



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.329

**SPECIFICATIONS OF SIGNALLING SYSTEM R1
TESTING ARRANGEMENTS**

MANUAL TESTING

ITU-T Recommendation Q.329

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation Q.329 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.

4.3 MANUAL TESTING

4.3.1 *Functional testing of signalling arrangements*

Functional tests from one end of the circuit to the other can be made by verification of satisfactory signal transmission by initiating a test call to:

- a)* technical personnel at the distant-end international exchange; or
- b)* a test call signal testing and answering device, if such equipment is available at the distant-end international exchange.

4.3.2 *Test calls*

1) Steps in the verification of satisfactory transmission of signals, involved in the completion of test calls (manual method):

- a)* place a call to the technical personnel at the distant international exchange;
- b)* on completion of the connection the audible ringing tone should be heard and the answer signal should be received when the call is answered at the distant end;
- c)* request distant end to initiate a hang-up (clear-back) signal, followed by a re-answer signal;
- d)* a hang-up (clear-back) signal should be received and recognized when the distant end hangs up and a second answer signal should be received and recognized when the distant end re-answers the call;
- e)* initiate a ring-forward (forward-transfer) signal which should be recognized at the distant end;
- f)* terminate the call and observe that the circuit restores to the idle condition.

2) If incoming signalling testing devices are available at the distant international exchange, the signal verification tests should be made using this equipment to the extent that the applicable features indicated in 1) above are available.