

**To:** Eclipse BD Customers

**Date:** December 2, 2009

**Subject:** EclipseSuite BD 2.0 Beta N Release

**Description:**

This document is to notify all EclipseSuite BD customers of the availability of **EclipseSuite BD 2.0 Beta N**. The following is a list of the changes since the last beta release 2.0 Beta D. 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.

- **Enhanced Title Structure Analysis.**

EclipseSuite 2.0 Beta N includes several enhancements to the Title Structure analysis. It is recommended that customers who are processing images for Fox Studios upgrade to this new version.

- **Enhanced Royalty Reporting.**

1. The COM method SetRoyaltyFullPathName was creating the folder and filename but no report was generated. This has been corrected.
2. Added support for Blu-ray 3D elementary streams in the Royalty Report and HDMV analysis.

- **Corrected a problem where the AACS information in the Info tab was not saved to a log file.**

If the auto-save preference was being used, the AACS information was not saved to the log file. This affected ImageAnalysis and ImageCopy and occurred only when using the Auto-Save preference.

- **Enhanced HDMV Region Code Analysis.**

- **Analyze the Managed Copy Manifest File.**

The managed copy manifest file (mcmf.xml) is now being checked for conformance.

- **Corrected a problem in which the Emergency Break footer was not being initialized correctly.**

When creating a BDCMF image from a BD-R source, ImageCopy was not creating the Emergency Break footer correctly in the PIC.DAT file.

- **Corrected an error that resulted in an incorrect ISAN string.**

This error triggered other analysis errors since there are some analysis checks that depend on the ISAN string.

- **Changed the rule "BD+ process required" to Flag to allow Type V images to be copied without error.**

ImageCopy will now be able to copy a Type V image. By default, ImageCopy would attempt to encrypt a BD+ image but would fail if BD+ had not been applied to an image (i.e. image is Type V). Now ImageCopy will transfer the image without any encryption and the output image will remain a Type V.

Other errors related to analysis of BD+ (Type V) images are suppressed to allow the analysis to complete without errors.

- **Corrected a problem that was causing analysis messages to be truncated in the HTML reports.**

- **The eject button in the media selection tab will now close the drive if it is currently open.**

- **Fixed a problem when converting SonyCMF images to BDCMF.**

The output AACS1.DAT was missing extent information for the ClipAVStream entries. This resulted in errors during the analysis of the output image.

- **Enhanced the analysis of JAR Manifest files.**

Added more checks in the analysis of JAR manifest files when file 'Name' entries are missing.

- **Fixed a problem where the Verify After Copy analysis is not visible in a log file.**

If viewing a log file that was created with Verify After Copy information, ImageCopy would not display the Source, Target and Verify button information in the analysis tab. This occurred only when the Verify After Copy

and 'BDCMF SHA-1' behaviors were disabled on the ImageCopy being used to view the log.

- **Updated all XML schema files for BDCMF files to allow CMFVersion text values with 2 and 3 digit version numbers.**
- **Fixed a problem in ImageCopy where the BDCMF Type was being displayed twice when converting from Type A to Type B.**
- **Fixed a problem where the File|Save menu option was not saving or prompting to save a log file.**
- **Validate that all Blu-ray file names and directory names do not include any space characters.**
- **Added miscellaneous enhancements to the BD-J security analysis.**
- **Added support for encrypted HCI output in BDCMF 1.10 images.**
- **Added a rule for each BDCMF Type.**

Previously, the rule "BDCMF Type" was used to identify all BDCMF Types. The Additional Info column in the Analysis identified the type. Now, there is a rule for each type.

- **Fixed a problem where ImageCopy was not creating the correct information in the PIC.DAT file when copying a BD-R 50.**
- **Added a rule that checks to make sure that the layer 0 length of a BD image is not longer than what the PIC data specifies.**
- **Fixed a problem what was incorrectly triggering the error "Elementary HDMV stream not found" on images that contained secondary video streams.**
- **Added a rule to detect when the BCA flag in the PIC data is different between source and target.**
- **Added support for the BD-ROM layer of a BD-ROM/BD-R Hybrid format.**
- **The new behavior "BDCMF SHA-1 hashes" under the Verify tab will force verification even if the "Verify After Copy" behavior is disabled.**
- **Fixed bug where the Save Log prompt was appearing twice at the end of a job.**

#### **Download Instructions:**

You can download the EclipseSuite BD 2.0 Beta N from the following link.

<ftp://ftp.eclipsedata.com/es20bd/esbd20n.zip>

Password: ECLES20bdN7

**Please be aware that this is not a complete installation. It is assumed that you have a working installation of EclipseSuite BD.**