

**To:** Eclipse HD & BD Customers

**Date:** January 11, 2008

**Subject:** EclipseSuite 6.0 Beta Z9 Release

**Description:**

This document is to notify all customers running EclipseSuite for the High Definition formats of the availability of EclipseSuite 6.0 Beta Z9. The following is a list of the changes since the last beta notification. This beta software has undergone limited testing and is being made available as-is. Please review the following list of changes to determine if any are applicable to your needs.

**Fixes & Enhancements:**

- **Enhance ImageAnalysis so that it is able to fully analyze an AACS-encrypted image**

In previous versions, ImageAnalysis was not able to perform a complete analysis on AACS-encrypted image. There were cases in which Content Hash Table errors were not detected because it was unable to validate the encrypted information. While ImageAnalysis reported all to be ok, ImageCopy and ImageVerify reported various errors. Both ImageCopy and ImageVerify have the ability to fully analyze an AACS-encrypted image.

- **Added new rule to detect when a file is longer than the one specified in DDP/CMF**

The new rule "File longer than DDP/CMF specified length" is used to detect when the actual length of an image file is longer than the length specified in the DDP/CMF files.

- **Display correct list name for the DISCINFO file in the Info tab display**

There was some inconsistency in the filename extension of DISCINFO. When copying to hard disk, the Output DDPMS would always indicate the output filename would be DISCINFO.XML. However, if the source image was using DDP, the actual output filename was DISCINFO.DAT. This has been corrected to display the correct output filename. If the source image uses DDP, then the output filename will be DISCINFO.DAT. If the source image uses CMF, then the output filename will be DISCINFO.XML.

- **Corrected a problem in ImageCopy 6.0 Beta Z6 when copying pre-encrypted images**

If copying a pre-encrypted image, ImageCopy would change the status of the CHT1, CHT2 and CC to EMPTY on the output copy. It was also possible that ImageCopy would incorrectly report missing required XML attributes on the source image.

- **Override the AACS status flags in the DISCINFO file when a signed Content Certificate is detected**

When HD images are (or were) encrypted with Toshiba's AACS4Rep utility, the encryption status for Advanced Resources, Enhanced Video Object, Title Key Files, etc, were not update to reflect that they were "COMPLETE" and CC status "AFTER AACS SIGNED". Since this use of the AACS4Rep is not common, this typically affects old images that were encrypted using this utility. Using current versions of EclipseSuite to analyze such images resulted in the error during the analysis. In 6.0 Beta Z9, the EclipseSuite tools will first check to see if the CC is signed and the AACS signature will be validated. If all is ok, then these errors are ignored.

- **Corrected a problem that caused ImageVerify to abort when comparing a replica of a TWIN Format to its original source**

A Twin Format disc includes a layer conforming to HD DVD and another conforming to DVD. When comparing a replica inside an HD DVD-ROM drive to the original image, this caused ImageVerify to abort since it thought two incompatible formats were being compared. The reason is that on an HD DVD-ROM drive, the disc looks like a standard HD DVD disc.

- **Don't report error "Sector tagged for scrambling with no valid Title Key Pointer" when Title Key File Status is PARTIAL**

Previously, when analyzing unencrypted HD DVD images that had the Title Key File Status set to PARTIAL resulted in this error being reported. This beta release recognizes the PARTIAL protection status and will not trigger this error.

- **Enhanced the XML Schema validation**

The existing schema validation was enhanced to include several elements and attributes that were not validated previously. Included with this beta release are updated schema files.

- **Added support for BDCMF version 0.97**

One of the major enhancements is the support for BDCMF 0.97. This new version of BDCMF support various types of BDCMF. For more details, refer to the BDCMF 0.97 specifications.

- **Added AACS Signature validation**

This Beta release added support for validation of the AACS signature in the Content Certificate and MKB files.

- **Enhanced the Royalty Reporting option**

Users now have the ability to set options in the EclipseSuite Preferences. For full details on the options available, click on File|Preferences in the EclipseSuite tools. The Royalty Report options are at the bottom of the Preferences window.

- **Corrected a problem where an ImageCopy abort condition was not translated to IEScheduler, RemoteScheduler or ImageNet Scheduler**

There are certain conditions that may cause an ImageCopy operation to abort and not display the error condition in the analysis. In fact, the job results are green, indicating all went well, when in fact, the job had aborted. This problem becomes more serious when ImageCopy is being run via IEScheduler, RemoteScheduler or ImageNet Scheduler. The reason is that this is the main user interface. If the abort condition occurs, these programs will show the user an indication that all copied ok. A change in ImageCopy was done so that such conditions are detected and the error message "High Definition processing halted" is displayed. This applies only to BD and HD images.

- **Enhance the DDP Picker to browse CD/DVD/HD/BD-ROM drives for DDP/CMF images**

When analyzing media on a ROM drive, the EclipseSuite tools automatically check to see if the media contains a DDP image (i.e. DDP on Disc). The default behavior has been to only check the root directory and one sub-directory level. However, if customers copied a DDP image in a deeper subdirectory level, the image would go undetected. The EclipseSuite tools have been enhanced to allow users to browse the directory structure of the media to look for the DDP image. This is in addition to another enhancement that allows the user to specify the number of subdirectory levels to search. This is described below.

- **Added the ability to scan multiple subdirectory levels for DDP images**

As described above, the EclipseSuite tools previously scanned only the root and one subdirectory level when looking for DDP images on ROM/recordable media. In this beta version, users have the ability to specify how many subdirectory levels the EclipseSuite tools should scan. Be aware though that this will increase the time it takes to perform this scan.

To specify a different number of directory levels, users must create a new registry key with the following settings:

**Key:** HKEY\_CURRENT\_USER\Software\Eclipse\ISCP\IsControlSettings  
**Name:** DdpOnDiscMaxLevels  
**Type:** DWORD Value

#### **New Rules:**

- **High Definition processing halted**
- **AACS LA signature verification error**
- Rule "**Input longer than expected**" introduced in Beta Z6 was the same title as an existing rule. Therefore, it is being renamed to "**File longer than DDP/CMF specified length**".
- **BD-Java**
- **BD-Live**
- **BDCDF and image content disagree**
- **BD+ process required**

#### **Download Instructions:**

You can download the EclipseSuite 6.0 Beta Z9 from the following links:

[EclipseSuite 6.0 Beta Z9 Installation & Updated Rules file:](#)

**ftp://ftp.eclipsedata.com/es60/es60z9.zip**

**ftp://ftp.eclipsedata.com/es60/Rules50.zip**

Password: ECL3ES60z99

The Rules50.zip file contains the latest rules. Unzip and install the EclipseSuite 6.0 Beta Z9 first then unzip Rules50.zip into the installation directory replacing the existing one.

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