

RECOMMENDATION ITU-R BT.1380*

Standards for bit rate reduction coding systems for SDTV**

(Question ITU-R 12/6)

(1998)

The ITU Radiocommunication Assembly,

considering

- a) that rapid progress is being made in bit rate reduction coding techniques;
- b) that bit rate reduction coding of digital SDTV signals will find wide applications for emission by terrestrial means and by satellite, for contribution, for both primary and secondary distribution by telecommunication network and by cable network;
- c) that a number of Radiocommunication Groups are studying the uses of bit rate reduction coding in the various applications;
- d) that ITU-R Recommendations on user requirements have been established for emission by terrestrial means and by satellite, for contribution, for both primary and secondary distribution by telecommunication network and by cable network;
- e) that Recommendation ITU-R BT.1203 for user requirements for generic bit rate reduction coding for an end-to-end television system (contribution, primary and secondary distribution, emission and related applications) has been established;
- f) that ISO/IEC JTC 1/SC 29/WG 11 (MPEG) has standardized the syntax for generic coding systems for TV signals,

recommends

1 that the following bit rate reduction coding systems specified in the table below should be used for SNG, contribution, studio production, primary and secondary distribution and emission by means of terrestrial and satellite for SDTV signals.

* Radiocommunication Study Group 6 made editorial amendments to this Recommendation in 2003 in accordance with Resolution ITU-R 44.

** In this Recommendation SDTV refers to Recommendation ITU-R BT.601 based signals.

SNG	Contribution	Studio production	Primary distribution	Terrestrial Emission	Satellite Emission	Secondary distribution
MPEG-2 MP@ML	MPEG-2 422P@ML ¹ ITU-T Rec. J.81	MPEG-2 422P@ML ² DV ³	MPEG-2 422P@ML ¹	MPEG-2 MP@ML	MPEG-2 MP@ML	MPEG-2 MP@ML

¹ Taken from draft new ITU-T Recommendation J.89.

² Bit rate limited to 50 Mbit/s, taken from Recommendation ITU-R BR.1376.

³ Bit rate limited to 25 Mbit/s either for 4:2:0 or for 4:1:1 sampling structure and at 50 Mbit/s for 4:2:2 sampling structure, taken from Recommendation ITU-R BR.1376.