

Source: Japan
Title: Mandatory audio coding for native H.310 mode
Purpose: Proposal

Currently, Table 3/H.310 specifies that G.711 audio coding is mandatory for the native H.310 communication mode of the RAST type.

This document proposes to mandate ISO/IEC 11172-3 (MPEG-1) Layer II audio coding (Note) instead of G.711 for the above case with the following reasons:

- 1) The current combination of H.262 MP@ML and G.711 audio lacks balance between video quality and audio quality.
- 2) MPEG1 Layer II is mandated for the ROT/SOT (H.310 native mode by definition). Definition of native modes should be consistent among ROT, SOT and RAST.
- 3) Decoder chips are becoming available which implement MPEG-2 video and MPEG-1 audio together.

Note - As to the relationship between Layer I, Layer II and Layer III of MPEG-1 audio, ISO/IEC 11172-4 specifies that they are hierarchical; e.g. a Layer II decoder shall support Layer I as well, though ISO/IEC 11172-3 is not explicit in this respect. Actual products of Layer II are hierarchical with Layer I.

END