

RECOMMENDATION ITU-R BT.806^{*,**}**Common channel raster for the distribution of D-MAC,
D2-MAC and HD-MAC signals in collective antenna
and cable distribution systems**

(1992)

The ITU Radiocommunication Assembly,

considering

- a) that Recommendation ITU-R BO.650 in Annex 1 recommends the use of multiplex analogue components systems D-MAC/packet and D2-MAC/packet systems for satellite emission of TV, and gives the corresponding specifications;
- b) that Recommendation ITU-R BO.787 recommends the HD-MAC/packet system for satellite emission of MAC/packet-based compatible HDTV, and gives the corresponding specifications;
- c) that there is an urgent need to provide means of distributing the TV signals received from these emissions in cable and community antenna systems;
- d) that VSB/AM versions of the D-, D2- and HD-MAC systems intended for such distribution are specified internationally by, for example, the EBU in Tech. Publication 3258;
- e) that the RF characteristics of MAC AM-VSB cable receivers have been specified internationally in, for example, the European standard EN 50080;
- f) that VSB/AM D- and HD-MAC are optimized for distribution in 12 MHz channels;
- g) that VSB/AM D2-MAC is adapted for distribution in channels with a bandwidth of 8 MHz;
- h) that VSB/AM D2-MAC signals can also be conveyed with full quality in a 12 MHz channel;
- j) that a common channel raster would be of great advantage to facilitate the transition from MAC/packets to HD-MAC/packets;
- k) that so far few administrations have implemented the use of the band 300-470 MHz (also known as hyperband) for cable systems,

* This Recommendation should be brought to the attention of the IEC and ITU-T.

** Radiocommunication Study Group 6 made editorial amendments to this Recommendation in 2002 in accordance with Resolution ITU-R 44.

noting

that D2-MAC terrestrial narrow-band emission is under study,

recommends

that, to the extent practicable, administrations or organizations wishing to have a common channel raster in their collective antenna and cable distribution systems for HD-MAC, D-MAC or full-quality D2-MAC VSB/AM signals in the band from 300-470 MHz should use a 12 MHz channel raster.
