To: Eclipse HD Customers

Date: November 9, 2007

Subject: ImageAnalysis HD and ImageVerify HD Notice

Objective:

The Purpose of this TechFlash is to report a bug found in ImageAnalysis HD and ImageVerify HD. This bug affects version 6.0 Beta Z6 and earlier.

Summary:

When non-licensed content providers create HD DVD AACS images, the "Title Key Status in the CMF file is set as 'Partial' and no title keys are written in the image. This condition causes ImageAnalysis to incorrectly report the error "Sector Tagged for scrambling with no valid Title Key Pointer". ImageVerify will report the same error if the unencrypted image is used as the source image during verification.
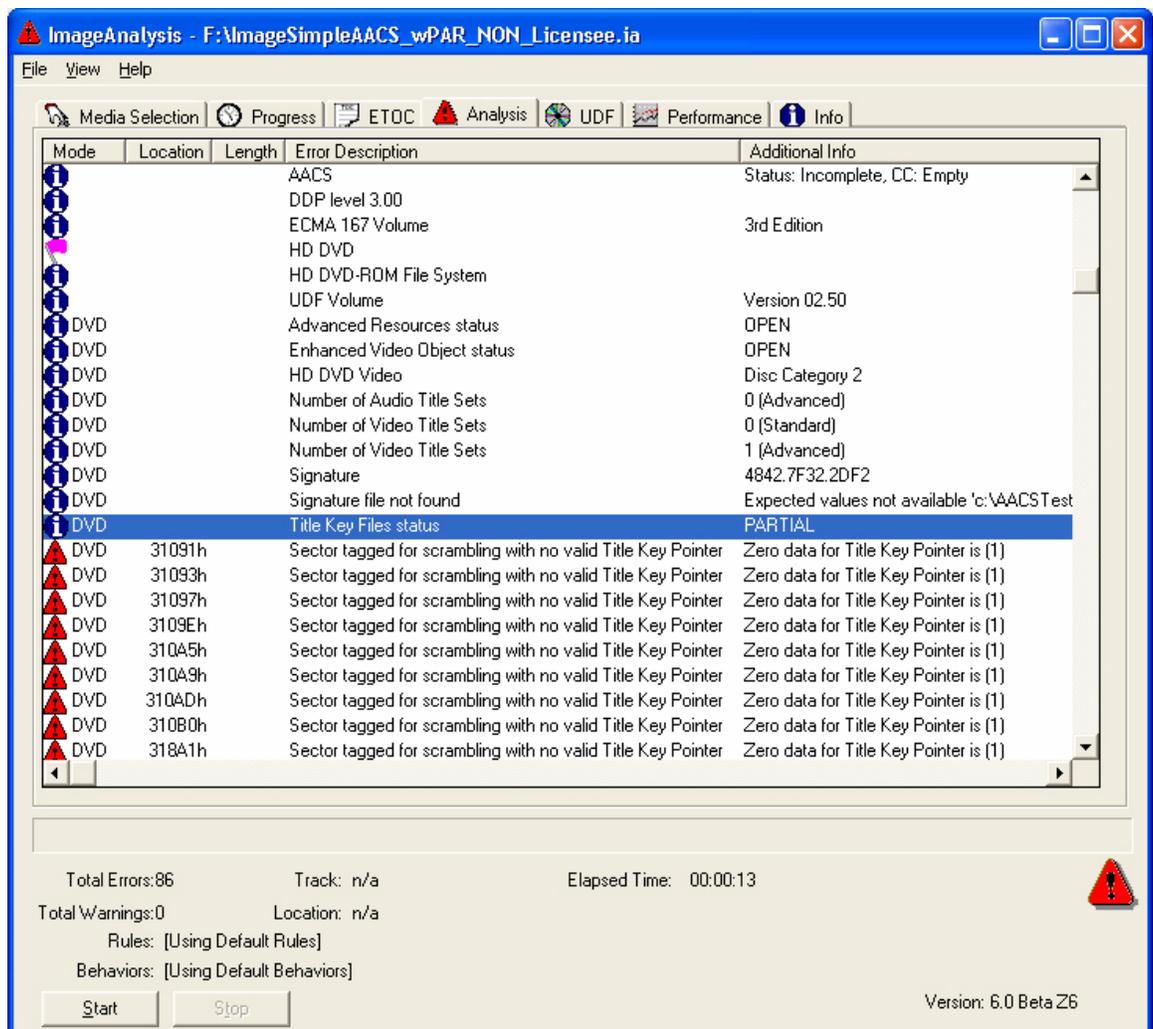
Recommended Action:

ImageAnalysis HD: If the Title Key Files status is reported in ImageAnalysis as PARTIAL, the "Sector Tagged for scrambling with no valid Title Key Pointer" errors can be ignored and the image can be accepted and can proceed to the AACS encryption process.

ImageVerify HD: If the Title Key Files status is reported in ImageVerify as PARTIAL, the "Sector Tagged for scrambling with no valid Title Key Pointer" errors can be ignored and the image can be accepted if no other errors are seen.

ImageVerify work-around:
Comparing to the encrypted image (e.g.: the image on the mastering server) or to the signature file will not trigger the "Sector Tagged for scrambling with no valid Title Key Pointer" error.

ImageCopy HD: ImageCopy HD creates the title keys when a PARTIAL image is encrypted with AACS. Therefore, ImageCopy HD eliminates the error condition in the encrypted image (and replica) and the "Sector Tagged for scrambling with no valid Title Key Pointer" is not reported.

A future version of ImageAnalysis HD and ImageVerify HD will correct the problem.