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Autore	Garcia Marie-Neige
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Nota di contenuto	Introduction -- Quality engineering -- Model Framework -- Audio Quality Model -- Video Quality Model -- Audiovisual Quality Model -- Conclusion and Outlook.
Sommario/riassunto	This volume presents a parametric packet-based audiovisual quality model for Internet Protocol TeleVision (IPTV) services. The model is composed of three quality modules for the respective audio, video and audiovisual components. The audio and video quality modules take as input a parametric description of the audiovisual processing path, and deliver an estimate of the audio and video quality. These outputs are sent to the audiovisual quality module which provides an estimate of the audiovisual quality. Estimates of perceived quality are typically used both in the network planning phase and as part of the quality monitoring. The same audio quality model is used for both these phases, while two variants of the video quality model have been developed for addressing the two application scenarios. The addressed

packetization scheme is MPEG2 Transport Stream over Real-time Transport Protocol over Internet Protocol. In the case of quality monitoring, that is the case for which the network is already set-up, the audiovisual stream is encrypted either at the level of Packetized Elementary Stream or of the Transport Stream. The presented model became standardized under the ITU-T P.1201 and P.1201.2 recommendations.

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