

However, as technology is changing at a rapid pace and more UHD equipment and systems become available for use on live broadcast productions, this will have a major influence on production decision making. The demand for dual format or simultaneous production for both HD and UHD delivery using dual or single OB vans is becoming a reality.

As such, UEFA are constantly evaluating and testing new technologies and innovations to always improve the fan experience of our competitions.

Host broadcasters may also produce UEFA Nations League matches in UHD (SDR or HDR) under the following conditions:

- The HD production feed and framing shall always take priority and will be the primary deliverable. The coverage style shall still have HD as the main focus, all camera control, shading and colour matching must be done as for a HD delivery (SMPTE-299M SDR Rec.709).
- Option 1 (UEFA's recommended option, see diagram below):
 - The broadcast format will be simultaneously synchronized and timed UHD (4 synchronized 1080p50 quadrants (1920x1080 each) Level A) and
 - HD-SDI 1080i50 feeds produced from a single production platform.
- Option 2 (see diagram below):
 - If the technical setup does not allow the preferred option 1, the broadcast format will be UHD (4 synchronized 1080p50 quadrants (1920x1080 each) Level A) with colour down mapping and/or down conversion of the Multilateral Feed UHD Feed for delivering the HD-SDI 1080i50 feed.
 - In this case it is mandatory to provide a main and backup processing chain for the HD-SDI 1080i50 Multilateral feed production.
 - The UHD production workflow explaining colour down mapping and/or down conversion from UHD (SDR or HDR) to HD-SDI 1080i50 will have to be approved by UEFA.
- The production philosophy must always follow the HD approach – camera shots, replays must not be adapted to suit the UHD coverage but vice versa.
- All format conversion, resolution upscaling and colour mapping will be processed in the main vision mixer with simultaneous UHD and HD-SDI outputs.
- No up conversion of HD-SDI 1080i is allowed for the UHD.
- All embedding and format conversion of the UHD to 1080i should only be done utilising high quality broadcast equipment.
- Delivery of all feeds, isolated feeds and master recordings must be in HD as normal.
- Emergency and back-up feeds should be available as per a normal HD production – including camera 1 UPS back-up, back-up satellite feeds and emergency switching panels (emergency bus) should the vision mixer fail. This emergency workflow must be the same for both for UHD and HD.
- All graphics and match elements such as opening and closing sequences should be in UHD quality.

Two independent feeds will be produced in the multilateral facility. Feed A and Feed B. These two feeds will be delivered in HD1080i50 and UHD (SDR and/or HDR). The production standards are:

- UHD – 3G-SDI SDR Rec.709, 2970 Mbps 1080p50 Level A as defined by SMPTE-424M, 4 synchronized 1080p50 quadrants (1920x1080 each) Level A quad link with up to 16 audio channels as 8 AES/EBU stereo channels in groups 1-4 (SMPTE-299M)
- UHD - 3G-SDI HDR Rec.2100, 2970Mbps 1080p50 Level A as defined by SMPTE-424M, 4 synchronized 1080p50 quadrants (1920x1080 each) Level A quad link with up to 16 audio channels as 8 AES/EBU stereo channels in groups 1-4 (SMPTE-299M)