



Technical Specifications and Requirements for the submission of DCPs (Digital Cinema Packages) for theatrical exhibition at 74th Venice Film Festival

D-Cinema Systems: All Digital Cinema Systems in use at the 74th Venice Film Festival (74th VFF) are interoperable with Interop-DCP and SMPTE-DCP Packages.

DCP Packages: It is requested to provide **two identical DCPs of the same movie, each one supplied on a CRU data port Hard Disk Drive (HDD)**, by August 18th. Each HDD shall contain only the DCP related to the movie. Each DCP submitted to the 74th VFF should meet the current Interop-DCP or SMPTE-DCP (E.G. Version B2.1 or that in force). No Mixed Formats, SMPTE-DCP and Interop-DCP, in the same DCP are accepted. The Assetmap of the DCP shall include only the CPL required for the theatrical exhibition at 74th VFF. The text name of the CPL should comply with the current Digital Cinema Naming Convention. Only in case of logos or trailers is it possible to accept Flash memory USB or to agree on a FTP transfer service. However, the picture format, the audio and DCP package must be the ones used for the film. It is also recommended that the pre-roll and after-roll time are no more than 2 sec. each.

Soundtracks: Accepted soundtracks are 5.1 and 7.1 Channel-Based. "Object Audio" must be authorized in advance by the Director of the 74th VFF.

DCP Containers: Each DCP must be supplied on a **3.5" Media Drive HDD in an industry CRU carrier** and should support eSATA 6G and USB3 data interfaces.

The partition of the File System on the media device should be formatted as Linux EXT3 or EXT2, with the inode size set to 128 bytes. Each media drive CRU HDD should be supplied in a dedicated safety shipping box, and be labeled using current Digital Cinema Naming Convention.

DCP Technical Form: The safety shipping box used to supply the Media Drives must include the **DCP TECHNICAL FORM** provided by the 74th VFF. The DCP Technical Form, which is in fact the "I.D. Card" of the DCP, must be precisely, editorially and technically, compiled and verified by the organization that will submit the movie to the 74th VFF.

QC&V (Quality Control & Verification): In order to achieve the best possible Sound & Vision Quality Experience in the theaters of the 74th VFF, before being delivered to us, each DCP and his media drive, must first be verified and validated by the organization that submits the movie to the 74th VFF. QC&V should include image quality, picture format, audio quality and format, on-screen and off-screen subtitles, interoperability and compliance with SMPTE-DCP or Interop-DCP, media drive integrity and compatibility, data and asset integrity, brightness and color space, length of the movie, credits off-set, etc. The results of this QC&V should be reported in the DCP Technical Form and be included in the safety shipping box used to deliver the media drive to the 74th VFF.

TCC (Technical Compliance Checks): Each DCP delivered on time to the 74th VFF will be technically verified regarding its interoperability and compliance with the systems used at 74th VFF and the info of the DCP Technical Form. These checks do not replace the QC&V but are necessary to prepare the PCF (Project Configuration File) and thus program the DCP correctly for the theatrical exhibition at the 74th VFF. Problems of non compliant DCPs cannot be solved at the 74th VFF and will be notified to the organization that submits the movie.

On-Screen Subtitles: The 74th VFF requires that Italian (English for Italian movies) **On-Screen Subtitles** be delivered as burned into the picture. If delivered as XML File embedded in the DCP, and/or as DCP Supplemental Package, it is responsibility of the organization that submits the movie to have them in sync (Timed Text) with each frame of the entire movie and be positioned in the active area of the projected image format. CPL should use lower case text indicating burned in subtitles. Upper case if rendered (Embedded or DCP Supplemental Package).

Off-Screen Subtitles (English): These will appear on a separate screen under the main screen. The file must be delivered on separate media such as an Optical Disk. These subtitles must be in sync (Timed Text) with on-screen subtitles and therefore have the same frame rate. We require that you send a 100% identical DVD and the lists of subtitles with Time Code - both in Italian and English - by August 10th, 2017. Off-Screen Subtitles for 3D Stereoscopic movies are not accepted.

KDM: If you deliver encrypted DCPs, we require that the validity of the KDMs includes the day the DCPs arrive at 74th VFF (not after August 18th) till September 10th, 2017. The KDMs shall be valid for all the Servers/IMB/Media Blocks in use at 74th VFF. The list will be available on request. Please deliver KDMs to the Cinema Department of La Biennale (digitalcinema@labiennale.org) and cc to Angelo D'Alessio (angelo.dalessio@labiennale.org). If an automatic upload or download service for KDMs is available the Cinema Department of the 74th VFF must be made aware at once. Please never send KDMs in zipped folders.

Note: If the validity of KDMs is not compliant with the above requests, the 74th VFF will be unable to perform the TCC and prepare the PCF. As a result, it will not be possible to plan the DCP for the theatrical exhibition at the 74th VFF.

Intermission: If the DCP requires an Intermission (separation of the movie in two or more parts), the DCP should be made accordingly by the DCP Encoding Lab. Any intermission must be first authorized by the Director of the 74th VFF and must be clearly indicated in the DCP Technical Form and in the CPL of the DCP.