



4C Entity Announcements Archive

November 29, 2007 - The 4C Entity, LLC is pleased to announce that licensing for a new CPRM Specification, SD Memory Card: [SD-Separate Delivery Video Part \(SD-SD Video\), Revision 0.9](#) is now available. With the addition of the Compliance Rules for SD-SD Video, the License Agreement, including the Compliance Rule exhibits, is now at version 1.5. All new licensees will enter that document (or subsequent revisions, as appropriate). Since the change from the previous version is the addition of the new Specification and Compliance Rules, these documents will be provided to existing licensees for their use in association with their existing License Agreement. Since there is no mandatory change made in this revision, the use of the new Specification document and related Compliance Rules is effective upon this notice. You will find that the license language in the new version 1.5 of the [4C CPRM/CPM License Agreement](#) has not changed. The only changes are in the Compliance Rules.

September 25, 2007 - The 4C Entity, LLC is pleased to announce that a white paper entitled "[SDSD-CPRM: Flexible Protection for Content Protection](#)" is now available. SDSD-CPRM (Secure Digital - Separate Delivery) is a new extension to the SD Memory Card that addresses the difficulties of sharing and protecting digital content. It uses Content Protection for Recordable Media methods defined by 4C Entity to separate encrypted digital content from the keys that release (decrypt) it. The SDSD-CPRM separate delivery mechanism greatly benefits the consumer, content provider, and device manufacturer. The consumer can freely manage and share encrypted content, the content provider is able to deliver and protect content, and the device manufacturer can develop products with a common SD Memory Card interface. This paper reveals the flexibility that SDSD-CPRM provides for sharing and moving digital content along with a detailed explanation of the CPRM implementation.

August 27, 2007 - The 4C Entity, LLC would like to announce that [Revised CPRM Specification, DVD Book, Revision 0.97a](#) is now available. The revisions include correction of minor editorial errors, such as the recovery of material that was present in Revision 0.96 but missing in Revision 0.97. There are no technical updates in Revision 0.97a.

May 21, 2007 - The 4C Entity, LLC is pleased to announce that it is now licensing a new CPRM Specification document -- [CPRM Specification, SD Memory Card Book: SD-Separate Delivery Audio Part \(SD-SD Audio\), Revision 0.9](#) and [New CPRM Specification document--SD Memory Card Book: SD-Separate Delivery Part \(SD-SD\), Revision 0.9](#) are now available-- subject to two new Compliance Rule exhibits to the 4C CPRM/CPM License Agreement. The [4C CPRM/CPM License Agreement](#), including the Compliance Rule exhibits, is now at version 1.4, and all new licensees should enter that document. Drafts of these Specification documents were previously circulated to Adopters for review and comment. The CPRM architecture of SD-SD handles Content Key(s) and encrypted content data. The Content Key is stored in the SD Memory Card. The encrypted content data may be stored in the same SD Memory Card or separately in another media such as HDD. The CPRM for SD-SD Audio document describes details to protect audio content in the SD-SD architecture. Changes have also been made to the [4C Ordering forms](#) so that Adopters may order the necessary key material to implement these new capabilities.

May 15, 2007 - The 4C Entity, LLC is pleased to announce that new [CPRM Specification, SD Memory Card Book: SD-Separate Delivery Audio Part \(SD-SD Audio\), Revision 0.9](#) and [CPRM Specification, SD Memory Card Book: SD-Separate Delivery Part \(SD-SD\), Revision 0.9](#) are now available. The CPRM architecture of SD-SD handles Content Key(s) and encrypted content data. The Content Key is stored in the SD Memory Card. The encrypted content data may be stored in the same SD Memory Card or separately in another media such as HDD. The CPRM for SD-SD Audio document describes details on how to protect audio content in the SD-SD architecture. Adopters are cautioned, however, that some changes to the Compliance Rules are being finalized, and this Specification may not be implemented under the 4C License Agreement until those changes are posted. So, the posted Specification documents referenced above are currently for information only.

May 7, 2007 - The 4C Entity, LLC is pleased to announce that [CPRM Specification, DVD Book, Revision 0.97](#) is now available. The revisions extend application of CPRM to the DVD-Video format recorded on CPRM compliant DVD media (i.e. DVD-R, DVD-RW, and DVD-RAM). Adopters are cautioned, however, that some changes to the Compliance Rules are being finalized, and this Specification may not be implemented under the 4C License Agreement until those changes are posted. So, the posted Specification referenced above is currently for information only.

May 7, 2007 - The 4C Entity, LLC is pleased to announce that [CPRM Specification, Introduction and Common Cryptographic Elements, Revision 1.01](#), and [SD Memory Card Book Common Part, Revision 0.961](#) are now available. The revisions include clarifications related to MKB Extensions.

February 23, 2007 - The 4C Entity, LLC is pleased to announce that [CPRM Specification, SD Memory Card Book, SD-Audio Part, Revision 0.97](#) is now available. The revisions extend usage rules to incorporate rules based on date and time. The revisions also extend clock function modalities to define previewing and recording rules for devices (both categories, with and without network capabilities) and with a tamper resistant clock. These revisions are the result of general on-going review of our usage rules based on comments from Founders, Adopters, Content Participants and others.

December 13, 2006 - The 4C Entity, LLC hereby notifies its Adopters that the prohibition on use of unprotected DVI outputs for audiovisual content originally protected using CPRM on products produced on or after December 31, 2006, is extended. The length of the extension (and the new "sunset date" for unprotected DVI outputs with regard to CPRM protected content) will be notified to Adopters as soon as possible. This date will be based on marketplace developments and established in coordination with other content protection organizations which have approved CPRM as an authorized recording technology.

November 29, 2006 - The 4C Entity, LLC is pleased to announce that [CPRM Specification, SD Memory Card Book, SD-Video Part, Revision 0.96](#) is now available. The revisions comprise the modification of the field that describes the version number of the SD-Video data structure, i.e. the VERN field, and a correction in the Copy Process II. These revisions are the result of general on-going review of our specifications based on comments from Founders, Adopters, Content Participants and others. Further changes may be anticipated as additional comments and developments warrant.

December 23, 2005 - The 4C Entity, LLC is pleased to announce that [CPRM Specification, SD Memory Card Book, SD-Binding Part, Revision 0.92](#) is now available. The revisions comprise the modification of the SD-Binding object file to incorporate an optional header. This header facilitates access to the object's attributes such as content title, creation date, etc. These revisions are the result of general on-going review of our specifications based on comments from Founders,

Adopters, Content Participants and others. Further changes may be anticipated as additional comments and developments warrant.

December 16, 2005 - The 4C Entity, LLC is pleased to announce that Version 1.4 of the [CPRM For SD-Binding License Agreement](#) including revised Authorized Use #1: Mobile Phones, is now available. Specifically, an SD-Binding Participating Device may pass Decrypted CPRM for SD-Binding Content to a third-party digital rights management technology which served as the original input for such Decrypted CPRM for SD-Binding Content as well as Decrypted CPRM Audio Content to an analog output.

November 8, 2005 - The 4C Entity, LLC is pleased to announce that the [CPRM for Content Distribution Addendum for SD-Binding](#) is now available. This Addendum, when executed, allows existing Adopters of the CPRM for SD-Binding License Agreement to use CPRM in the commercial distribution of Commercial Content. Three Authorized Uses are currently contemplated, including Network Download, Pre-Recorded Content and Record-on-Demand.

October 31, 2005 - The 4C Entity, LLC is pleased to announce that CPRM Specification, SD Memory Card Book, SD-Video Part, Revision 0.95 is now available. The revisions comprise the incorporation of ISDB-T Mobile Video Profile and H.264 Mobile Video Profile. These revisions are the result of general on-going review of our specifications based on comments from Founders, Adopters, Content Participants and others. Further changes may be anticipated as additional comments and developments warrant.

September 20, 2005 - This is to inform all 4C Licensees that 4C Entity, LLC has extended the deadlines contained in Section 4.2.1(ii)(c) of the CPPM Compliance Rules for DVD Audio (Exhibit C-1 to the CPRM/CPPM License Agreement) and in Section 4.2.1(ii)(c) of the CPRM Compliance Rules for Recording and Playback of Audio Content (Exhibit C-2 to the CPRM/CPPM License Agreement). The previous provisions prohibited the use of IEC 958/60958 outputs in Participating Players that are of models that are first introduced on or after October 1, 2005 and in all Participating Players made on or after December 31, 2006 (regardless of when a particular model is introduced). The extension of these dates is for three years in each case (i.e., with the listed outputs prohibited in models that are first introduced on or after October 1, 2008 and to any product made on or after December 31, 2009). The purpose of this notice is to clarify that these dates were extended earlier this year and the currently applicable sunset dates are October 1, 2008 and December 31, 2009, as noted above, permitting the continued use through those dates of the outputs that are permitted by Section 4.2.1(ii) in those products. 4C Entity will follow this posting with appropriate changes in the compliance rules that will be released in the near future.

February 9, 2005 - This is to inform all 4C Licensees that 4C Entity, LLC will extend the deadlines contained in Section 4.2.1(ii)(c) of the CPPM Compliance Rules for DVD Audio (Exhibit C-1 to the [CPRM/CPPM License Agreement](#)) and in Section 4.2.1(ii)(c) of the CPRM Compliance Rules for Recording and Playback of Audio Content (Exhibit C-2 to the CPRM/CPPM License Agreement). The current provisions prohibit the use of IEC 958/60958 outputs in Participating Players that are of models that are first introduced on or after October 1, 2005 and in all Participating Players made on or after December 31, 2006 (regardless of when a particular model is introduced). The extension of these dates is likely to be for a three-year period (i.e., to October 1, 2008 and December 31, 2009), although these dates have not yet been finalized at this time. The purpose of this notice is to allow licensees that are finalizing their products for release in the fall of 2005 to know that they will be permitted to continue to use the outputs that are permitted by Section 4.2.1(ii) in those products. We will provide further information as soon as possible.

February 2, 2005 - The 4C Entity, LLC is pleased to announce that the [CPRM Specification, SD Memory Card Book, SD-Binding Part, Revision 0.91](#) , is now available.

January 31, 2005 - The 4C Entity, LLC is pleased to announce a new set of documents for use of CPPM and CPRM (Audio and Video) technologies. The new documents include:

(1) An updated version of the Adopter Agreement, where the major changes relate to an exposition of how Type C keys can be used in the 4C system. This new Agreement will be used effective immediately as the 4C's standard agreement for new Adopters. This means that any company signing the 4C agreement must use the new Agreement, even if they had previously downloaded the prior version. Existing Adopters will have the option to substitute this new agreement for their existing agreements, but this is not mandatory.

(2) Revised Compliance Rules for CPPM applications and both audio and video CPRM applications. These documents are applicable to all Adopters, including existing Adopters. 4C believes that none of the changes in these revisions requires a "grace period" and, accordingly, 4C considers these revised rules to be effective immediately. These will also be provided to all Adopters with a specific notice in accordance with their agreements with 4C.

[4C CPRM/CPM License Agreement](#)

August 17, 2004 - The 4C Entity, LLC is making available the CPRM/CPM Content Distribution Addendum that when executed, allows existing Adopters to use CPRM in the commercial distribution of Digital Audio Content and Digital Video Content. Three Authorized Uses are currently contemplated, including Network Download, Pre-Recorded Content and Record-on-Demand.

August 6, 2004 - The 4C Entity, LLC is pleased to announce the availability of the 0.9 version of the Specification for CPRM for Network Download. Licensing for this new functionality will be available very shortly, in the form of an addendum to the basic CPRM/CPM License Agreement. Notice will be given when the license information is available and when licensing will commence. In the meantime, we welcome review and comment on the specification document.

- **January 27, 2003 - The 4C Entity, LLC** has updated the C2 Block Cipher, the CPPM Specification, Introduction and Common Cryptographic Elements and the CPRM Specification, Introduction and Common Cryptographic Elements specification to version 1.0. Please check our [documents and versions](#) webpage for more information.
- September 20, 2002 - The 4C Entity, LLC has given [Provisional Approval of DTCP-Protected Outputs](#).
- August 12, 2002 - The 4C Entity, LLC is making available the [CPRM/CPM Content Participant Agreement](#) which is provided purely for informational purposes and does not constitute an offer.
- July 23, 2002 - The 4C Entity, LLC is making available the [C2 Facsimile Device Keys and MKB's](#) available to help in the debugging of CPRM/CPM implementation .
- April 3, 2002 - The 4C Entity, LLC has released the [C2 Encryption and Decryption Licensing Agreements](#) for execution. Any company who wishes to execute one or both of these agreements may do so now.
- March 8, 2002 - The 4C Entity, LLC is making available two new SD Memory Card specifications. To obtain copies of these and other 4C Entity specifications please visit [Publications and Current Versions](#).
- December 7, 2001 - The 4C Entity, LLC is making available three new license agreements. Please visit the two new sections under Licensing which include the [Associate Licensing Agreements](#) menu and the [C2 Encryption and Decryption Licensing Agreements](#) menu.

- July 3, 2001 - The 4C Entity, LLC is making available the [C2 Facsimile Secret Constants and Test Vectors](#) documents to help in the debugging of the C2 Block Cipher implementation .
- January 12, 2001 - The 4C Entity, LLC has released the following [Policy Statement](#) on Use of Content Protection for Recordable Media, (CPRM) in Certain Applications.

Licensing clarification for these two new formats will be available within the next few weeks.

- The [Content Protection System Architecture](#) (CPSA) defines a comprehensive and efficient framework that makes it possible to integrate major existing content protection technologies
- Information on obtaining a [4C Verance License](#) is now available.

The following prior announcements are available:

- June 20, 2005 - The 4C Entity, LLC is pleased to announce that CPRM Specification, SD Memory Card Book, SD-Video Part, Revision 0.94 is now available. The revisions extend usage rules to incorporate rules based on date, time and playback counts. These revisions are the result of general on-going review of our usage rules based on comments from Founders, Adopters, Content Participants and others. Further changes may be anticipated as additional comments and developments warrant.
- June 3, 2005 - The 4C Entity, LLC is pleased to announce that Version 1.3a of the [CPRM For SD-Binding License Agreement](#) including revised Authorized Use #3: Specific Content Provider Bound Content Players, is now available. Specifically, Authorized Use #3 consists of the use of the SD-Binding Technology in Specific Content Provider Bound Content Players (i.e. devices that store and playback audio, video and game content) in accordance with applicable Compliance Rules.
- November 4, 2004 - The 4C Entity, LLC is pleased to announce that Version 1.3 of the [CPRM For SD-Binding License Agreement](#) including Authorized Use #3: Specific Content Provider Bound Content Players, is now available. Specifically, Authorized Use #3 consists of the use of the SD-Binding Technology in Specific Content Provider Bound Content Players (i.e. devices that store and playback audio, video and game content) in accordance with applicable Compliance Rules.
- September 2, 2004 - The 4C Entity, LLC is pleased to announce that Version 1.2 of the [CPRM For SD-Binding License Agreement](#) including Authorized Use #2: Authorized Commercial Content Player, is now available. Specifically, Authorized Use #2 consists of the use of the SD-Binding Technology in Authorized Commercial Content Players (i.e. devices that store and playback audio, video and e-book content) in accordance with applicable Compliance Rules.
- August 17, 2004 - The 4C Entity, LLC is pleased to announce that Version 1.1 of the [CPRM For SD-Binding License Agreement](#) includes a modified Exhibit D-2, which provides the Compliance Rules for Authorized Use #1: Mobile Phones. Specifically, these Compliance Rules have been updated to allow a service provider to output Authorized Edited Content, which consists of Commercial Content edited by the user with the permission of the applicable copyright holders.
- July 6, 2004 - The 4C Entity, LLC is making available the new [4C CPRM/CPM License Agreement Ver. 1.1j](#) for the manufacturing and selling of products implementing the new video compliance rules. The revisions are the result of general on-going review of our rules based on comments from Adopters, Content Participants and others. Further changes may be anticipated as additional comments and developments warrant.

• June 30, 2004 - The 4C Entity, LLC is pleased to provide these web links to the [CPRM Compliance Rules for Recording and Playback of Standard Definition Video Content](#) and [CPRM Compliance Rules for Recording and Playback of Video Content by Limited Resolution Video Recorders](#). The revisions are the result of general on-going review of our rules based on comments from Adopters, Content Participants and others. Further changes may be anticipated as additional comments and developments warrant.

• June 30, 2004 - The 4C Entity, LLC is pleased to announce that the [CPRM Specification, SD Memory Card Book, SD-Video Part, Revision 0.92](#) is now available

• May 2, 2004 - Notice to Adopters

4C Entity is making available SD Binding Development Device Keys and MKB's, prior to signing a CPRM FOR SD-BINDING LICENSE AGREEMENT, on a limited time basis*, subject to the following requirements:

- Licensee company must be a current 4C CPRM/CPPM licensed Adopter in good standing
- Adopter letter must affirm that Adopter agrees to be bound to the terms and conditions of the CPRM FOR SD-BINDING LICENSE AGREEMENT prior to the execution of the CPRM FOR SD-BINDING LICENSE AGREEMENT
- Adopter must provide a letter affirming that the Adopter will provide 4C Entity with an executed CPRM FOR SD-BINDING LICENSE AGREEMENT within 90 days from the date of placing an SD Binding Development order

The Order Fulfillment Fees are as follows:

	Price
• Evaluation/Development Device Key Sets (1,000)	\$US 1,500
• Media Key Blocks (100)	\$US 1,500
• Both – Evaluation/Development Device Key Sets and MKBs	\$US 2,500

*This opportunity is available May 1, 2004 through October 31, 2004, and subject to all applicable fees.

• April 21, 2004 - The 4C Entity, LLC Pursuant to section 4.4 of the CPRM/CPPM Adopter Agreement, a triennial adjustment in Unit Fees is required to reflect changes in the Producer Price Index (PPI). The applicable PPI adjustment for this triennial period is an increase of 4.3%, and that increase was to be effective April 15, 2004.

While this increase is automatic under the Agreement, 4C Entity, LLC has decided to take the necessary action to keep Unit Fees at the same levels as previously charged. Accordingly, there will be no increase in Unit Fees effective April 15, 2004.

4C will continue to review such triennial Unit Fee adjustments on a case-by-case basis.

• January 28, 2004 - The 4C Entity, LLC is pleased to announce that the [CPRM For SD-Binding License Agreement](#) is now available for SD-Binding. 4C Licensees may obtain Device Keys for manufacturing and selling products implementing the **SD-Binding Robustness Rules** and **SD-Binding Compliance Rules for SD-Binding Authorized Use**. Any 4C Licensee desiring to obtain such keys should contact a 4C license administrator.

Please note that the **CPRM for SD Binding** specification is now available. Please visit [Publications and Current Versions](#) to obtain a copy.

- December 1, 2003 - 4C Entity, LLC hereby informs Adopters and other interested parties that it intends to adopt new [CPPM Compliance Rules for DVD Audio](#). The proposed new Rules are posted for review, and are expected to be finalized by the end of 2003. In the meantime, 4C has authorized content companies and replicators to use the new bit settings contained in the posted document for content that will be released prior to the finalization of the entire document..

- July 29, 2003 - The 4C Entity, LLC is making available the new [4C CPRM/CPPM License Agreement Ver. 1.1i](#) for the manufacturing and selling products implementing the Specification for Limited Resolution Video Recorders and new compliance rules for standard resolution CPRM licensed video recorders.

- June 12, 2003 - The 4C Entity, LLC is pleased to announce that the 4C CPRM/CPPM License Agreement is now available for SD-Video. 4C Licensees may obtain Production Keys for manufacturing and selling products implementing the Specification for Limited Resolution Video Recorders. Any 4C Licensee desiring to obtain such keys should contact a 4C license administrator.

- For your convenience, 4C is providing this web link to the [CPRM Compliance Rules for Recording and Playback of Standard Definition Video Content](#) and the [CPRM Compliance Rules for Recording and Playback of Video Content by Limited Resolution video recorders](#). Please note that these Compliance Rules will be changed in the future to harmonize with CPRM Compliance Rules.

- June 4, 2002 - The 4C Entity, LLC has released two statements pertaining to the 4C Audio Compliance Rules and Evaluation/Development Licensees. Copies of the [Suspension of Certain 4C Audio Compliance Rule Obligations](#) and [Notice to Evaluation/Development Licensees](#) are provided for your review.

- April 25, 2002 - The 4C Entity, LLC has announced changes to the fee schedule for the 4C CPRM/CPPM License Agreement to take effect on May 8, 2002. The changes in the fee schedule were announced in a letter dated [April 5, 2002](#). A copy of the letter is provided for your review.

- May 04, 2001 - Now Available - The Compliance and Robustness Rules can be downloaded with the [4C CPRM/CPPM License Agreement](#).

- April 03, 2001 - A read-only version of the final [4C CPRM/CPPM License Agreement](#), which includes a Development use provision, is now available. This new license replaces both the 4C Interim CPRM/CPPM License Agreement and the Development Key Evaluation Agreement. The Compliance and Robustness Rules will be posted at a later date. The license is for use by both potential licensees wishing to begin using the CPRM/CPPM technology and current licensees who have already executed either the Interim CPRM/CPPM License Agreement or Development Key Evaluation Agreement.

All current licensees wishing to continue using the CPRM/CPPM technology must execute the new 4C CPRM/CPPM License Agreement by April 30, 2001.

- December 18, 2000 - The 4C Entity, LLC has extended the CPRM / CPPM Development Key Evaluation Agreement. This agreement is valid through, and can be executed through February 28, 2001 and the Development Keys and MKB's can be used until March 30, 2001.

The 4C Entity, LLC has also extended the interim CPRM / CPPM Adopters Agreement. This

agreement is valid through, and can be executed through February 28, 2001 and Production Keys and MKB's can be ordered through this agreement.

- October 20, 2000 - The 4C Entity, LLC has posted a new CPRM for DVD specifications version 0.94. This version describes CPRM for DVD-RAM, for DVD-R, and for DVD-RW. A new ordering form has been posted in the interim CPRM / CPPM Adopters Agreement area titled [CPRM / CPPM Ordering Forms](#).

- July 24, 2000 - An Acrobat read-only version of the interim version of the Adopters Agreement and associated documents are available. This interim Adopters Agreement will allow adopters to manufacture products using CPRM / CPPM Technologies. See the [Licensing Area](#) of the website for more information.

- June 28, 2000 - The 4C Entity, LLC has extended the CPRM / CPPM Development Key Evaluation Agreement. This agreement can now be executed through October 1, 2000 and the Development Keys and MKB's can be used until November 1, 2000.

If you currently have a fully executed Development Agreement that expires on July 1, 2000 and we have not contacted you by July 1, 2000 please contact us. We will assist you with the process of extending your current agreement.

- The [Content Protection System Architecture](#) (CPSA) defines a comprehensive and efficient framework that makes it possible to integrate major existing content protection technologies

- Due to security concerns expressed by the recording industry, among others, as a result of the recent "hack" of the CSS video technology, the 4C Entity, LLC has withdrawn the CSS2 technology from consideration for use in relation to DVD Audio products.

- Information on obtaining a [4C Verance License](#) is now available.

- IBM, Intel, Matsushita and Toshiba are pleased to announce the availability of the 0.9 revision of the [Content Protection for Recordable Media and Pre-Recorded Media \(CPRM / CPPM\) Specification](#).