

ITU-T

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SERIES J: CABLE NETWORKS AND TRANSMISSION
OF TELEVISION, SOUND PROGRAMME AND OTHER
MULTIMEDIA SIGNALS

Measurement of the quality of service - Part 3

**Hybrid-NR objective perceptual video quality
measurement for HDTV and multimedia
IP-based video services in the presence
of non-encrypted bitstream data**

Recommendation ITU-T J.343.2

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Hybrid-NR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of non-encrypted bitstream data

Summary

Recommendation ITU-T J.343.2 provides hybrid no reference (Hybrid-NR) objective perceptual video quality measurement methods for HDTV and multimedia when non-encrypted bitstream data are available. The following are example applications that can use this Recommendation:

- potentially real-time, in-service quality monitoring at the headend;
- video television streams over cable/IPTV networks including those transmitted over the Internet using Internet protocol;
- video quality monitoring at the receiver when non-encrypted bitstream data are available;
- video quality monitoring at measurement nodes located between point of transmission and point of reception when non-encrypted bitstream data are available;
- quality measurement for monitoring of a transmission system that utilizes video compression and decompression techniques, either a single pass or a concatenation of such techniques;
- lab testing of video transmission systems.

This Recommendation includes an electronic attachment containing test vectors, including video sequences, bitstream files and predicted objective model scores.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T J.343.2	2014-11-29	9	11.1002/1000/12317

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

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As of the date of approval of this Recommendation, ITU had received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

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