="Text" type="xs:string" use="required" />
869    <xs:attribute name="To" type="xs:string" use="optional" />
870  </xs:complexType>
871
872  <xs:complexType name="tMediaServerList">
873    <xs:sequence>
874      <xs:element name="Entry" minOccurs="1" maxOccurs="255">
875        <xs:complexType>
876          <xs:sequence>
877            <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
878              <xs:complexType>
879                <xs:attribute name="Name" type="xs:string" use="required" />
880                <xs:attribute name="Function" type="xs:string" use="required" />
881              </xs:complexType>
882            </xs:element>
```

```
819              <xs:simpleType>
820                <xs:restriction base="xs:int">
821                  <xs:minInclusive value="1" />
822                  <xs:maxInclusive value="4" />
823                </xs:restriction>
824              </xs:simpleType>
825            </xs:attribute>
826            <xs:attribute name="CITPParameterIndex" type="xs:byte" use="optional" />
827          </xs:complexType>
828        </xs:element>
829      </xs:sequence>
830    </xs:complexType>
831  </xs:element>
832  </xs:sequence>
833  <xs:attribute name="Identifier" type="xs:string" use="required"/>
834  <xs:attribute name="Name" type="xs:string" use="required" />
835  </xs:complexType>
836
837  <xs:complexType name="tMediaServerDimmerRange">
838    <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
839    <xs:attribute name="End" type="xs:unsignedInt" use="required" />
840    <xs:attribute name="DimmerFrom" use="required">
841      <xs:simpleType>
842        <xs:restriction base="xs:float">
843          <xs:minInclusive value="0" />
844          <xs:maxInclusive value="1" />
845        </xs:restriction>
846      </xs:simpleType>
847    </xs:attribute>
848    <xs:attribute name="DimmerTo" use="required">
849      <xs:simpleType>
850        <xs:restriction base="xs:float">
851          <xs:minInclusive value="0" />
852          <xs:maxInclusive value="1" />
853        </xs:restriction>
854      </xs:simpleType>
855    </xs:attribute>
856  </xs:complexType>
857
858  <xs:complexType name="tMediaServerRange">
859    <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
860    <xs:attribute name="End" type="xs:unsignedInt" use="required" />
861    <!-- Substitute ### with the 8-bit DMX level -->
862    <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
863    <xs:attribute name="Text" type="xs:string" use="required" />
864    <xs:attribute name="From" type="xs:string" use="required" />
865    <xs:attribute name="To" type="xs:string" use="required" />
866  </xs:complexType>
867
868  <xs:complexType name="tMediaServerSnap">
869    <xs:attribute name="Start" type="xs:unsignedInt" use="required" />
870    <xs:attribute name="End" type="xs:unsignedInt" use="required" />
871    <!-- Substitute ### with the 8-bit DMX level -->
872    <!-- Substitute ###.## with the 16-bit DMX level divided by 100 -->
873    <xs:attribute name="Text" type="xs:string" use="required" />
874    <xs:attribute name="To" type="xs:string" use="optional" />
875  </xs:complexType>
876
877  <xs:complexType name="tMediaServerList">
878    <xs:sequence>
879      <xs:element name="Entry" minOccurs="1" maxOccurs="255">
880        <xs:complexType>
881          <xs:sequence>
882            <xs:element name="Parameter" minOccurs="0" maxOccurs="unbounded">
883              <xs:complexType>
884                <xs:attribute name="Name" type="xs:string" use="required" />
885                <xs:attribute name="Function" type="xs:string" use="required" />
886              </xs:complexType>
887            </xs:element>
```

```
883        </xs:sequence>
884        <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
885        <xs:attribute name="End" type="xs:unsignedByte" use="required" />
886        <xs:attribute name="Name" type="xs:string" use="required" />
887      </xs:complexType>
888    </xs:element>
889   </xs:sequence>
890   <xs:attribute name="Name" type="xs:string" use="required" />
891 </xs:complexType>
892
893 <!-- Symbol -->
894 <xs:complexType name="tSymbol">
895   <xs:sequence>
896     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
897       <xs:complexType>
898         <xs:sequence>
899           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
900             <xs:complexType>
901               <xs:attribute name="X" type="xs:float" use="required" />
902               <xs:attribute name="Y" type="xs:float" use="required" />
903             </xs:complexType>
904           </xs:element>
905         </xs:sequence>
906         <xs:attribute name="Type" use="required">
907           <xs:simpleType>
908             <xs:restriction base="xs:string">
909               <xs:enumeration value="Fill" />
910               <xs:enumeration value="Line" />
911             </xs:restriction>
912           </xs:simpleType>
913         </xs:attribute>
914       </xs:complexType>
915     </xs:element>
916   </xs:sequence>
917   <xs:attribute name="Identifier" type="xs:string" use="required"/>
918   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
919   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
920   <xs:attribute name="Brand" type="xs:string" use="required"/>
921   <xs:attribute name="Name" type="xs:string" use="optional"/>
922 </xs:complexType>
923
924 <!-- Generic DMX Mode command types -->
925 <xs:complexType name="tSimpleCommand">
926   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
927   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
928 </xs:complexType>
929
930 <xs:complexType name="tSimpleLevelCommand">
931   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
932   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
933   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
934   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
935 </xs:complexType>
936
937 <xs:complexType name="tSimpleCellLevelCommand">
938   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
939   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
940   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
941   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
942   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
943   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
944 </xs:complexType>
945
946 <xs:complexType name="tSimpleSpeedCommand">
947   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
948   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
949   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
950   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
951 </xs:complexType>
```

```
888        </xs:sequence>
889        <xs:attribute name="Start" type="xs:unsignedByte" use="required" />
890        <xs:attribute name="End" type="xs:unsignedByte" use="required" />
891        <xs:attribute name="Name" type="xs:string" use="required" />
892      </xs:complexType>
893    </xs:element>
894   </xs:sequence>
895   <xs:attribute name="Name" type="xs:string" use="required" />
896 </xs:complexType>
897
898 <!-- Symbol -->
899 <xs:complexType name="tSymbol">
900   <xs:sequence>
901     <xs:element name="Shape" minOccurs="0" maxOccurs="unbounded">
902       <xs:complexType>
903         <xs:sequence>
904           <xs:element name="Point" minOccurs="2" maxOccurs="unbounded">
905             <xs:complexType>
906               <xs:attribute name="X" type="xs:float" use="required" />
907               <xs:attribute name="Y" type="xs:float" use="required" />
908             </xs:complexType>
909           </xs:element>
910         </xs:sequence>
911         <xs:attribute name="Type" use="required">
912           <xs:simpleType>
913             <xs:restriction base="xs:string">
914               <xs:enumeration value="Fill" />
915               <xs:enumeration value="Line" />
916             </xs:restriction>
917           </xs:simpleType>
918         </xs:attribute>
919       </xs:complexType>
920     </xs:element>
921   </xs:sequence>
922   <xs:attribute name="Identifier" type="xs:string" use="required"/>
923   <xs:attribute name="Version" type="xs:unsignedInt" use="required"/>
924   <xs:attribute name="VersionDate" type="xs:date" use="required"/>
925   <xs:attribute name="Brand" type="xs:string" use="required"/>
926   <xs:attribute name="Name" type="xs:string" use="optional"/>
927 </xs:complexType>
928
929 <!-- Generic DMX Mode command types -->
930 <xs:complexType name="tSimpleCommand">
931   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
932   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
933 </xs:complexType>
934
935 <xs:complexType name="tSimpleLevelCommand">
936   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
937   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
938   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
939   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
940 </xs:complexType>
941
942 <xs:complexType name="tSimpleCellLevelCommand">
943   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
944   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
945   <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
946   <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
947   <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
948   <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
949 </xs:complexType>
950
951 <xs:complexType name="tSimpleSpeedCommand">
952   <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
953   <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
954   <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
955   <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
956 </xs:complexType>
```

```
952
953    <xs:complexType name="tSimpleTimeCommand">
954      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
955      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
956      <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
957      <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
958    </xs:complexType>
959
960    <xs:complexType name="tSimpleStrobeCommand">
961      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
962      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
963      <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
964      <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
965      <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
966      <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
967    </xs:complexType>
968
969    <xs:complexType name="tShutterOnOffCommand">
970      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
971      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
972      <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
973    </xs:complexType>
974
975    <!-- Specific DMX Mode command types -->
976    <xs:complexType name="tSetCellLightEnabledCommand">
977      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
978      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
979      <xs:attribute name="Layer" type="cef:tControlLayer" use="required"/>
980      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
981      <xs:attribute name="ToMode" type="cef:tOnOff" use="required"/>
982    </xs:complexType>
983
984    <xs:complexType name="tSetLightModeCommand">
985      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
986      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
987      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
988      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
989      <xs:attribute name="ToMode" type="cef:tLightMode" use="required"/>
990    </xs:complexType>
991
992    <xs:complexType name="tSetLightModesMixLevelCommand">
993      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
994      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
995      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
996      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
997      <xs:attribute name="ToStartMode" type="cef:tLightMode" use="required"/>
998      <xs:attribute name="ToEndMode" type="cef:tLightMode" use="required"/>
999      <xs:attribute name="ToStartLevel" type="cef:tWideRangeValue" use="required"/>
1000     <xs:attribute name="ToEndLevel" type="cef:tWideRangeValue" use="required"/>
1001   </xs:complexType>
1002
1003   <xs:complexType name="tSetCellLightLevelCommand">
1004     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1005     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1006     <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1007     <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1008     <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1009     <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
```

```
957
958    <xs:complexType name="tSimpleTimeCommand">
959      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
960      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
961      <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
962      <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
963    </xs:complexType>
964
965    <xs:complexType name="tSimpleStrobeCommand">
966      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
967      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
968      <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
969      <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
970      <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
971      <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
972    </xs:complexType>
973
974    <xs:complexType name="tSimpleCellStrobeCommand">
975      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
976      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
977      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
978      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
979      <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
980      <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
981      <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
982      <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
983    </xs:complexType>
984
985    <xs:complexType name="tShutterOnOffCommand">
986      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
987      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
988      <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
989    </xs:complexType>
990
991    <!-- Specific DMX Mode command types -->
992    <xs:complexType name="tSetCellLightEnabledCommand">
993      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
994      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
995      <xs:attribute name="Layer" type="cef:tControlLayer" use="required"/>
996      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
997      <xs:attribute name="ToMode" type="cef:tOnOff" use="required"/>
998    </xs:complexType>
999
1000   <xs:complexType name="tSetLightModeCommand">
1001     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1002     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1003     <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1004     <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1005     <xs:attribute name="ToMode" type="cef:tLightMode" use="required"/>
1006   </xs:complexType>
1007
1008   <xs:complexType name="tSetLightModesMixLevelCommand">
1009     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1010     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1011     <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1012     <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1013     <xs:attribute name="ToStartMode" type="cef:tLightMode" use="required"/>
1014     <xs:attribute name="ToEndMode" type="cef:tLightMode" use="required"/>
1015     <xs:attribute name="ToStartLevel" type="cef:tWideRangeValue" use="required"/>
1016     <xs:attribute name="ToEndLevel" type="cef:tWideRangeValue" use="required"/>
1017   </xs:complexType>
1018
1019   <xs:complexType name="tSetCellLightLevelCommand">
1020     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1021     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1022     <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1023     <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1024     <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1025     <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
```

```xml
1010        <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
1011    </xs:complexType>
1012
1013    <xs:complexType name="tSetCellLightWideLevelCommand">
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="Cell" type="xs:unsignedInt" use="required"/>
1018        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1019        <xs:attribute name="ToStartLevel" type="cef:tWideRangeValue" use="required"/>
1020        <xs:attribute name="ToEndLevel" type="cef:tWideRangeValue" use="required"/>
1021    </xs:complexType>
1022
1023    <xs:complexType name="tSetCellLightColorRenderingIndexLevelCommand">
1024        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1025        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1026        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1027        <xs:attribute name="ToStartLevel" type="cef:tColorRenderingIndexRangeValue" use="requi
    red"/>
1028        <xs:attribute name="ToEndLevel" type="cef:tColorRenderingIndexRangeValue" use="require
    d"/>
1029    </xs:complexType>
1030
1031    <xs:complexType name="tSetCellLightColorTemperatureLevelCommand">
1032        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1033        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1034        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
```

```xml
1026        <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
1027    </xs:complexType>
1028
1029    <xs:complexType name="tSetCellLightWideLevelCommand">
1030        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1031        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1032        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1033        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1034        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1035        <xs:attribute name="ToStartLevel" type="cef:tWideRangeValue" use="required"/>
1036        <xs:attribute name="ToEndLevel" type="cef:tWideRangeValue" use="required"/>
1037    </xs:complexType>
1038
1039    <xs:complexType name="tSelectLightFilterCatalogCommand">
1040        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1041        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1042        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1043        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1044        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1045        <xs:attribute name="Catalog" type="xs:unsignedByte" use="required"/>
1046        <xs:attribute name="Text" type="xs:string" use="optional" />
1047    </xs:complexType>
1048
1049    <xs:complexType name="tSelectLightFilterCollectionCommand">
1050        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1051        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1052        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1053        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1054        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1055        <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1056        <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1057        <xs:attribute name="Text" type="xs:string" use="optional" />
1058    </xs:complexType>
1059
1060    <xs:complexType name="tSelectLightFilterCommand">
1061        <xs:sequence>
1062            <xs:element name="Color" minOccurs="1" maxOccurs="1">
1063                <xs:complexType>
1064                    <xs:attribute name="x" type="xs:float" use="required" />
1065                    <xs:attribute name="y" type="xs:float" use="required" />
1066                    <xs:attribute name="Y" type="xs:float" use="required" />
1067                    <xs:attribute name="K" type="xs:unsignedShort" use="required" />
1068                </xs:complexType>
1069            </xs:element>
1070        </xs:sequence>
1071        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1072        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1073        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1074        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1075        <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1076        <xs:attribute name="Index" type="xs:unsignedByte" use="optional"/>
1077        <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1078        <xs:attribute name="Text" type="xs:string" use="required" />
1079    </xs:complexType>
1080
1081    <xs:complexType name="tSetCellLightColorRenderingIndexLevelCommand">
1082        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1083        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1084        <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1085        <xs:attribute name="ToStartLevel" type="cef:tColorRenderingIndexRangeValue" use="requi
    red"/>
1086        <xs:attribute name="ToEndLevel" type="cef:tColorRenderingIndexRangeValue" use="require
    d"/>
1087    </xs:complexType>
1088
1089    <xs:complexType name="tSetCellLightColorTemperatureLevelCommand">
1090        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1091        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1092        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
```

```
1035      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1036      <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1037      <xs:attribute name="ToStartLevel" type="cef:tColorTemperatureRangeValue" use="required
    "/>
1038      <xs:attribute name="ToEndLevel" type="cef:tColorTemperatureRangeValue" use="required"/>
1039   </xs:complexType>
1040
1041   <xs:complexType name="tSetShutterCommand">
1042      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1043      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1044      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1045      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1046   </xs:complexType>
1047
1048   <xs:complexType name="tSetShutterStrobeCommand">
1049      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1050      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1051      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1052      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1053      <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1054      <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1055   </xs:complexType>
1056
1057   <xs:complexType name="tSetShutterStrobeRateCommand">
1058      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1059      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1060      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1061      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1062   </xs:complexType>
1063
1064   <xs:complexType name="tSetShutterStrobeVariableRateCommand">
1065      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1066      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1067      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1068      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1069      <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1070      <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1071   </xs:complexType>
1072
1073   <xs:complexType name="tSetShutterStrobeDurationCommand">
1074      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1075      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1076      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1077      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1078      <xs:attribute name="ToTiming" use="required">
1079        <xs:simpleType>
1080          <xs:restriction base="xs:string">
1081            <xs:enumeration value="Absolute" />
1082            <xs:enumeration value="Relative" />
1083          </xs:restriction>
1084        </xs:simpleType>
1085      </xs:attribute>
1086      <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1087      <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1088   </xs:complexType>
1089
1090   <xs:complexType name="tSetFocusModeCommand">
1091      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1092      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1093      <xs:attribute name="ToMode" use="required">
1094        <xs:simpleType>
1095          <xs:restriction base="xs:string">
1096            <xs:enumeration value="Normal" />
1097            <xs:enumeration value="Auto" />
1098          </xs:restriction>
1099        </xs:simpleType>
1100      </xs:attribute>
1101   </xs:complexType>
1102
```

```
1093      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1094      <xs:attribute name="Mode" type="cef:tLightMode" use="required"/>
1095      <xs:attribute name="ToStartLevel" type="cef:tColorTemperatureRangeValue" use="required
    "/>
1096      <xs:attribute name="ToEndLevel" type="cef:tColorTemperatureRangeValue" use="required"/>
1097   </xs:complexType>
1098
1099   <xs:complexType name="tSetShutterCommand">
1100      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1101      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1102      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1103      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1104   </xs:complexType>
1105
1106   <xs:complexType name="tSetShutterStrobeCommand">
1107      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1108      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1109      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1110      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1111      <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1112      <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1113   </xs:complexType>
1114
1115   <xs:complexType name="tSetShutterStrobeRateCommand">
1116      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1117      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1118      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1119      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1120   </xs:complexType>
1121
1122   <xs:complexType name="tSetShutterStrobeVariableRateCommand">
1123      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1124      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1125      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1126      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1127      <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1128      <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1129   </xs:complexType>
1130
1131   <xs:complexType name="tSetShutterStrobeDurationCommand">
1132      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1133      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1134      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1135      <xs:attribute name="Cell" type="xs:unsignedInt" use="required"/>
1136      <xs:attribute name="ToTiming" use="required">
1137        <xs:simpleType>
1138          <xs:restriction base="xs:string">
1139            <xs:enumeration value="Absolute" />
1140            <xs:enumeration value="Relative" />
1141          </xs:restriction>
1142        </xs:simpleType>
1143      </xs:attribute>
1144      <xs:attribute name="ToStartLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1145      <xs:attribute name="ToEndLevelDuration" type="cef:tSimpleRangeValue" use="required"/>
1146   </xs:complexType>
1147
1148   <xs:complexType name="tSetFocusModeCommand">
1149      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1150      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1151      <xs:attribute name="ToMode" use="required">
1152        <xs:simpleType>
1153          <xs:restriction base="xs:string">
1154            <xs:enumeration value="Normal" />
1155            <xs:enumeration value="Auto" />
1156          </xs:restriction>
1157        </xs:simpleType>
1158      </xs:attribute>
1159   </xs:complexType>
1160
```

```
1103   <xs:complexType name="tSetFrostLevelCommand">                                          1161   <xs:complexType name="tSetFrostLevelCommand">
1104     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1162     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1105     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>                1163     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1106     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>             1164     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1107     <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>     1165     <xs:attribute name="ToStartLevel" type="cef:tSimpleRangeValue" use="required"/>
1108     <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>       1166     <xs:attribute name="ToEndLevel" type="cef:tSimpleRangeValue" use="required"/>
1109   </xs:complexType>                                                                      1167   </xs:complexType>
1110                                                                                           1168
1111   <xs:complexType name="tSetFrostStrobeCommand">                                         1169   <xs:complexType name="tSetFrostStrobeCommand">
1112     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1170     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1113     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>                1171     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1114     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>             1172     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="required"/>
1115     <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>                 1173     <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1116     <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>     1174     <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1117     <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/> 1175     <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1118     <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>   1176     <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1119   </xs:complexType>                                                                      1177   </xs:complexType>
1120                                                                                           1178
1121   <xs:complexType name="tCustomFrostCommand">                                            1179   <xs:complexType name="tCustomFrostCommand">
1122     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1180     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1123     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>                1181     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1124     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="optional"/>             1182     <xs:attribute name="FrostIndex" type="cef:tFrostIndex" use="optional"/>
1125     <xs:attribute name="Usage" use="required">                                          1183     <xs:attribute name="Usage" use="required">
1126       <xs:simpleType>                                                                   1184       <xs:simpleType>
1127         <xs:restriction base="xs:string">                                               1185         <xs:restriction base="xs:string">
1128           <xs:enumeration value="Snap" />                                               1186           <xs:enumeration value="Snap" />
1129           <xs:enumeration value="Range" />                                              1187           <xs:enumeration value="Range" />
1130         </xs:restriction>                                                               1188         </xs:restriction>
1131       </xs:simpleType>                                                                  1189       </xs:simpleType>
1132     </xs:attribute>                                                                     1190     </xs:attribute>
1133     <xs:attribute name="Description" type="xs:string" use="required"/>                  1191     <xs:attribute name="Description" type="xs:string" use="required"/>
1134     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>             1192     <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1135     <xs:attribute name="From" type="xs:string" use="optional"/>                         1193     <xs:attribute name="From" type="xs:string" use="optional"/>
1136     <xs:attribute name="To" type="xs:string" use="optional"/>                           1194     <xs:attribute name="To" type="xs:string" use="optional"/>
1137   </xs:complexType>                                                                      1195   </xs:complexType>
1138                                                                                           1196
1139   <xs:complexType name="tSetWheelModeCommand">                                           1197   <xs:complexType name="tSetWheelModeCommand">
1140     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1198     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1141     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>                1199     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1142     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>             1200     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1143     <xs:attribute name="ToMode" type="cef:tWheelMode" use="required"/>                  1201     <xs:attribute name="ToMode" type="cef:tWheelMode" use="required"/>
1144   </xs:complexType>                                                                      1202   </xs:complexType>
1145                                                                                           1203
1146   <xs:complexType name="tSetWheelSpinDirectionCommand">                                  1204   <xs:complexType name="tSetWheelSpinDirectionCommand">
1147     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1205     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1148     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>                1206     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1149     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>             1207     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1150     <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>    1208     <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
1151   </xs:complexType>                                                                      1209   </xs:complexType>
1152                                                                                           1210
1153   <xs:complexType name="tSetWheelPositionCommand">                                       1211   <xs:complexType name="tSetWheelPositionCommand">
1154     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1212     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1155     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>                1213     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1156     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>             1214     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1157     <xs:attribute name="Mode" type="cef:tNonRandomWheelMode" use="required"/>           1215     <xs:attribute name="Mode" type="cef:tNonRandomWheelMode" use="required"/>
1158     <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>          1216     <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1159     <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>            1217     <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1160   </xs:complexType>                                                                      1218   </xs:complexType>
1161                                                                                           1219
1162   <xs:complexType name="tSetWheelRandomPositionSpeedCommand">                            1220   <xs:complexType name="tSetWheelRandomPositionSpeedCommand">
1163     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1221     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1164     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>                1222     <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1165     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>             1223     <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1166     <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>             1224     <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1167     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>               1225     <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1168   </xs:complexType>                                                                      1226   </xs:complexType>
1169                                                                                           1227
1170   <xs:complexType name="tSetWheelSpeedCommand">                                          1228   <xs:complexType name="tSetWheelSpeedCommand">
1171     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>              1229     <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
```

```
1172        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1173        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1174        <xs:attribute name="Mode" type="cef:tWheelMode" use="required"/>
1175        <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1176        <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1177    </xs:complexType>
1178
1179    <xs:complexType name="tSetWheelShutterModeCommand">
1180        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1181        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1182        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1183        <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
1184    </xs:complexType>
1185
1186    <xs:complexType name="tSetWheelDepthPositionCommand">
1187        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1188        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1189        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1190        <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1191        <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1192    </xs:complexType>
1193
1194    <xs:complexType name="tSetWheelDepthStrobeCommand">
1195        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1196        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1197        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1198        <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1199        <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1200        <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1201    </xs:complexType>
1202
1203    <xs:complexType name="tSetWheelDepthOrientationCommand">
1204        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1205        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1206        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1207        <xs:attribute name="ToStartLevelOrientation" type="xs:float" use="required"/>
1208        <xs:attribute name="ToEndLevelOrientation" type="xs:float" use="required"/>
1209    </xs:complexType>
1210
1211    <xs:complexType name="tSetWheelFrameModeCommand">
1212        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1213        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1214        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1215        <xs:attribute name="ToMode" type="cef:tWheelFrameMode" use="required"/>
1216    </xs:complexType>
1217
1218    <xs:complexType name="tSetWheelFrameSpinDirectionCommand">
1219        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1220        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1221        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1222        <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
1223    </xs:complexType>
1224
1225    <xs:complexType name="tSetWheelFramePositionCommand">
1226        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1227        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1228        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1229        <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1230        <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1231        <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1232    </xs:complexType>
1233
1234    <xs:complexType name="tSetWheelFrameSpeedCommand">
1235        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1236        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1237        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1238        <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1239        <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1240        <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
```

```
1230        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1231        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1232        <xs:attribute name="Mode" type="cef:tWheelMode" use="required"/>
1233        <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1234        <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
1235    </xs:complexType>
1236
1237    <xs:complexType name="tSetWheelShutterModeCommand">
1238        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1239        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1240        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1241        <xs:attribute name="ToShutterMode" type="cef:tOnOff" use="required"/>
1242    </xs:complexType>
1243
1244    <xs:complexType name="tSetWheelDepthPositionCommand">
1245        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1246        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1247        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1248        <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1249        <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1250    </xs:complexType>
1251
1252    <xs:complexType name="tSetWheelDepthStrobeCommand">
1253        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1254        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1255        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1256        <xs:attribute name="ToTransition" type="cef:tStrobeTransition" use="required"/>
1257        <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1258        <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1259    </xs:complexType>
1260
1261    <xs:complexType name="tSetWheelDepthOrientationCommand">
1262        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1263        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1264        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1265        <xs:attribute name="ToStartLevelOrientation" type="xs:float" use="required"/>
1266        <xs:attribute name="ToEndLevelOrientation" type="xs:float" use="required"/>
1267    </xs:complexType>
1268
1269    <xs:complexType name="tSetWheelFrameModeCommand">
1270        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1271        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1272        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1273        <xs:attribute name="ToMode" type="cef:tWheelFrameMode" use="required"/>
1274    </xs:complexType>
1275
1276    <xs:complexType name="tSetWheelFrameSpinDirectionCommand">
1277        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1278        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1279        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1280        <xs:attribute name="ToDirection" type="cef:tWheelSpinDirection" use="required"/>
1281    </xs:complexType>
1282
1283    <xs:complexType name="tSetWheelFramePositionCommand">
1284        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1285        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1286        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1287        <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1288        <xs:attribute name="ToStartLevelPosition" type="xs:float" use="required"/>
1289        <xs:attribute name="ToEndLevelPosition" type="xs:float" use="required"/>
1290    </xs:complexType>
1291
1292    <xs:complexType name="tSetWheelFrameSpeedCommand">
1293        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1294        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1295        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="required"/>
1296        <xs:attribute name="Mode" type="cef:tWheelFrameMode" use="required"/>
1297        <xs:attribute name="ToStartLevelSpeed" type="xs:float" use="required"/>
1298        <xs:attribute name="ToEndLevelSpeed" type="xs:float" use="required"/>
```

```
1241      </xs:complexType>
1242
1243      <xs:complexType name="tCustomWheelCommand">
1244        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1245        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1246        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="optional"/>
1247        <xs:attribute name="Usage" use="required">
1248          <xs:simpleType>
1249            <xs:restriction base="xs:string">
1250              <xs:enumeration value="Snap" />
1251              <xs:enumeration value="Range" />
1252            </xs:restriction>
1253          </xs:simpleType>
1254        </xs:attribute>
1255        <xs:attribute name="Description" type="xs:string" use="required"/>
1256        <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1257        <xs:attribute name="From" type="xs:string" use="optional"/>
1258        <xs:attribute name="To" type="xs:string" use="optional"/>
1259      </xs:complexType>
1260
1261      <xs:complexType name="tSetFramingShutterDepthCommand">
1262        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1263        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1264        <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1265        <xs:attribute name="ToStartLevelDepth" type="cef:tFramingShutterDepthValue" use="requi
      red"/>
1266        <xs:attribute name="ToEndLevelDepth" type="cef:tFramingShutterDepthValue" use="require
      d"/>
1267      </xs:complexType>
1268
1269      <xs:complexType name="tSetFramingShutterAngleCommand">
1270        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1271        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1272        <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1273        <xs:attribute name="ToStartLevelAngle" type="cef:tFramingShutterAngleValue" use="requi
      red"/>
1274        <xs:attribute name="ToEndLevelAngle" type="cef:tFramingShutterAngleValue" use="require
      d"/>
1275      </xs:complexType>
1276
1277      <xs:complexType name="tSetFramingShutterPackageAngleCommand">
1278        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1279        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1280        <xs:attribute name="ToStartLevelAngle" type="xs:float" use="required"/>
1281        <xs:attribute name="ToEndLevelAngle" type="xs:float" use="required"/>
1282      </xs:complexType>
1283
1284      <xs:complexType name="tSetMotionModeCommand">
1285        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1286        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1287        <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1288        <xs:attribute name="ToMode" use="required">
1289          <xs:simpleType>
1290            <xs:restriction base="xs:string">
1291              <xs:enumeration value="Indexed" />
1292              <xs:enumeration value="Spinning" />
1293            </xs:restriction>
1294          </xs:simpleType>
1295        </xs:attribute>
1296      </xs:complexType>
1297
1298      <xs:complexType name="tMotionCommand">
1299        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1300        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1301        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1302        <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1303      </xs:complexType>
1304
1305      <xs:complexType name="tSetMotionDirectionCommand">
```

```
1299      </xs:complexType>
1300
1301      <xs:complexType name="tCustomWheelCommand">
1302        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1303        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1304        <xs:attribute name="WheelIndex" type="cef:tWheelIndex" use="optional"/>
1305        <xs:attribute name="Usage" use="required">
1306          <xs:simpleType>
1307            <xs:restriction base="xs:string">
1308              <xs:enumeration value="Snap" />
1309              <xs:enumeration value="Range" />
1310            </xs:restriction>
1311          </xs:simpleType>
1312        </xs:attribute>
1313        <xs:attribute name="Description" type="xs:string" use="required"/>
1314        <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1315        <xs:attribute name="From" type="xs:string" use="optional"/>
1316        <xs:attribute name="To" type="xs:string" use="optional"/>
1317      </xs:complexType>
1318
1319      <xs:complexType name="tSetFramingShutterDepthCommand">
1320        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1321        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1322        <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1323        <xs:attribute name="ToStartLevelDepth" type="cef:tFramingShutterDepthValue" use="requi
      red"/>
1324        <xs:attribute name="ToEndLevelDepth" type="cef:tFramingShutterDepthValue" use="require
      d"/>
1325      </xs:complexType>
1326
1327      <xs:complexType name="tSetFramingShutterAngleCommand">
1328        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1329        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1330        <xs:attribute name="Index" type="cef:tFramingShutterIndex" use="required"/>
1331        <xs:attribute name="ToStartLevelAngle" type="cef:tFramingShutterAngleValue" use="requi
      red"/>
1332        <xs:attribute name="ToEndLevelAngle" type="cef:tFramingShutterAngleValue" use="require
      d"/>
1333      </xs:complexType>
1334
1335      <xs:complexType name="tSetFramingShutterPackageAngleCommand">
1336        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1337        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1338        <xs:attribute name="ToStartLevelAngle" type="xs:float" use="required"/>
1339        <xs:attribute name="ToEndLevelAngle" type="xs:float" use="required"/>
1340      </xs:complexType>
1341
1342      <xs:complexType name="tSetMotionModeCommand">
1343        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1344        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1345        <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1346        <xs:attribute name="ToMode" use="required">
1347          <xs:simpleType>
1348            <xs:restriction base="xs:string">
1349              <xs:enumeration value="Indexed" />
1350              <xs:enumeration value="Spinning" />
1351            </xs:restriction>
1352          </xs:simpleType>
1353        </xs:attribute>
1354      </xs:complexType>
1355
1356      <xs:complexType name="tMotionCommand">
1357        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1358        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1359        <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1360        <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1361      </xs:complexType>
1362
1363      <xs:complexType name="tSetMotionDirectionCommand">
```

```
1306      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1307      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1308      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1309      <xs:attribute name="ToDirection" use="required">
1310        <xs:simpleType>
1311          <xs:restriction base="xs:string">
1312            <xs:enumeration value="Reverse" />
1313            <xs:enumeration value="Forward" />
1314          </xs:restriction>
1315        </xs:simpleType>
1316      </xs:attribute>
1317    </xs:complexType>
1318
1319    <xs:complexType name="tMotionSpeedCommand">
1320      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1321      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1322      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1323      <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1324      <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1325    </xs:complexType>
1326
1327    <xs:complexType name="tMotionTimeCommand">
1328      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1329      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1330      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1331      <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1332      <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1333    </xs:complexType>
1334
1335    <xs:complexType name="tSetVectorPositionCommand">
1336      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1337      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1338      <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1339      <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required"/>
1340      <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1341    </xs:complexType>
1342
1343    <xs:complexType name="tSelectMacroCatalogCommand">
1344      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1345      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1346      <xs:attribute name="Catalog" type="xs:unsignedByte" use="required"/>
1347      <xs:attribute name="Text" type="xs:string" use="optional" />
1348    </xs:complexType>
1349
1350    <xs:complexType name="tSelectMacroCommand">
1351      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1352      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1353      <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1354      <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1355      <xs:attribute name="Text" type="xs:string" use="optional" />
1356    </xs:complexType>
1357
1358    <xs:complexType name="tMacroParameterCommand">
1359      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1360      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1361      <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1362      <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1363      <xs:attribute name="Usage" use="required">
1364        <xs:simpleType>
1365          <xs:restriction base="xs:string">
1366            <xs:enumeration value="Snap" />
1367            <xs:enumeration value="Range" />
1368          </xs:restriction>
1369        </xs:simpleType>
1370      </xs:attribute>
1371      <xs:attribute name="Description" type="xs:string" use="required"/>
1372      <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1373      <xs:attribute name="From" type="xs:string" use="optional"/>
1374      <xs:attribute name="To" type="xs:string" use="optional"/>
```

```
1364      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1365      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1366      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1367      <xs:attribute name="ToDirection" use="required">
1368        <xs:simpleType>
1369          <xs:restriction base="xs:string">
1370            <xs:enumeration value="Reverse" />
1371            <xs:enumeration value="Forward" />
1372          </xs:restriction>
1373        </xs:simpleType>
1374      </xs:attribute>
1375    </xs:complexType>
1376
1377    <xs:complexType name="tMotionSpeedCommand">
1378      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1379      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1380      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1381      <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1382      <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1383    </xs:complexType>
1384
1385    <xs:complexType name="tMotionTimeCommand">
1386      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1387      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1388      <xs:attribute name="Index" type="cef:tAxisIndex" use="required"/>
1389      <xs:attribute name="ToStartTime" type="cef:tTimeRangeValue" use="required"/>
1390      <xs:attribute name="ToEndTime" type="cef:tTimeRangeValue" use="required"/>
1391    </xs:complexType>
1392
1393    <xs:complexType name="tSetVectorPositionCommand">
1394      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1395      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1396      <xs:attribute name="Index" type="xs:unsignedInt" use="required"/>
1397      <xs:attribute name="ToStartPosition" type="cef:tUnboundedRangeValue" use="required"/>
1398      <xs:attribute name="ToEndPosition" type="cef:tUnboundedRangeValue" use="required"/>
1399    </xs:complexType>
1400
1401    <xs:complexType name="tSelectMacroCatalogCommand">
1402      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1403      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1404      <xs:attribute name="Catalog" type="xs:unsignedByte" use="required"/>
1405      <xs:attribute name="Text" type="xs:string" use="optional" />
1406    </xs:complexType>
1407
1408    <xs:complexType name="tSelectMacroCommand">
1409      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1410      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1411      <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1412      <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1413      <xs:attribute name="Text" type="xs:string" use="optional" />
1414    </xs:complexType>
1415
1416    <xs:complexType name="tMacroParameterCommand">
1417      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1418      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1419      <xs:attribute name="Catalog" type="xs:unsignedByte" use="optional"/>
1420      <xs:attribute name="Index" type="xs:unsignedByte" use="required"/>
1421      <xs:attribute name="Usage" use="required">
1422        <xs:simpleType>
1423          <xs:restriction base="xs:string">
1424            <xs:enumeration value="Snap" />
1425            <xs:enumeration value="Range" />
1426          </xs:restriction>
1427        </xs:simpleType>
1428      </xs:attribute>
1429      <xs:attribute name="Description" type="xs:string" use="required"/>
1430      <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1431      <xs:attribute name="From" type="xs:string" use="optional"/>
1432      <xs:attribute name="To" type="xs:string" use="optional"/>
```

```
1375      </xs:complexType>
1376
1377      <xs:complexType name="tSetMacroDirectionCommand">
1378        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1379        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1380        <xs:attribute name="ToDirection" use="required">
1381          <xs:simpleType>
1382            <xs:restriction base="xs:string">
1383              <xs:enumeration value="Reverse" />
1384              <xs:enumeration value="Forward" />
1385            </xs:restriction>
1386          </xs:simpleType>
1387        </xs:attribute>
1388      </xs:complexType>
1389
1390      <xs:complexType name="tSetMacroRotationPositionCommand">
1391        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1392        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1393        <xs:attribute name="ToStartLevelAngle" use="required">
1394          <xs:simpleType>
1395            <xs:restriction base="xs:float">
1396              <xs:minInclusive value="0"/>
1397              <xs:maxInclusive value="360"/>
1398            </xs:restriction>
1399          </xs:simpleType>
1400        </xs:attribute>
1401        <xs:attribute name="ToEndLevelAngle" use="required">
1402          <xs:simpleType>
1403            <xs:restriction base="xs:float">
1404              <xs:minInclusive value="0"/>
1405              <xs:maxInclusive value="360"/>
1406            </xs:restriction>
1407          </xs:simpleType>
1408        </xs:attribute>
1409      </xs:complexType>
1410
1411      <xs:complexType name="tSetMacroRotationSpinCommand">
1412        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1413        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1414        <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1415        <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1416      </xs:complexType>
1417
1418      <xs:complexType name="tSetMacroRotationDirectionCommand">
1419        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1420        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1421        <xs:attribute name="ToDirection" use="required">
1422          <xs:simpleType>
1423            <xs:restriction base="xs:string">
1424              <xs:enumeration value="Reverse" />
1425              <xs:enumeration value="Forward" />
1426            </xs:restriction>
1427          </xs:simpleType>
1428        </xs:attribute>
1429      </xs:complexType>
1430
1431      <xs:complexType name="tSetMacroFadeTimeCommand">
1432        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1433        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1434        <xs:attribute name="ToStartTime" type="cef:tWideRangeValue" use="required"/>
1435        <xs:attribute name="ToEndTime" type="cef:tWideRangeValue" use="required"/>
1436      </xs:complexType>
1437
1438      <xs:complexType name="tSetLampModeCommand">
1439        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1440        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1441        <xs:attribute name="ToMode" use="required">
1442          <xs:simpleType>
1443            <xs:restriction base="xs:string">
```

```
1433      </xs:complexType>
1434
1435      <xs:complexType name="tSetMacroDirectionCommand">
1436        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1437        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1438        <xs:attribute name="ToDirection" use="required">
1439          <xs:simpleType>
1440            <xs:restriction base="xs:string">
1441              <xs:enumeration value="Reverse" />
1442              <xs:enumeration value="Forward" />
1443            </xs:restriction>
1444          </xs:simpleType>
1445        </xs:attribute>
1446      </xs:complexType>
1447
1448      <xs:complexType name="tSetMacroRotationPositionCommand">
1449        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1450        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1451        <xs:attribute name="ToStartLevelAngle" use="required">
1452          <xs:simpleType>
1453            <xs:restriction base="xs:float">
1454              <xs:minInclusive value="0"/>
1455              <xs:maxInclusive value="360"/>
1456            </xs:restriction>
1457          </xs:simpleType>
1458        </xs:attribute>
1459        <xs:attribute name="ToEndLevelAngle" use="required">
1460          <xs:simpleType>
1461            <xs:restriction base="xs:float">
1462              <xs:minInclusive value="0"/>
1463              <xs:maxInclusive value="360"/>
1464            </xs:restriction>
1465          </xs:simpleType>
1466        </xs:attribute>
1467      </xs:complexType>
1468
1469      <xs:complexType name="tSetMacroRotationSpinCommand">
1470        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1471        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1472        <xs:attribute name="ToStartSpeed" type="cef:tWideRangeValue" use="required"/>
1473        <xs:attribute name="ToEndSpeed" type="cef:tWideRangeValue" use="required"/>
1474      </xs:complexType>
1475
1476      <xs:complexType name="tSetMacroRotationDirectionCommand">
1477        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1478        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1479        <xs:attribute name="ToDirection" use="required">
1480          <xs:simpleType>
1481            <xs:restriction base="xs:string">
1482              <xs:enumeration value="Reverse" />
1483              <xs:enumeration value="Forward" />
1484            </xs:restriction>
1485          </xs:simpleType>
1486        </xs:attribute>
1487      </xs:complexType>
1488
1489      <xs:complexType name="tSetMacroFadeTimeCommand">
1490        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1491        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1492        <xs:attribute name="ToStartTime" type="cef:tWideRangeValue" use="required"/>
1493        <xs:attribute name="ToEndTime" type="cef:tWideRangeValue" use="required"/>
1494      </xs:complexType>
1495
1496      <xs:complexType name="tSetLampModeCommand">
1497        <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1498        <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1499        <xs:attribute name="ToMode" use="required">
1500          <xs:simpleType>
1501            <xs:restriction base="xs:string">
```

```
1444            <xs:enumeration value="Normal" />
1445            <xs:enumeration value="LowPower" />
1446          </xs:restriction>
1447        </xs:simpleType>
1448      </xs:attribute>
1449    </xs:complexType>
1450
1451    <xs:complexType name="tSetLaserStrobeCommand">
1452      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1453      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1454      <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1455      <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1456      <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1457    </xs:complexType>
1458
1459    <xs:complexType name="tSetFanModeCommand">
1460      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1461      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1462      <xs:attribute name="ToMode" use="required">
1463        <xs:simpleType>
1464          <xs:restriction base="xs:string">
1465            <xs:enumeration value="Fast" />
1466            <xs:enumeration value="Slow" />
1467          </xs:restriction>
1468        </xs:simpleType>
1469      </xs:attribute>
1470    </xs:complexType>
1471
1472    <xs:complexType name="tCustomCommand">
1473      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1474      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1475      <xs:attribute name="Usage" use="required">
1476        <xs:simpleType>
1477          <xs:restriction base="xs:string">
1478            <xs:enumeration value="Snap" />
1479            <xs:enumeration value="Range" />
1480          </xs:restriction>
1481        </xs:simpleType>
1482      </xs:attribute>
1483      <xs:attribute name="Description" type="xs:string" use="required"/>
1484      <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1485      <xs:attribute name="From" type="xs:string" use="optional"/>
1486      <xs:attribute name="To" type="xs:string" use="optional"/>
1487    </xs:complexType>
1488
1489    <xs:complexType name="tResetCommand">
1490      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1491      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1492      <xs:attribute name="ToType" use="required">
1493        <xs:simpleType>
```

```
1502            <xs:enumeration value="Normal" />
1503            <xs:enumeration value="LowPower" />
1504          </xs:restriction>
1505        </xs:simpleType>
1506      </xs:attribute>
1507    </xs:complexType>
1508
1509    <xs:complexType name="tSetLaserStrobeCommand">
1510      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1511      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1512      <xs:attribute name="ToMode" type="cef:tStrobeMode" use="required"/>
1513      <xs:attribute name="ToStartLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1514      <xs:attribute name="ToEndLevelRate" type="cef:tSimpleRangeValue" use="required"/>
1515    </xs:complexType>
1516
1517    <xs:complexType name="tSetFanModeCommand">
1518      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1519      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1520      <xs:attribute name="ToMode" use="required">
1521        <xs:simpleType>
1522          <xs:restriction base="xs:string">
1523            <xs:enumeration value="Fast" />
1524            <xs:enumeration value="Slow" />
1525          </xs:restriction>
1526        </xs:simpleType>
1527      </xs:attribute>
1528    </xs:complexType>
1529
1530    <xs:complexType name="tCustomCommand">
1531      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1532      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1533      <xs:attribute name="Usage" use="required">
1534        <xs:simpleType>
1535          <xs:restriction base="xs:string">
1536            <xs:enumeration value="Snap" />
1537            <xs:enumeration value="Range" />
1538          </xs:restriction>
1539        </xs:simpleType>
1540      </xs:attribute>
1541      <xs:attribute name="Description" type="xs:string" use="required"/>
1542      <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1543      <xs:attribute name="From" type="xs:string" use="optional"/>
1544      <xs:attribute name="To" type="xs:string" use="optional"/>
1545    </xs:complexType>
1546
1547    <xs:complexType name="tCustomCellCommand">
1548      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1549      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1550      <xs:attribute name="Layer" type="cef:tControlLayer" use="optional"/>
1551      <xs:attribute name="Cell" type="xs:unsignedInt" use="optional"/>
1552      <xs:attribute name="Usage" use="required">
1553        <xs:simpleType>
1554          <xs:restriction base="xs:string">
1555            <xs:enumeration value="Snap" />
1556            <xs:enumeration value="Range" />
1557          </xs:restriction>
1558        </xs:simpleType>
1559      </xs:attribute>
1560      <xs:attribute name="Description" type="xs:string" use="required"/>
1561      <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1562      <xs:attribute name="From" type="xs:string" use="optional"/>
1563      <xs:attribute name="To" type="xs:string" use="optional"/>
1564    </xs:complexType>
1565
1566    <xs:complexType name="tResetCommand">
1567      <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1568      <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1569      <xs:attribute name="ToType" use="required">
1570        <xs:simpleType>
```

```
1494        <xs:restriction base="xs:string">
1495          <xs:enumeration value="Complete" />
1496          <xs:enumeration value="PanTilt" />
1497          <xs:enumeration value="Colour" />
1498          <xs:enumeration value="Gobo" />
1499          <xs:enumeration value="Strobe" />
1500          <xs:enumeration value="Focus" />
1501          <xs:enumeration value="Zoom" />
1502          <xs:enumeration value="Frost" />
1503          <xs:enumeration value="Iris" />
1504          <xs:enumeration value="AllInternal" />
1505        </xs:restriction>
1506      </xs:simpleType>
1507    </xs:attribute>
1508  </xs:complexType>
1509
1510  <xs:complexType name="tPresetCommand">
1511    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1512    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1513    <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1514    <xs:attribute name="Usage" use="required">
1515      <xs:simpleType>
1516        <xs:restriction base="xs:string">
1517          <xs:enumeration value="Snap" />
1518          <xs:enumeration value="Range" />
1519        </xs:restriction>
1520      </xs:simpleType>
1521    </xs:attribute>
1522    <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1523    <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1524    <xs:attribute name="Description" type="xs:string" use="required"/>
1525    <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1526  </xs:complexType>
1527
1528  <xs:complexType name="tPresetScrollCommand">
1529    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1530    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1531    <xs:attribute name="ToMode" use="required">
1532      <xs:simpleType>
1533        <xs:restriction base="xs:string">
1534          <xs:enumeration value="Forward" />
1535          <xs:enumeration value="Reverse" />
1536          <xs:enumeration value="Bounce" />
1537          <xs:enumeration value="Random" />
1538          <xs:enumeration value="Sound" />
1539          <xs:enumeration value="Stop" />
1540        </xs:restriction>
1541      </xs:simpleType>
1542    </xs:attribute>
1543  </xs:complexType>
1544
1545  <xs:complexType name="tTextCommand">
1546    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1547    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1548    <xs:attribute name="Description" type="xs:string" use="required"/>
1549    <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1550  </xs:complexType>
1551
1552  <!-- Common simple types-->
1553  <xs:simpleType name="tVisibility">
1554    <xs:restriction base="xs:string">
1555      <xs:enumeration value="Public" />
1556      <xs:enumeration value="Private" />
1557    </xs:restriction>
1558  </xs:simpleType>
1559
1560  <xs:simpleType name="tGoboType">
1561    <xs:restriction base="xs:string">
1562      <xs:enumeration value="Pattern" />
```

```
1571        <xs:restriction base="xs:string">
1572          <xs:enumeration value="Complete" />
1573          <xs:enumeration value="PanTilt" />
1574          <xs:enumeration value="Colour" />
1575          <xs:enumeration value="Gobo" />
1576          <xs:enumeration value="Strobe" />
1577          <xs:enumeration value="Focus" />
1578          <xs:enumeration value="Zoom" />
1579          <xs:enumeration value="Frost" />
1580          <xs:enumeration value="Iris" />
1581          <xs:enumeration value="AllInternal" />
1582        </xs:restriction>
1583      </xs:simpleType>
1584    </xs:attribute>
1585  </xs:complexType>
1586
1587  <xs:complexType name="tPresetCommand">
1588    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1589    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1590    <xs:attribute name="Cells" type="cef:tCellArray" use="optional" />
1591    <xs:attribute name="Usage" use="required">
1592      <xs:simpleType>
1593        <xs:restriction base="xs:string">
1594          <xs:enumeration value="Snap" />
1595          <xs:enumeration value="Range" />
1596        </xs:restriction>
1597      </xs:simpleType>
1598    </xs:attribute>
1599    <xs:attribute name="StartColor" type="xs:string" use="optional"/>
1600    <xs:attribute name="EndColor" type="xs:string" use="optional"/>
1601    <xs:attribute name="Description" type="xs:string" use="required"/>
1602    <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1603  </xs:complexType>
1604
1605  <xs:complexType name="tPresetScrollCommand">
1606    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1607    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1608    <xs:attribute name="ToMode" use="required">
1609      <xs:simpleType>
1610        <xs:restriction base="xs:string">
1611          <xs:enumeration value="Forward" />
1612          <xs:enumeration value="Reverse" />
1613          <xs:enumeration value="Bounce" />
1614          <xs:enumeration value="Random" />
1615          <xs:enumeration value="Sound" />
1616          <xs:enumeration value="Stop" />
1617        </xs:restriction>
1618      </xs:simpleType>
1619    </xs:attribute>
1620  </xs:complexType>
1621
1622  <xs:complexType name="tTextCommand">
1623    <xs:attribute name="StartLevel" type="xs:unsignedInt" use="required"/>
1624    <xs:attribute name="EndLevel" type="xs:unsignedInt" use="required"/>
1625    <xs:attribute name="Description" type="xs:string" use="required"/>
1626    <xs:attribute name="ShortDescription" type="xs:string" use="optional"/>
1627  </xs:complexType>
1628
1629  <!-- Common simple types-->
1630  <xs:simpleType name="tVisibility">
1631    <xs:restriction base="xs:string">
1632      <xs:enumeration value="Public" />
1633      <xs:enumeration value="Private" />
1634    </xs:restriction>
1635  </xs:simpleType>
1636
1637  <xs:simpleType name="tGoboType">
1638    <xs:restriction base="xs:string">
1639      <xs:enumeration value="Pattern" />
```

```
1563        <xs:enumeration value="Animation Disc" />
1564        <xs:enumeration value="Linear 2-Facet Prism" />
1565        <xs:enumeration value="Circular 3-Facet Prism" />
1566        <xs:enumeration value="Circular 4-Facet Prism" />
1567        <xs:enumeration value="Linear 4-Facet Prism" />
1568        <xs:enumeration value="Circular 5-Facet Prism" />
1569        <xs:enumeration value="Linear 5-Facet Prism" />
1570        <xs:enumeration value="Round 5-Facet Prism" />
1571        <xs:enumeration value="Circular 6-Facet Prism" />
1572        <xs:enumeration value="Linear 6-Facet Prism" />
1573        <xs:enumeration value="Round 6-Facet Prism" />
1574        <xs:enumeration value="Round 7-Facet Prism" />
1575        <xs:enumeration value="Circular 8-Facet Prism" />
1576        <xs:enumeration value="Linear 8-Facet Prism" />
1577        <xs:enumeration value="Round 9-Facet Prism" />
1578        <xs:enumeration value="Linear 10-Facet Prism" />
1579        <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1580        <xs:enumeration value="Circular 16-16-Facet Prism" />
1581        <xs:enumeration value="Bar Prism" />
1582        <xs:enumeration value="Comet Prism" />
1583      </xs:restriction>
1584    </xs:simpleType>
1585
1586    <xs:simpleType name="tChromaticityValue">
1587      <xs:restriction base="xs:float">
1588        <xs:minInclusive value="0"/>
1589        <xs:maxInclusive value="1"/>
1590      </xs:restriction>
1591    </xs:simpleType>
1592
1593    <xs:simpleType name="tDmxChannelOffset">
1594      <xs:restriction base="xs:unsignedInt">
1595        <xs:minInclusive value="0"/>
1596        <xs:maxInclusive value="511"/>
1597      </xs:restriction>
1598    </xs:simpleType>
1599
1600    <xs:simpleType name="tControlLayer">
1601      <xs:restriction base="xs:string">
1602        <xs:enumeration value="Individual" />
1603        <xs:enumeration value="Group" />
1604      </xs:restriction>
1605    </xs:simpleType>
1606
1607    <xs:simpleType name="tCellArray">
1608      <xs:restriction base="xs:string">
1609        <xs:pattern value="\d+(,\d+)*" />
1610      </xs:restriction>
1611    </xs:simpleType>
1612
1613    <xs:simpleType name="tSimpleRangeValue">
1614      <xs:restriction base="xs:float">
1615        <xs:minInclusive value="0"/>
1616        <xs:maxInclusive value="1"/>
1617      </xs:restriction>
1618    </xs:simpleType>
1619
1620    <xs:simpleType name="tWideRangeValue">
1621      <xs:restriction base="xs:float">
1622        <xs:minInclusive value="-1"/>
1623        <xs:maxInclusive value="1"/>
1624      </xs:restriction>
1625    </xs:simpleType>
1626
1627    <xs:simpleType name="tUnboundedRangeValue">
1628      <xs:restriction base="xs:float"/>
1629    </xs:simpleType>
1630
1631    <xs:simpleType name="tTimeRangeValue">
```

```
1640        <xs:enumeration value="Animation Disc" />
1641        <xs:enumeration value="Linear 2-Facet Prism" />
1642        <xs:enumeration value="Circular 3-Facet Prism" />
1643        <xs:enumeration value="Circular 4-Facet Prism" />
1644        <xs:enumeration value="Linear 4-Facet Prism" />
1645        <xs:enumeration value="Circular 5-Facet Prism" />
1646        <xs:enumeration value="Linear 5-Facet Prism" />
1647        <xs:enumeration value="Round 5-Facet Prism" />
1648        <xs:enumeration value="Circular 6-Facet Prism" />
1649        <xs:enumeration value="Linear 6-Facet Prism" />
1650        <xs:enumeration value="Round 6-Facet Prism" />
1651        <xs:enumeration value="Round 7-Facet Prism" />
1652        <xs:enumeration value="Circular 8-Facet Prism" />
1653        <xs:enumeration value="Linear 8-Facet Prism" />
1654        <xs:enumeration value="Round 9-Facet Prism" />
1655        <xs:enumeration value="Linear 10-Facet Prism" />
1656        <xs:enumeration value="Circular 8-8-16-Facet Prism" />
1657        <xs:enumeration value="Circular 16-16-Facet Prism" />
1658        <xs:enumeration value="Bar Prism" />
1659        <xs:enumeration value="Comet Prism" />
1660      </xs:restriction>
1661    </xs:simpleType>
1662
1663    <xs:simpleType name="tChromaticityValue">
1664      <xs:restriction base="xs:float">
1665        <xs:minInclusive value="0"/>
1666        <xs:maxInclusive value="1"/>
1667      </xs:restriction>
1668    </xs:simpleType>
1669
1670    <xs:simpleType name="tDmxChannelOffset">
1671      <xs:restriction base="xs:unsignedInt">
1672        <xs:minInclusive value="0"/>
1673        <xs:maxInclusive value="511"/>
1674      </xs:restriction>
1675    </xs:simpleType>
1676
1677    <xs:simpleType name="tControlLayer">
1678      <xs:restriction base="xs:string">
1679        <xs:enumeration value="Individual" />
1680        <xs:enumeration value="Group" />
1681      </xs:restriction>
1682    </xs:simpleType>
1683
1684    <xs:simpleType name="tCellArray">
1685      <xs:restriction base="xs:string">
1686        <xs:pattern value="\d+(,\d+)*" />
1687      </xs:restriction>
1688    </xs:simpleType>
1689
1690    <xs:simpleType name="tSimpleRangeValue">
1691      <xs:restriction base="xs:float">
1692        <xs:minInclusive value="0"/>
1693        <xs:maxInclusive value="1"/>
1694      </xs:restriction>
1695    </xs:simpleType>
1696
1697    <xs:simpleType name="tWideRangeValue">
1698      <xs:restriction base="xs:float">
1699        <xs:minInclusive value="-1"/>
1700        <xs:maxInclusive value="1"/>
1701      </xs:restriction>
1702    </xs:simpleType>
1703
1704    <xs:simpleType name="tUnboundedRangeValue">
1705      <xs:restriction base="xs:float"/>
1706    </xs:simpleType>
1707
1708    <xs:simpleType name="tTimeRangeValue">
```

```
1632       <xs:restriction base="xs:float">                                    1709       <xs:restriction base="xs:float">
1633         <xs:minInclusive value="0"/>                                        1710         <xs:minInclusive value="0"/>
1634       </xs:restriction>                                                      1711       </xs:restriction>
1635     </xs:simpleType>                                                         1712     </xs:simpleType>
1636                                                                              1713
1637     <xs:simpleType name="tColorRenderingIndexRangeValue">                    1714     <xs:simpleType name="tColorRenderingIndexRangeValue">
1638       <xs:restriction base="xs:float">                                      1715       <xs:restriction base="xs:float">
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1717
1718    <xs:simpleType name="tLightMode">
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1737        <xs:enumeration value="Oscillating" />
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