INTERNATIONAL TELECOMMUNICATION UNION

# ITU-T G.422

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

## INTERNATIONAL ANALOGUE CARRIER SYSTEMS

## GENERAL CHARACTERISTICS OF INTERNATIONAL CARRIER TELEPHONE SYSTEMS ON RADIO - RELAY OR SATELLITE LINKS AND INTERCONNECTION WITH METALLIC LINES

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# INTERCONNECTION AT AUDIO-FREQUENCIES

## ITU-T Recommendation G.422

(Extract from the *Blue Book*)

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**NOTES**

1 ITU-T Recommendation G.422 was published in Fascicle III.2 of the *Blue Book*. This file is an extract from the *Blue Book.* While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2 In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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**Recommendation G.422**

## INTERCONNECTION AT AUDIO-FREQUENCIES

CCIR Recommendation 268 [1] states that, as far as is practicable, radio-relay systems for telephony providing circuits which may form part of an international connection should be such that these circuits conform with the relevant CCIR Recommendations for modern types of telephone circuit in the following respects:

1) the transmission characteristics of the circuits between audio-frequency terminals (the relevant Recommendations are contained in Section 1 of this Part);

2) the characteristics of the multiplex terminal equipment, where applicable (see Recommendations G.232 and G.412);

3) the method of signalling over international circuits, the relevant Recommendations are contained in Volume VI; see also the following Note:

*Note* - Since the CCITT Recommendations mentioned in 2) above envisage the use of well-defined audio signalling frequencies sent over the speech path, no signal repetition problems should arise.

When different signalling methods are used on a cable system and a radio-relay system, equipment will be necessary at the interconnection point to convert the two types of signalling to a common type, preferably d.c**.** signalling.

### Reference

[1] CCIR Recommendation *Interconnection at audio frequencies of radio-relay systems for telephony,* Vol. IX, Rec. 268, Dubrovnik, 1982.