

8 BROADCAST CONTENT DISTRIBUTION

8.1 SATELLITE DISTRIBUTION – EUROPE

UEFA has appointed the Eurovision Service (ES) (formerly EBU) to assist with the administrative and technical coordination of signal transmissions for all UNL matches and selected additional content to European broadcast partners.

The Eurovision Service will provide the necessary technical planning as well as coordinating and delivering signals to broadcast partners.



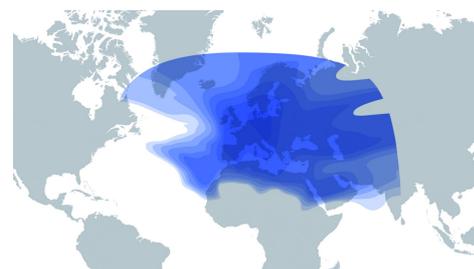
8.1.1 EUROPEAN TRANSMISSIONS

The modulation scheme for satellite distribution over Europe will be DVBS2 8PSK (SNG uplink) or, alternatively, NS4 16APSK (fibre contribution and Eurovision multiplex distribution).

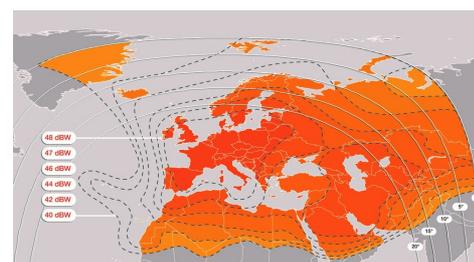
All broadcast partners will be required to obtain the necessary equipment to receive digital transmissions via the Eurovision Service network, or use their own compatible receiving equipment (which must be registered in the Eurovision Service database).

For each match, deployment of 1 fully redundant SNG truck or when relevant fly away unit (1+1) HD in MPEG4, h.264, 4:2:2, 50 Hz at a bit rate of 31 Mbit/s (DVB S2 modulation).

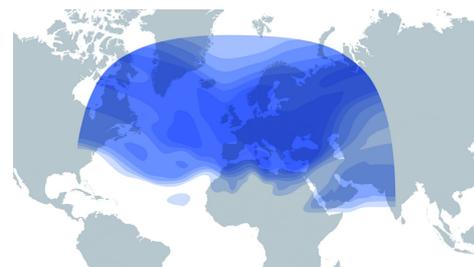
If there is a fibre connection from the stadium to the Eurovision FiNE network, the signal will be routed into the Eurovision European Hypermux platform on Eutelsat 7B at 7°E or Eutelsat 10A at 10°E. The signal will then be encoded in MPEG 4, h.264, 4:2:2 at bit rate of 31 Mbit/s service in the Hypermux (NS4 modulation).



Eutelsat EU7B @ 7° East



Eutelsat EU10A @ 10° East



ABS-3A @ 3° West

8.1.2 INTEGRATED RECEIVER/DECODERS AND ENCRYPTION FOR EUROPE

In order to receive the HD satellite transmissions, broadcast partners must have the necessary IRDs and NS4 demodulators installed at their technical facilities.

The NS4 demodulators and Ericsson RX8200 IRDs will be supplied by the Eurovision Service.

The Eurovision Service will supply the necessary equipment to all broadcast partners: IRDs to receive DVBS2 carriers as well as Novelsat NS2000 demodulators for reception of NS4 modulated Hypermuxes. Broadcast partners

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