# Specifications and Guidelines for DCP Delivery to the 77. Venice International Film Festival

**The VIFF kindly recommends that each DCP delivered to the VIFF should be compliant with the specifications and guidelines outlined below. Thus it will be possible to achieve the sound and vision representation of the creative and technical intent in a theatrical environment at the 77.VIFF.**

**DCP Packaging Format:** The 77.VIFF accepts DCPs compliant with the Standard **SMPTE DCP** Application Profile Bv2.1 as preferred format; **"Interop-DCP"** can also be accepted assuming that they are fully compliant with DCI Specifications. It is recommended to commission a Professional Mastering Facility to create the DCPs, the "Supplemental" DCPs (if required), to generate the KDMs (if required), and to performs the DCP Quality Control & Validation (QC&V) process as outlined below.

**DCP Quality Control & Validation (QC&V):** As a task of the submission process, the VIFF kindly asks that the QC&V should be done by the Professional Mastering Facility and by the Producer and/or Distributor who submits the movie to the 77.VIFF. The results of the QC&V should be included in the **Online DCP QC&V Report** for both the DCP1 (Show Copy) and the DCP2 (Backup Copy).

**Online DCP QC&V Report:** Care should be taken to ensure that all data and/or information are precisely verified and validated only when the final DCPs (DCP1 Show copy and DCP2 Backup copy) have been rigorously approved in all of its Files/Assets by the Professional Mastering Facility and by the Producers and/or Distributors that submit the DCP to the 77.VIFF. The link to upload the report will be made available only to invited films.
**Data and/or information not conforming to the data and/or information of the DCP submitted to the 77.VIFF, may result in issues and/or errors during the screening of DCP in a theatrical environment at the 77.VIFF.**

**CPL (Composition Playlist):** This is a ContentTitleText string that describes, specifies and instructs on how to screen the version of your movie at the 77.VIFF. Care should be taken to ensure that it follows the recommended practice "Digital Cinema Naming Convention" V.9.6 or the version in force.
This string is used also elsewhere (e.g.: in the annotation text of the PKL and in the KDMs); all these entries should MATCH EXACTLY in order for the DCP to work properly in d-cinema systems.
DCP already delivered cannot be replaced. Any changes must in case be authorized by the Director of the 77.VIFF. Moreover, any time a CPL is revised, either the date field or version number shall be updated or amended in some way to denote a new version has been created.

**Soundtracks:** Preferred Audio configurations are 5.1 and 7.1 Channel-Based. Immersive Audio (Object Audio) is also accepted but must have prior authorization from the Director of the 77.VIFF. The Audio data shall be formatted in conformance with the SMPTE-DCP Standard in force. [Note: only Sala Darsena is equipped with Object Audio.]
In case of Stereo 2.0 DCP, it will be up-mixed to 5.1 during the screening unless the Producers and/or Distributors of the movie explicitly request stereo playback. The 77.VIFF does not recommend 2.0 playback in large theaters due to the missing center channel.

**DCPs delivery date:** It is requested to provide two identical DCPs (DCP1 Show copy and DCP2 Backup copy) of the same movie, including the same ContentTitleText value, each one supplied on a Physical Storage Device (see info below), **by August 18, 2020**. Each storage device shall contain only the DCP related to the movie. Note: "Supplemental" DCP, (if required), should be delivered on the same DCP Physical Storage Device that includes the CPL of the movie that will be screened at the 77.VIFF.

**DCP Physical Storage Devices:** Each DCP should be preferably delivered in a 3.5" Hard Disk Drive (HDD) with interfaces CRU-Dataport and eSATA 6G. Solid State Disk (SSD) and portable Flash devices (USB Sticks) are also accepted. The partition on the storage device should be formatted specifically for Linux using the Extended File System EXT2 or EXT3 or EXT4, with the iNode size set to 128 bytes. Each storage device should be supplied in a dedicated safety shipping box, must be rigorously labeled, and be accompanied by a print copy of the **DCP QC&V Report**.

**DCP Digital File Transfer:** The delivery of DCP by digital file transfer (e.g. Aspera Transfer Service) might be possible assuming that the following considerations are in place: a Broadband Internet connection that exceed 50Mbit/s or better must be used; the size of DCP must not exceed 5GB; the DCP must have been rigorously verified and validated (see **DCP Quality Control & Validation (QC&V).** However, you need the preventive authorization and instructions from the Cinema Department of La Biennale (digitalcinema@labiennale.org).

**Technical Conformance Checks (TCC):** Each DCP delivered on time to the 77.VIFF will be technically verified and validated by the dedicated team at the 77.VIFF before its first screening. If a DCP has problems, for example technical data error, non-conformance with the SMPTE-DCP standard or Interop-DCP specifications, the 77.VIFF cannot solve these problems and so the DCP cannot be screened as provided. The 77.VIFF will inform the producer or distributor of the movie to agree on the solution. Please note: **The TCC do not replace the QC&V that is under the fully responsibility of the Producers and/or Distributors that submit the DCP to the 77.VIFF.**

**On-Screen Subtitles:** The 77.VIFF requires that Italian (English for Italian movies) **On-Screen Subtitles** be delivered as burned into the picture, or as XML File embedded in the DCP (OV or VF). It is the responsibility of the organization that submits the movie to have them in sync (Timed Text) with each frame of the entire movie and positioned in the Safe Title Area of the image format and not positioned on a black letterbox area. CPL should use lower case text indicating burned in subtitles; uppercase if embedded. Type and dimension of the font is also an important issue to consider. On-Screen Subtitles checks should be done during the QC&V, and are under the responsibility of the Producers and/or Distributors that submit the DCP to the 77.VIFF. We highly recommend that the subtitles be produced by a professional subtitling provider.

**Off-Screen Subtitles (English):** These will appear on a separate screen under the main screen. The file must be delivered by email. 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 or a link to a downloadable video file and the lists of subtitles with Time Code - both in Italian and English – by August 18, 2020. Both the video and the subtitles lists must be sent as a single long-play file and not split into reels. Off-Screen Subtitles for 3D Stereoscopic movies are not accepted at 77.VIFF.

**KDM**: The 77.VIFF kindly recommends you to deliver non-encrypted DCPs. If the DCPs are encrypted, we require that the validity of the KDMs includes the day the DCPs arrive at the 77.VIFF (not after July 18, 2020) till September 13, 2020. The KDMs shall be valid for all the IMB/Media Blocks in use at the 77.VIFF. The list of certificates will be available on request from digitalcinema@labiennale.org. The delivery of KDMs, should be done in one zipped folder named after the movie title and sent by e-mail, to digitalcinema@labiennale.org. Remote downloading of the KDMs is also acceptable assuming to provide the 77.VIFF with dedicated info of the laboratory or the office (name of the person, phone number and email address) in charge for this service.

Note: If the validity of KDMs is not compliant with the above requests, the 77.VIFF will be unable to perform the **Technical Conformance Checks (TCC) of the DCP.** As a result, it will not be possible to program correctly its theatrical exhibition at the 77.VIFF.