

## Important Notice to the subscribers of the DVD-RAM Format Specifications Book Ver.2.2, regarding disc cracking at higher rotation speed

### 1. Scope.

This important notice is provided for the DVD-RAM Specifications Book Ver.2.2 Subscribers engaged in manufacturing “Class 1” DVD-RAM discs that include the basic recording speed of 6X and optional recording speeds of 8X, 12X and 16X (hereinafter “Subscribers”).

### 2. Background.

DVD Specifications for Rewritable Disc (DVD-RAM) Part 1 PHYSICAL SPECIFICATIONS Version 2.1 were upgraded to Ver.2.2 in March 2004, where the new concept “Class” was introduced. Now, there are two “Classes” in Version 2.2, that is “Class 0” including the basic recording speed of 2X and optional recording speeds of 3X and 5X, and “Class 1” including the basic recording speed of 6X and optional recording speeds of 8X, 12X and 16X. This notice is for manufacturing “Class 1” DVD-RAM discs.

For Class 1 discs, the disc rotation speed exceeds 10000 rpm. Such higher rotation speed increases the risk of disc cracking. Therefore, the allowed maximum disc rotation speeds are defined in optional books for each recording speed, for example 11004rpm for 16X speed. The allowed maximum disc rotation speed was defined based on intensive testing by the DVD Forum, in which no problem was observed. However, there is an increased risk of cracking if the disc has small cracks or scratches at the innermost area at higher rotation speed.

Therefore, Subscribers may wish to provide an appropriate notice to end users for careful treatment of Class 1 discs to avoid this potential problem. For this purpose, Subscribers may wish to consider the following example of an attention notice to the end users.

### 3. Example of attention notice.

As an example, the DVD Forum provides the following sample attention notice to be used for Ver.2.2 "Class 1" Disc products for the above-specified purpose (hereinafter "the Sample Notice").

"ATTENTION.

This disc is made so as to withstand any trouble caused by higher speed disc rotation. However, there is still a risk of the disc cracking and resulting damage to the disc and hardware if the disc is scratched or cracked due to the users' treatment of the disc.. Therefore, please treat the disc carefully. Do not bend or drop it or give it a strong shock."

4. The DVD Forum offers the foregoing Sample Notice only by way of example for Subscribers' consideration and individual judgment. The DVD Forum does not require Subscribers to adopt the above Sample Notice for any Subscribers' DVD products. It is Subscribers' sole discretion whether to use, modify or elect not to use the Sample Notice.

5. Subscribers are further advised that the physical characteristics of any such notice with respect to DVD Products, such as placement, type size and style, color, etc, shall be determined at the sole discretion of Subscribers.

6. Subscribers may wish to consult their own legal counsel regarding the use or non-use of any such notice with respect to their products.

7. Disclaimer.

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FURTHER, NEITHER THE DVD FORUM NOR ITS MEMBERS SHALL BE LIABLE

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