

DCI Digital Cinema Initiatives, LLC

ERRATA TO DCI DIGITAL CINEMA SYSTEM SPECIFICATION, VERSION 1.2 WITH ERRATA AS OF 30 AUGUST 2012 INCORPORATED

Errata items continue to be evaluated and will be posted after agreement by the DCI membership that the specific erratum needs to modify the DCI *Digital Cinema System Specification, Version 1.2 With Errata As Of 30 August 2012 Incorporated*. Suggested Erratum issues may be emailed to dcinfo@dcimovies.com. Please include "Errata" in the subject line.

DCI SPECIFICATION ERRATA LISTING

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Erratum Number	Spec. 1.2 with Errata Incorporated Page No.	Section(s) Affected	Description
3	100	9.4.3.5	Erratum # 2 has been incorporated into Erratum # 9 (the replacement Chapter 9) and Erratum # 2 is therefore deprecated.
4	64	7.5.4.1	<p>The third and fourth paragraphs of this section shall be replaced with the following (the fourth paragraph remains between Figures 11 and 12):</p> <p>The Image Media Block can be implemented in a server configuration, as shown in Figure 11. This is where the storage and the Image Media Block are closely coupled. In this configuration, the content data is then pushed to the projector. <i>In this configuration, Link Encryption is required to protect the uncompressed content.</i></p> <p>The Image Media Block can also be implemented as a component within the projection system. This provides the option of not requiring Link Encryption. In this configuration, the Image Media Block may use a push or pull method to process essence data from storage, as shown in Figure 12.</p>
5	64	7.5.4.1	In Figure 11, the "FM" with asterisk reference from the Projection System, and the associated " *optional " notation, are removed.
6	65	7.5.4.1	<p>The following paragraph is inserted above the "Note" at the top of page 65:</p> <p>In addition to the two single Image Media Block (IMB), single projector configurations shown above, this specification provides for Multiple Media Block (MMB) configurations to support multiple projectors and/or the use of an Outboard Media Block (OMB) within the projection booth. See Chapter 9 "SECURITY" for details of MMB and OMB requirements and operation.</p>

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7	65	7.5.4.2.1	<p>The following shall replace the existing text of this section:</p> <p>A Media Block is the device that converts, in real time, the packaged content data from storage into data for playback to downstream devices. <i>The one or more Media Block(s) of the projection booth are required to playback the image, audio and other time-dependent content in a manner that presents a synchronized performance to the audience. Synchronization requirements are as follows:</i></p> <ul style="list-style-type: none"> • <i>Synchronization of audio and on-screen text to image shall be frame accurate.</i> • <i>Synchronization of audio objects shall be accurate to within 10 microseconds (sample accuracy at 96K).</i> • <i>The synchronization signal shall include information that represents the current position within the show timeline and shall be accurate to within 10 microseconds.</i> • <i>“Locate and play” shall be supported.</i> • <i>The synchronization signal shall be defined separately from any essence it may be asked to synchronize, and able to sync multiple media blocks regardless of the essence they are handling.</i> <p><i>The sync signal shall be defined independently of an interface or transport mechanism.</i></p>
8	65	7.5.4.2.2	<p>The following paragraph shall replace the first paragraph of this section:</p> <p>The main function of a Media Block is to provide a secure environment within which to perform content essence decryption. <i>In support of this Media Blocks shall contain a Security Manager, media decryptor(s) and (as applicable) associated forensic markers. Link Encryption shall be applied to image essence if the associated Media Block is not contained within the projection system.</i></p>
9	79-148	9.1-9.8 (All of Chapter 9)	<p>The DCI document <DCSS-Replacement Chapter 9-20140904> replaces Chapter 9 in its entirety.</p>