

To: Eclipse Support Agreement & Warranty Customers
Date: March 9, 2011
Subject: EclipseSuite BD 3.1 Beta PR1/ImageEncoder 4.1 Beta PR2

Summary:

This TechFlash is to notify all support agreement & warranty customers of the availability of EclipseSuite BD 3.1 Beta PR1 & ImageEncoder/IEScheduler 4.1 Beta PR2. This BETA software has undergone limited testing and is being made available as-is.

EclipseSuite BD 3.1 Beta PR1 Fixes & Enhancements:

1. Added various JAR Authentication enhancements.

- Java Class name case sensitivity will be now considered during the authentication of JAR files.

When authenticating JAR files, Java class files with the same names that differ only in letter casing will be considered as different files. Previously they were considered as being the same (i.e. duplicate file entries) and sometimes resulted in the error 'Can't trust JAR Manifest file entry'.

- Keep error consistency when multiple possible certification paths are possible during the authentication of JAR files.
- Check to make sure that the 'Issuer distinguished name' is the expected one when selecting the certificate to verify the authenticity of a JAR file and don't rely only on the certificate's serial number.
- Corrected a problem where the authentication of JAR files was incorrectly excluding the app root certificate from the validation chain when the name of the signer or the certificate serial number was unexpected.

2. Enhanced ICHECK so that it generates layer checksums for BD images.

Checksums normally cover an entire file. However, in the case of a Blu-ray image, both layers are included in the same data file. This presents a problem since each layer is mastered separately. ImageCopy solves this problem by also creating layer checksums. Unfortunately, ICHECK did not support this, so if ICHECK is used on a BD image, it will regenerate and overwrite the image checksums without the layer checksums. If layer checksums are missing, ImageEncoder cannot validate them during mastering. If corruption occurs on the image, there would be no way to validate the image until a replica is created and compared to the original image.

ImageEncoder was also enhanced so that if no layer checksum is found during mastering, the rule 'checksum not verified' is triggered.

3. Corrected a Blu-ray 3D ImageSignature inconsistency.

Prior versions of EclipseSuite BD were inconsistent in the calculation of the layer matching signature value stored in the .esg file for some 3D images. The layer matching value stored in the .esg file is used to quickly confirm that the layers used in a disc are from the same title. In the case of some 3D titles, EclipseSuite would incorrectly trigger the rule "Image Signature Mismatch: Incorrect layer

bonding” when analyzing a 3D image. This has been corrected in the EclipseSuite applications. In the event that the error “ImageSignature Mismatch: Incorrect layer bonding” is found, customers are advised to use EclipseSuite BD 3.1 Beta PR1 or later.

4. Do not show the BEF flag mismatch rule when reading from a disc where the UCD BEF flag cannot be recovered.

ImageEncoder\IEScheduler 4.1 Beta PR2 Fixes & Enhancements:

1. Corrected a problem in the SIF->PTM interface that would cause IRG text and Barcode to be lost.

When IRG text (via SIF MID) and barcode (Via SIF barcode) are set in the SIF, previously this information would be lost and any text or barcode prompt will cause the operator to be prompted.
2. Added several enhancements in the communications between the RMU-7000 and IEScheduler.
 - If the license is expired, previous versions would trigger a generic RMU communications error. Now, a prompt message will alert the user that the license has expired.
 - New rule will be triggered indicating whether the ROM Mark was processed.
3. Add stepped PWM cutting for Singulus Crystalline optimization.
4. Change IEScheduler to use single quote character (') to preserve leading and trailing barcode and text IRG prompt data. Double quotes are no longer being stripped when reading from the JI file.
5. Trigger the warning 'Checksum not verified' when a BD image does not include layer checksums. See item #2 above in the EclipseSuite BD 3.1 release notes.

Download Instructions:

The EclipseSuite BD & ImageEncoder\IEScheduler software is available from the following links.

EclipseSuite BD 3.1 Beta PR1

<ftp://ftp.eclipsedata.com/esbd31/esbd31pr1.zip>

Password: pR113Db\$te

ImageEncoder\IEScheduler 4.1 Beta PR2

<ftp://ftp.eclipsedata.com/ies41/ies-ie41pr2.zip>

Password: pr214iE\$te

You may be required to login to Eclipse's FTP site. Contact Eclipse Customer Support if you don't already have the username and password.

NOTE: The software download links and passwords in this email are provided to you as a benefit to your Eclipse software support contact. Please do not forward or share this information outside of your company.