

**AVCREC™**

**White Paper  
AVCREC  
Rewritable Format**

**Audio Visual Application  
Format Specifications  
for AVCREC**

**March 2008**

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## 1. General

This document describes the overview of “System Description AVCREC Rewritable Format Part3: Audio Visual Basic Specifications Version 1.0” (hereafter AVCREC Part3 V1.0) by referring to “System Description Blu-ray Disc Rewritable Format Part3: Audio Visual Basic Specifications V2.1” (hereafter BD-RE Part3 V2.1).

## 2. Difference from BD-RE Part3 V2.1 (BDAV)

AVCREC Part3 V1.0 has been developed to enable recording and playback of BDAV contents on DVD media. There is playback capability difference between two formats. AVCREC Part3 V1.0 requires that all players and recorders are able to play back MPEG-4 AVC video stream when the stream is recorded in the manner of “Transcode mode”. According to BD-RE Part 3 V2.1, playback of such streams is optional.

“Transcode mode” is a predetermined recording method with transcoding. For example, MPEG-2 video stream in the broadcast program is re-encoded to a lower bitrate MPEG-4 AVC video stream, while the other elementary streams keep the original. This is useful to make longer time recording possible on a small capacity medium such as DVD.

**Note:** The overview of BDAV logical format is described in White Paper of BD-RE Part3 V2.1.