

TECHNICAL DELIVERY STANDARDS

version November 2023



HISTORY OF THIS DOCUMENT:

VERSION	CHANGES
November 2023	<ul style="list-style-type: none"> - new audio track layout - new programme & commercial break timecode indication - new filename structure - change of link to Faspex platform - additions of links to editorial briefings for promo/web content
June 2022	<ul style="list-style-type: none"> - change in partitioning of programme parts (file sequence) - adjustment of loudness specs - change of Faspex manual link
February 2021	<ul style="list-style-type: none"> - addition of loudness recommendation - simplified layout
February 2020	<ul style="list-style-type: none"> - addition loudness specification for trailer/promo's

GENERAL:

- Programmes must be delivered in HD exclusively
- Pre-recorded programmes must be delivered file-based
- Content must be recorded in a 1920x1080i/50 resolution minimally. Upscaled lower resolutions are not allowed.
- In the case of live transmissions, the video signal will be offered to DPG Media in 1920x1080i/50
The signal must be offered through a main and backup signal path
DPG Media will provide the necessary video transmission paths from studio location to its premises, unless agreed differently
- DPG Media reserves the right in all cases to refuse material if it is not compatible with the guidelines in this document.

DELIVERY OF PROGRAMME MASTER FILES:

DPG Media uses the transfer tool “**IBM Faspex**” to transfer video content over Internet. Faspex is reachable via <https://faspex.dpgmedia.be>. To gain access, a login name and password must be requested from the Media Support team of DPG Media. Contact details at the bottom of this document

Faspex manual can be found here

<https://docs.google.com/document/d/1m-LKUirQLuyDIFzjA7M5msRRFZJlpKxwLqbV3PA7fzl/edit?usp=sharing>

All programme parts must be in 1 file.

This file has the following specifications:

Container	MXF OP-1a
Video Codec	XDCAM-HD422 1920x1080i/50 50Mbit CBR MPEG2 long GOP
Field order	Odd (Upper Field First)
Color space	REC709
Audio Codec	PCM 24bit 16 tracks 48KHz

This is the filename structure:

- programme title
- if applicable, season + episode SxxExx
- if applicable, episode title
- if applicable, version number of delivered file(*)

All parts are to be separated by an underscore (_)
e.g. LEGOMASTERS_S01E08_FINALE_V3

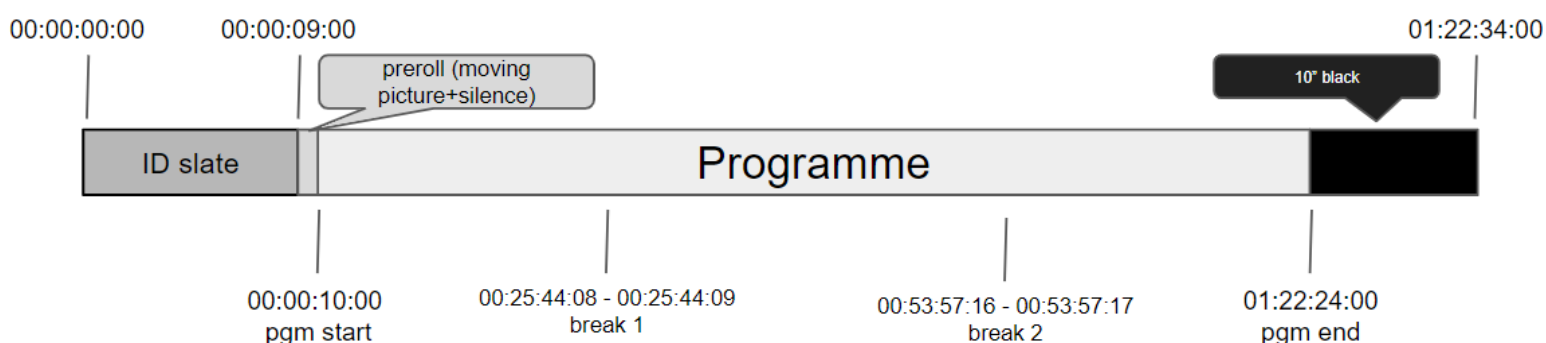
Only characters that are allowed for file names in a Windows environment can be used here.
(i.e. no ellipses, no quotes, no “\”, etc.)

(*) if a file has to be re-submitted for certain reasons, from a second version “V2”, “V3”, etc. will be added to the name

SEQUENCE IN PROGRAMME MASTERS:

Sequence of Master file:

- 00:00:00:00 = start of file
- from 00:00:00:00 to 00:00:08:24 = ID/chart stating the information below:
 - Programme title and episode number
 - Start and end timecode per programme part
 - Duration per part and total programme duration
- 00:00:09:00 to 00:00:09:24 preroll
1s moving picture with silence, prior to start of program
- 00:00:10:00 = start of programme
Consecutive programme parts are **not** separated by black/freezes/IDs:
Start the next program part each time on the next frame
No postroll at the end of each part - no moving exit picture with silence
Audio is neatly 'laid down' at the end of each program section
- 10sec black after programme end = end of file
- Timeline example:



Commercial breaks & timecode indication

- Timecode is uninterrupted from start to end of the file
- On ID slates (pancartes) and the file delivery platform (resp. Faspex or Patsi) , timecodes should be indicated as followed:
 - Program: 00:00:10:00 - 01:22:24:00
 - Break 1: 00:25:44:08 - 00:25:44:09
 - Break 2: 00:53:57:16 - 00:53:57:17

- ID slate example



AUDIO TRACKS:

	Content	Mandatory	If ordered/ available
1	PGM L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	PGM R	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	PGM L with Audio description (mixed)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	PGM R with Audio description (mixed)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Sync/Dialogue L or mono Sync/Dialogue	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Sync/Dialogue R or mono Narration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Music L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	Music R	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Effects L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	Effects R	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	PGM 5.1 Left Front	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	PGM 5.1 Right Front	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	PGM 5.1 Center	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	PGM 5.1 LFE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	PGM 5.1 Left Surround	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	PGM 5.1 Right Surround	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Unused tracks should stay silent but not skipped; in order to keep the track order

M&E tracks for Fiction

M&E tracks shall not be dipped

Fully filled M&E tracks can be demanded on special request

M&E tracks for Factual

M&E tracks shall not be dipped

Sync/Dialogue shall be separated from narration i.e. VoiceOvers, commentary

M&E tracks for Entertainment studio shows

M&E tracks should be delivered according best effort

AUDIO LOUDNESS:

- Audio levels are mixed according the **EBU R128** recommendation ([EBU R128-2020](#))

integrated loudness	-23 LUFS (= reference 0 LU)
maximum True Peak level	-1 dBTP
maximum short term loudness (“S”) for long form content	no limitation
maximum short term loudness (“S”) for trailers/promo’s	+ 5 LU of -18 LUFS
loudness range (“LRA”)	≤ 15 LU (recommendation)

- **programme mix** (stereo+5.1) and Audio Description mix must comply to -23 LUFS Integrated Loudness, this does not apply for the M&E tracks

PROMO TRAILERS

DPG produces trailers to promote its programmes. At the request of DPG Media, the producer makes the necessary content available so that targeted promotion for this programme can be made.

Preferably, the antenna assembly is supplied with color grading and without graphics (i.e. a **clean feed**), according to the **same technical specification as programme masters**.

If no programme master is available yet, image and sound fragments may be supplied in their most original form (original rushes with original metadata).

All practical and editorial guidelines for Promo material can be found here

In case of rushes :

1. provide LUT files/info used at recording
2. use a ZIP file with prefix “TITLE_Sxx_Exx_EPISODE TITLE_RUSH_PROMO_”.

Promotional footage is also to be delivered via Faspex in the PROMO box.

All practical & editorial guidelines regarding shortform/web material can be found here:

https://docs.google.com/document/d/1DAw5OTaU2cXJDSOyYz8GCNn1RFv58FL_kN8qTFMqpl/edit?usp=sharing

WEB CONTENT

Short form material for website & social channels is also to be delivered via Faspex, in the WEB box. Short form material should be delivered according to the same technical specification as programme masters

All practical & editorial guidelines regarding shortform/web material can found here

https://docs.google.com/document/d/1ntojaS_81mbZvKK_w6s2gAJwvkCPGrEftEV3wZjdmTI/edit?usp=sharing

NEED EXTRA INQUIRIES?

Please contact team Media Support: mediasupport@dpgmedia.be of +32 2 255 36 50