

4C Entity Specification Revisions, License Revisions

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| November 29, 2007 | SD-Separate Delivery Video Part (SD-SD Video), Revision 0.9 | 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 4C CPRM/CPPM License Agreement , including the Compliance Rule exhibits, is now at version 1.5. |
| September 25, 2007 | "SDSD-CPRM: Flexible Protection for Content Protection" | 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. |
| August 21, 2007 | Revised CPRM Specification, DVD Book, Revision 0.97a | This document is a revision that includes corrections 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 | New CPRM Specification document--SD Memory Card Book: SD-Separate Delivery Part (SD-SD), Revision 0.9 | 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. |
| May 21, 2007 | CPRM Specification, SD Memory Card Book: SD-Separate Delivery Audio Part (SD-SD Audio), Revision 0.9 | Describes details on how to protect audio content in the SD-SD architecture. |
| May 15, 2007 | CPRM Specification, SD Memory Card Book: SD-Separate Delivery Part (SD-SD), Revision 0.9 <i>Posted for preliminary information only.</i> | 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. |
| May 15, 2007 | CRPM Specification, SD Memory Card Book: SD-Separate Delivery Audio Part (SD-SD Audio), Revision 0.9 <i>Posted for preliminary information only.</i> | Describes details on how to protect audio content in the SD-SD architecture. |
| May 7, 2007 | CPRM Specification, DVD Book, Revision 0.97 | Extends application of CPRM to the DVD-Video format recorded on CPRM compliant DCD media (i.e., DVD-R, DVD-RW, and DVD-RAM). |
| May 3, 2007 | CPRM Specification, Introduction and Common Cryptographic Elements, Revision 1.01 | Includes clarifications related to MKB Extensions. |

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| May 3, 2007 | CPRM Specification, SD Memory Card Book, Common Part, Revision 0.961 | Includes clarifications related to MKB Extensions. |
| February 22, 2007 | CPRM Specification, SD Memory Card Book, SD-Audio Part, Revision 0.97 | Extends usage rules to incorporate rules based on date and time. Also extends clock function modalities to define previewing and recording rules for devices (both categories, with and without network capabilities) and with a tamper resistant clock. |
| December 13, 2006 | Announcement | Extended prohibition on use of unprotected DVI outputs for audiovisual content originally protected using CPRM on products produced on or after December 31, 2006. The length of the extension (and the new "sunset date" for unprotected DVI outputs with regard to CPRM protected content) will be announced as soon as possible. |
| November 29, 2006 | CPRM Specification, SD Memory Card Book, SD-Video Part, Revision 0.96 | Modifies 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. |
| December 8, 2005 | CPRM Specification, SD Memory Card Book, SD-Binding Part, Revision 0.92 | Modifies 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. |
| December 16, 2005 | CPRM for SD-Binding License Agreement, Version 1.4 | Includes revised Authorized Use #1: Mobile Phones. An SD-Binding Participating Device may pay Decrypted CPRM for SD-Binding Content as well as Decrypted CPRM Audio Content to an analog output. |
| November 8, 2005 | CPRM for Content Distribution Addendum for SD-Binding, Addendum | 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 | CPRM Specification, SD Memory Card Book, SD-Video Part, Revision 0.95 | Incorporates ISDB-T Mobile Video Profile and H.264 Mobile Video Profile. An updated Rev. 0.96 was issued Nov. 29, 2006. |
| September 20, 2005 | Announcement | Extended deadlines contained in Section 4.2.1(ii)(c) of the CPPM Compliance Rules for DVD Audio (Exhibit C-1 to the CPRM/PPM 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/PPM License Agreement). The |

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| | | <p>previous provisions prohibited the use of IEC 958/60958 outputs in Participating Players that are of models that are first introduced on and 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.</p> |
| February 9, 2005 | <p>Announcement (Exhibit C-1 to the CPRM/CPPM License Agreement)</p> | <p>Extended 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.</p> |
| February 2, 2005 | <p>CPRM Specification, SD Memory Card Book, SD-Binding Part, Revision 0.91</p> | |
| January 31, 2005 | <p>Announcement 4C CPRM/CPPM License Agreement</p> | <p>Notification of a new set of documents for use of CPM and CPRM (Audio and Video) technologies. These new documents include: (1) an updated version of the Adopter Agreement, where the major changes relate</p> |

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| | | to an exposition of how Type C keys can be used in the 4C system. This new Agreement will be 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. |
| 4C CPRM/CPMP License Agreement | | |
| August 17, 2004 | CPRM/CPMP Content Distribution Addendum | When executed, allows existing Adopters to use CPRM in the commercial distribution of Digital Audio Content and Digital Video Content. Three Authorized Uses are current contemplated, including Network Download, Pre-Recorded Content and Record-on-Demand. |
| August 6, 2004 | CPRM Specification, Network Download, Revision 0.9 | Licensing for this new functionality was made available on Aug. 17, 2004, in the form of an addendum to the basic CPRM/CPMP License Agreement. |
| January 27, 2003 | CPRM Specifications, Introduction and Common Cryptographic Elements Specification, Version 1.0 | Updated these specifications to version 1.0. |
| January 17, 2003 | CPMP Specification, Introduction and Common Cryptographic Elements, Revision 1.0 | Updated these specifications to version 1.0. |
| January 1, 2003 | C2 Block Cipher Specification, Revision 1.0 | Updated these specifications to version 1.0. |
| September 20, 2002 | Announcement | 4C gave Provisional Approval of DTCP-Protected Outputs. |
| August 12, 2002 | CPRM/CPMP Content Participant Agreement <i>Provided for Information Only</i> | |
| July 23, 2002 | C2 Facsimile Device Keys and MKB's | Made available to help in the debugging of CPRM/CPMP implementation. |
| April 3, 2002 | C2 Encryption and Decryption Licensing Agreements | Released for execution. |

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| March 8, 2002 | Announcement Publications and Current Versions | Made available two new SD Memory Card Specifications. |
| December 7, 2001 | Announcement Associate Licensing Agreements C2 Encryption and Decryption Licensing Agreements | Made available three new license agreements, including the Associate Licensing Agreements menu and the C2 Encryption and Decryption Licensing Agreements menu. |
| July 3, 2001 | C21 Facsimile Secret Constants and Test Vectors | Made available to help in the debugging of the C2 Block Cipher implementation. |
| May 30, 2001 | CPRM Specification, Portable ATA Storage Book, Revision 0.92 | |
| January 31, 2001 | CPPM Specification, DVD Book, Revision 0.93 | |
| January 12, 2001 | Policy Statement on Use of Content Protection for Recordable Media, (CPRM) in Certain Applications | Released policy statement on Use of Content Protection for Recordable Media, (CPRM) in Certain Applications. 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. |
| February 17, 2000 | Content Protection System Architecture, Revision 0.81 | Developed Content Protection System Architecture (CPSA) defines a comprehensive and efficient framework that makes it possible to integrate major existing content protection technologies. This white paper is entitled "Content Protection System Architecture: A Comprehensive Framework for Content Protection." |
| October 29, 1999 | 4C 12 BIT Watermark Specification | Covers the format configuration, timing and other details including basic detector function. |