

RECOMMENDATION ITU-R F.596-1

INTERCONNECTION OF DIGITAL RADIO-RELAY SYSTEMS

(1982-1994)

The ITU Radiocommunication Assembly,

considering

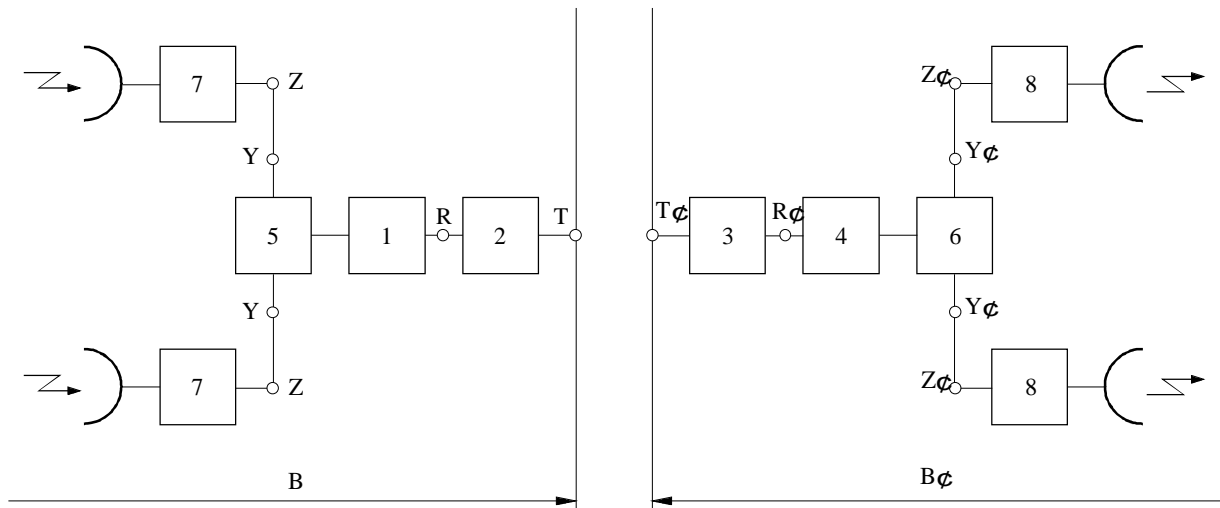
- a) that the signal characteristics at the interface of digital radio sections are given in ITU-T Recommendations G.703, G.957 and in Recommendation ITU-R F.750;
- b) that for digital radio-relay systems there is a need to use bit rates within the radio system different to the hierarchical levels recommended by the ITU-T;
- c) that interconnection at other points than T, T' of Fig. 1 would necessitate the standardization of many parameters which depend on individual system design;
- d) that interconnection at other points than T, T' of Fig. 1 may be the subject of bilateral negotiations between administrations concerned,

recommends

1. that interconnection of digital radio-relay systems with other transmission systems should be made in conformity with ITU-T Recommendation G.703 or G.957 only at points T, T' of Fig. 1;
2. that interconnection of digital radio-relay systems with other radio-relay systems should be made in conformity either with ITU-T Recommendation G.703 or G.957 or with Recommendation ITU-R F.750.

Note 1 – In the case of an SDH-compliant radio-relay system interconnecting with other transmission systems, the points T, T' correspond to NNI (network node interface).

FIGURE 1



B, B ϕ digital radio section

R, R ϕ possible interconnection points between radio-relay systems within a digital radio section

T, T ϕ output and input ports or in-jacks and out-jacks (as defined by ITU-T Recommendation G.703)

Y: input of the receive end of the switching equipment

Y ϕ output of the transmit end of the switching equipment

Z: output of the terminal receiver

Z ϕ input of the terminal transmitter

1, 4: possible signal processing units

2, 3: possible signal processors and interface units

5, 6: possible receive and transmit ends of protection switching equipment

7: receiver (including demodulator) and possible signal processing units

8: transmitter (including modulator) and possible signal processing units

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