RECOMMENDATION ITU-R BT.266-1*

Phase pre-correction of television transmitters

(1959-1992)

The ITU Radiocommunication Assembly,

considering

a) that most current television receivers use quasi-synchronous detection;

b) that a linear overall phase response is essential for data broadcasting services, for example, Teletext;

c) that different transmitter phase pre-corrections are used in different countries;

d) that current receivers are designed to operate with the existing phase characteristics of the transmitters to ensure an overall phase linearity;

e) that modern receiver filter technology does not necessarily require a transmitter phase pre-correction;

f) that considerable benefits are obtained if the phase pre-correction of transmitters were removed and receivers with a linear phase characteristic were used,

recommends

1 that administrations which are changing their transmitters to operate with no phase pre-correction, so that receivers with a linear phase characteristic may be used, should allow a sufficiently long transition period and should agree with receiver manufacturers to ensure that the dates for pre-correction and receiver change are aligned;

2 that any intermediate pre-correction changes during the transition period should be sufficiently small so that there is no noticeable impairment of the reception quality;

3 that administrations within a given broadcasting area should arrange to have similar transition periods and similar intermediate pre-correction changes.

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