

Project Wide Standards

General Formats

Colour – colours are to be given in hexadecimal.

Time – Integer values for time in seconds.

Media Formats

Audio – mp3

Images – png

Videos mp4

Main Elements

Root element – should be named slideshow

Child elements – three main child elements should be named documentinfo, defaults and slide

Example

```
<slideshow>
  <documentinfo>
  </documentinfo>
  <defaults>
  </defaults>
  <slide>
  </slide>
</slideshow>
```

<documentinfo> Sub Child Elements

Element Name	Description	Type
author	Author's name	String
version	Version of presentation	String
title	Title of document	String
comment	Description of presentation	String
width	Presentation width in pixels	Integer
height	Presentation height in pixels	Integer

Example

```
<documentinfo>
  <author>Stuart Porter</author>
  <version>1.0</version>
  <title>Presentation</title>
  <comment>Sample of the MediaPlayer input File</comment>
  <width>640</width>
  <height>480</height>
</documentinfo>
```

<defaults> Sub Child Elements

Element Name	Type
backgroundcolor	String
font	String
fontsize	Integer
fontcolor	String
linecolor	String
fillcolor	String

Example

```
<default>
  <backgroundcolor>#00FF00</ backgroundcolor >
  <font>Times New Roman</font>
  <fontsize>24pt</fontsize>
  <fontcolor>#0000FF</fontcolor>
  <linecolor>#00FF00</linecolor>
  <fillcolor>#FF0000</fillcolor>
</default>
```

<slide> Attributes

Attribute Name	Type	Required or Implied
id	Integer	Required
duration	Integer	Implied
lastslide	Boolean	Implied

The Slide id attribute determines the order in which the slides are played (0 is the first slide).

<slide> Sub Child Elements

Element Name(type)	Attributes (type)	Required or Implied	Sub Elements
text	font(String)	Implied	textbody(String)
	fontsize(Int)	Implied	
	fontcolor(String)	Implied	
	xstart(Int)	Required	
	ystart(Int)	Required	
	starttime(Int)	Implied	
	duration(Int)	Implied	
	layer(Int)	Implied	
	xend(Int)	Required	
	yend(Int)	Required	
textbody	bold (Bool)	Implied	textstring (String)
	italic (Bool)	Implied	
	underlined (Bool)	Implied	
	branch(Int)	Implied	
shape	totalpoints(Int)	Required	point
	width(Int)	Required	
	height(Int)	Required	
	fillcolor(String)	Implied	
	starttime(Int)	Implied	
	duration (Int)	Implied	
	layer(Int)	Implied	
	linecolor(String)	Implied	
	branch(Int)	Implied	
audio	urlName(String)	Required	
	starttime(Int)	Implied	
	loop(Bool)	Implied	
image	urlName(String)	Required	
	xstart(Int)	Required	
	ystart(Int)	Required	
	width(Int)	Implied	
	height(Int)	Implied	
	starttime(Int)	Implied	
	duration(Int)	Implied	
	layer(Int)	Implied	
	branch(Int)	Implied	
video	urlName(String)	Required	
	starttime(Int)	Implied	
	loop(Bool)	Implied	
	xstart(Int)	Required	
	width(Int)	Implied	

height(Int)	Implied
ystart(Int)	Required
layer(Int)	Implied
duration(int)	Implied

Example

```
<text layer="6" xstart="20" ystart="50" xend="500"
yend="800"font="Calibri" fontsize="12" fontcolor="#556611">
  <textbody><textstring>The quick </textstring></textbody>
  <textbody bold="true">
    <textstring>brown</textstring>
  </textbody>
  <textbody italic="true">
    <textstring>fox\n</textstring>
  </textbody>
  <textbody underlined="true">
    <textstring>jumped \t</textstring>
  </textbody>
  <textbody bold="true"italic="true">
    <textstring>over the</textstring>
  </textbody>
  <textbody branch="7">
    <textstring>lazy dog</textstring>
  </textbody>
</text>
```

This should give:

The quick **brown** fox
jumped **over** the lazy dog

Notes on text:

- A new line is determined by /n.
- A tab is determined by /t.
- Escape sequences should use backslashes
- Text should wrap: xend sets the wrap width, yend causes the text to disappear.
- Textbody: The text should always be displayed in the order written in the XML.

<shape> Element

Shape element will contain data regarding building graphics. Attribute 'totalpoints' defines total number of corners the shape has, if 'totalpoints' has a value of '1' then shape is to be regarded as a circle. The sub element within shape defines the coordinates of the points and a point number, it is assumed that lines between consecutive numbers.

<point> Element

Attribute Name	Description	Type
num	Point number	Int
x	X coordinate	Int
y	Y Coordinate	Int

Shape Examples

Circle:

```
<shape totalpoints="1" width="5" height="5" >
    <Point num="1" x="50" y="50"/>
</shape>
```

Line:

```
<shape totalpoints="2" width="1" height="1" >
    <point num="1" x="50" y="50"/>
    <point num="2" x="100" y="100"/>
</shape>
```

Triangle:

```
<shape totalpoints="3" width="1" height="1" >
    <point num="1" x="50" y="50"/>
    <point num="2" x="100" y="100"/>
    <point num="3" x="75" y="75"/>
</shape>
```

XML Schema

The XML Schema is available in the document MMPE_Schema.xsd

Document Type Definition

The Document Type Definition is available in the document MMPE_Definition.dtd

Revision History

Version	Status	Date	Edited By	Description of change
0.1	Draft	03/02/14	M. Vuong	Initial draft
0.2	Draft	03/02/14	H. Smith-Andrews	Modifications to some schema definitions
0.3	Draft	04/02/14	S. Nicholson	Added width and height tags, added schema and DTD
0.4	Draft	10/02/14	Henry Smith-Andrews	Group wide meeting edit:
0.5	Draft	12/02/14	M. Vuong	Added shape description
0.6		10/03/14	J Carter	Edited according the meeting notes on 10/03/14
0.7		11/03/14	J Carter	idem
0.8		12/03/14	J Carter	idem
0.9		20/03/14	J Carter	Slide Id determines order of slides
0.10		27/05/14	M. Juggins	Renamed incorrect "camel case" attributes and capitalised all types to match the past majority.