

Content Protection for Pre-recorded Media (“CPPM”) and Content Protection for Recorded Media (“CPRM”) have been implemented to protect digitized copyrighted works distributed or stored on portable storage media. CPPM and CPRM were developed by IBM, Intel, Matsushita and Toshiba (the “4C” companies) in the context of open broad-based industry discussions. Technological elements of CPPM and CPRM include robust encryption of copyrighted material and implicit authentication of recording and rendering products via storage media-based broadcast encryption. Secret keys necessary for integration into such products are available through license from the 4C Entity, LLC. The license agreement requires that such products be manufactured to handle protected copyrighted works in a compliant manner, and to resist attempts to circumvent the protection system through discovery of keys, etc. If the key assigned to a given product is compromised in a way that threatens the effectiveness of the system, that key can be revoked via information distributed on new storage media, while remaining compliant products continue to handle protected works in an interoperable manner.

CPPM has been defined for the protection of audiovisual content distributed in the DVD-Audio format, and is now implemented in a variety of consumer electronics and information technology products designed for playback of that format. It is anticipated that CPPM can be applied to other formats in the future. CPRM has been defined for the protection of audiovisual, literary and other copyrighted works stored on a variety of optical and flash memory-based storage media, including DVD-R, DVD-RW, DVD-RAM, SD Memory Card and Secure CompactFlash. CPRM is also implemented in a variety of current consumer electronics and information technology products, and will be defined for additional content and storage formats in the future. The cryptographic cipher used for both CPPM and CPRM (the “C2” cipher) is also licensed separately by 4C Entity, LLC for certain uses, such as encrypting content stored on a fixed hard drive for “time shifting” purposes.

Specifications, licensing terms, and other information regarding C2, CPPM and CPRM can be found at <http://www.4Centity.com>.