

Metadata for Dolby® AC3 transmission via the Dolby® E stream will be fixed by UEFA to ensure a consistent fold-down of the Dolby® 5.1 mix across all matches.

The Dolby® E program configuration should be set to 5.1+2, with a 20-bit depth and a frame rate of 25Hz.

The metadata parameter within the Dolby® E stream is set with a Dolby® dialnorm value of -22 with “film light” dynamic range control (DRC), down-mix parameters of -3dB centre and -6dB surround with -3dB attenuation disabled. The coding mode is 3/2 with low-frequency effects (LFE) enabled.

A Dolby® 570 multi-channel audio tool should be inserted in to the monitoring chain at the mix position to monitor the effects of this metadata.

Suitable test and monitoring equipment should be used by the host broadcaster to ensure that its interface and transmission of the encoded Dolby® E signal are correct (a Dolby® DM100 or LM100 is recommended).

new

## DOLBY E® METADATA

Preset Name
NL2020

Dolby E Program Config
5.1+2

Metadat Parameters		
Prog Description	NL2020 5.1	NL2020 2.0
Dialogue Level	-23 dB (LUFS)**	-23 dB (LUFS)**
Channel Mode	3/2	2/0
LFE Channel	Enabled	Disabled
Bitstream Mode	Main Complete	Main Complete
Line Mode Pro	Film: Light	Film: Light
RF Mode Pro	Film: Light	Film: Light
RF Ovrmd Protect	Disabled	Disabled
Center Downmix Level	0.707 (-3 dB)	N/A
Surround Downmix Level	0.595 (-4.5 dB)	N/A
Dolby Surround Mode	Not Dolby Surround	Not Dolby Surround
Audio Prod Info	No	No
Mixing Level	85dB	85dB
Room Type	Not Indicated	Not Indicated
Copyright	Yes	Yes
Original Bitstream	Yes	Yes
Preferred Stereo Downmix Mode	Lo/Ro	N/A
Lt/Rt Center Mix Level	0.707 (-3 dB)	N/A