



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.314

**SPECIFICATIONS OF SIGNALLING SYSTEM R1
LINE SIGNALLING**

PCM LINE SIGNALLING

ITU-T Recommendation Q.314

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation Q.314 was published in Fascicle VI.4 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.

2.4 PCM LINE SIGNALLING

Individual channel line signalling is provided in the format of the CCITT primary multiplex operating at 1544 kbit/s (Recommendation G.733). Designated signalling bits are marked 0 or 1 corresponding to tone-on, tone-off in the single frequency in-band arrangement as shown in Table 1/Q.311. As in the in-band system, the same signalling state is used to indicate more than one signal by taking advantage of the fixed order of occurrence of specific signals. The equipment must retain memory of the preceding signal states and the direction of signals in order to differentiate between like state 0 and state 1 signals.