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# Information technology — Multimedia application format (MPEG-A) —

## Part 4: Musical slide show application format

## AMENDMENT 1: Conformance and reference software for musical slide show application format

*Technologies de l'information — Format pour application multimédia (MPEG-A) —*

*Partie 4: Format pour application de présentation musicale de diapositives*

*AMENDEMENT 1: Logiciel de conformité et de référence pour format pour application de présentation musicale de diapositives*

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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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Amendment 1 to ISO/IEC 23000-4:2009 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

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# Information technology — Multimedia application format (MPEG-A) —

## Part 4:
## Musical slide show application format

## AMENDMENT 1: Conformance and reference software for musical slide show application format

*After Clause 10, add the following two new clauses*:

## 11 Conformance

### 11.1 Introduction

The following section defines the conformance points for the file format and device.

### 11.2 File conformance points

#### 11.2.1 File structure

##### 11.2.1.1 General

Conformant files shall be readable by the MSS application format reference software player. The general file-level structure of the files shall conform to the normative file structure defined in 5.3.

##### 11.2.1.2 List of files

| Sample files | Mode types | Description |
|---|---|---|
| mss_basic.mp4 | Basic | A conformant file shall contain one audio track with track-level metadata box containing MPEG-7 metadata, and one slide show track with track-level metadata box containing MPEG-7 metadata. |
| mss_enhanced.mp4 | Enhanced | A conformant file shall contain one audio track with track-level metadata box containing MPEG-7 metadata, one slide show track with track-level metadata box containing MPEG-7 metadata, and one movie-level metadata box containing LASeR scene description for animation. |

#### 11.2.2 Animation

The LASeR scene description shall conform to LASeR specification as defined in 6.3.

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#### 11.2.3 Timed text

The timed text sample structure shall conform to 3GPP TS 26.245 timed text specification.

#### 11.2.4 Metadata

Metadata shall conform to MPEG-7 MDS specification as defined in 6.5.

### 11.2 Player conformance points

Conformant players shall be able to read and decode files that satisfy the file conformance points defined in 7.2.

## 12 Reference software

### 12.1 Introduction

This clause provides a technical description on the structure, functionalities, and dependencies of the reference software.

### 12.2 Software architecture and components

The basic aim for the reference software is to provide an application that enables the user to create and play a simple Musical slide show file. AMD1.1 shows the architecture model for the reference software. The application mainly uses three different core modules (SVGApiLib, MPEG4ip, and FMOD) for creation and playback. All modules are accessed through interface classes (except for the SVG dll).

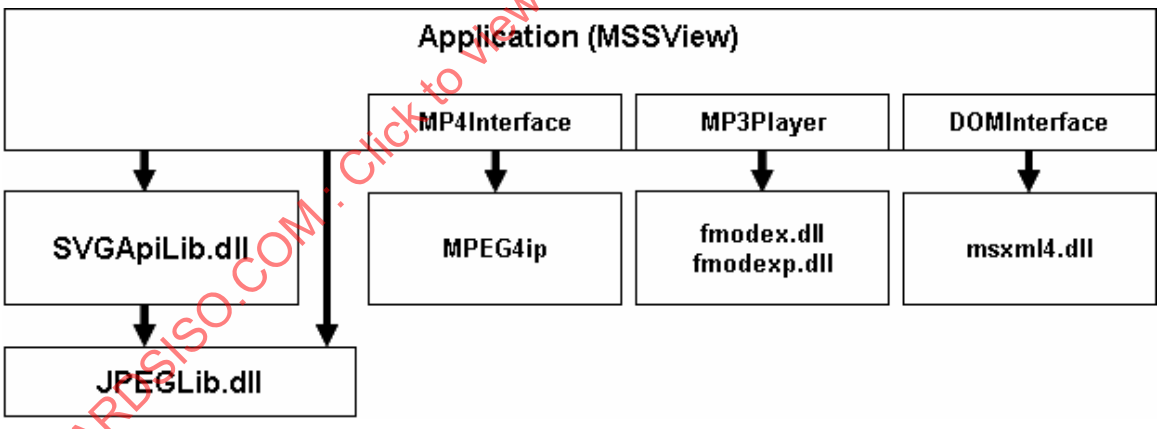


**Figure AMD1.1 — Software architecture model**

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