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SPECIFICATIONS FOR MEASURING EQUIPMENT

IN-STATION ECHO CANCELLER TEST EQUIPMENT

ITU-T Recommendation 0.27

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation O.27 was published in Fascicle IV.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.

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Recommendation O.27

IN-STATION ECHO CANCELLER TEST EQUIPMENT

(Melbourne, 1988)

1 General

The in-station echo canceller test equipment (ISET) is intended to test type C and D echo cancellers including tone disablers as specified in Recommendation G.165 [1]. Two test modes are provided as described below. The tests performed in each test mode are listed in Table 1/O.27.

2 Test modes

2.1 Routine test mode

In this test mode, ISET provides 7 simplified tests of echo canceller performance under normal circuit conditions with the adaptation and non-linear processing logic activated. Access to the echo canceller being tested is on a 4-wire basis, and these simple performance tests are made by applying test signals to the receive-in (R_{in}) and the send-in (S_{in}) ports of the echo canceller. Test results are measured at the send-out (S_{out}) port. A functional block diagram of the test arrangement is shown in Figure 1/O.27.

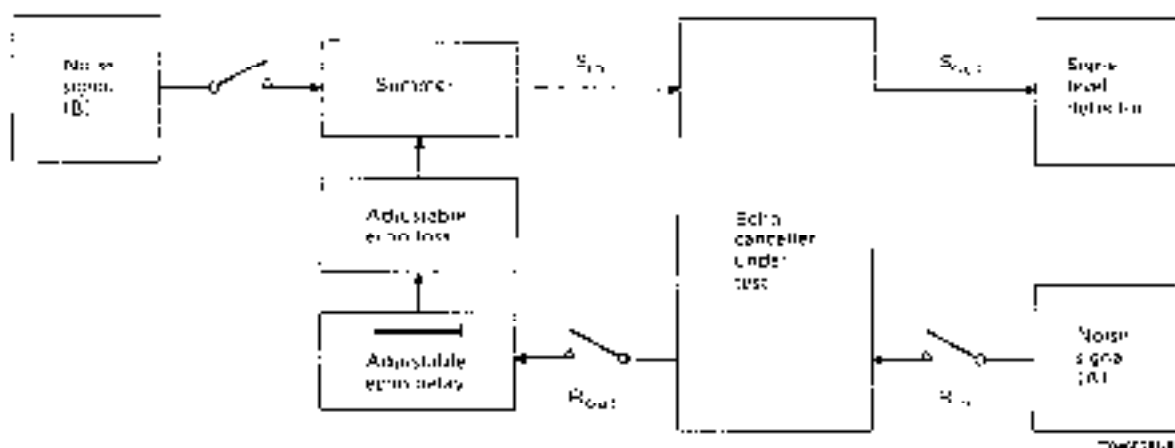


FIGURE 1/O.27

Functional block diagram of test arrangement

2.2 Diagnostic test mode

In this mode, all performance tests are made according to procedures specified in Recommendation G.165 [1]. The adaptation and non-linear processing logic is disabled when necessary by controlling the echo canceller that is being tested.