

ATAAB ADVISORY NOTE

TRAC Analogue Type Approval Advisory Board

ATAAB Advisory Note Number: AN 11

Subject: Requirement regarding establishment of loop for automatic answer

APPLICABILITY

This note is applicable for Terminal Equipment intended for connection to the Portuguese Public Switched Telephone Networks, in addition to:

" CTR 21" (When published)

NOTE: Until CTR 21 is available, reference should be made to ETSI document prTBR 21 (Sept 1997) or, when it is available, to TBR 21.

Appendix to this Advisory Note:

A: Additional requirements and tests for attachment to the Portuguese PSTN.

In consideration of the following:

- Terminal equipment must correctly interwork with the Portuguese PSTN as stated in Terminal Equipment Directive 91/263/EEC.
- Clause 4.5 of prTBR 21 tests the TE ringing signal detector sensibility by sending the ringing signal and waiting for the TE reaction during a time not specified.
- In the Portuguese PSTN, in some network exchanges, the ringing signal can be delivered to the TE for 2 min (if the call is not answered) and after that time the call is no more presented to that called party. This means that an automatic answering TE shall be able to respond to the ringing signal before this signal elapses.
- An automatic answering TE with a response to the ringing signal after 2 min may never answer to any call.

ATAAB advises the following:

Automatic answering terminal equipment connected to the Portuguese PSTN shall be able to answer to an incoming call during the delay of 2 min after the start of the application of the ringing signal to its terminals.

TE approved to CTR 21 and intended for connection to the Portuguese PSTN shall, in addition to the requirements of CTR 21, comply with the requirements found in Appendix A to this Advisory Note.

It is a supplier's responsibility to provide information for users as to whether the Terminal Equipment complies with the additional requirements for the Portuguese PSTN specified in this Advisory Note.

Appendix A also specifies the tests to assess compliance with the additional requirement.

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Appendix A

to

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Subject: Requirement regarding establishment of loop for automatic answer

A.1 INTRODUCTION

Terminal equipment approved to CTR 21 may not interwork properly with the Portuguese PSTN.

This Appendix specifies requirements to which a TE shall comply, in addition to the requirements of CTR 21 in order to ensure interworking with the Portuguese PSTN. It also specifies the method to assess compliance with these additional requirements, including reference to additional tests to be performed to dynamically assess compliance with the additional requirements.

A.2 NORMATIVE REFERENCES

- [1] CTR 21; Terminal Equipment (TE). Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE (excluding TE supporting the voice Telephony Service) in which network addressing, if provided, is by means of Dual Tone Multi-Frequency (DTMF) signalling.

NOTE: This document makes reference to CTR 21. Until CTR 21 is available, reference should be made to the base ETSI documents prTBR 21 (Sept 1997) or, when it is available, to TBR 21.

A.3 REQUIREMENTS AND ASSOCIATED TESTS

A.3.1 Ringing signal detector sensitivity

The following requirement is a change to Clause 4.5 of CTR 21 and to the associated tests in Clause A.4.5. The changes introduced by this Advisory Note limit the time given to the terminal to answer to the ringing signal, if the ringing detect function is provided.

The requirement of Clause 4.5 of CTR 21 shall read:

Requirement: If a ringing detect function is provided and enabled, the TE shall be able to respond to ringing signals of 30 Vrms at 25 Hz and 50 Hz with a cadence of 1 s ON and 5 s OFF, superimposed on a 50 VDC feeding bridge.

The terminal equipment shall respond as stated by the supplier and within a delay of 2 min after the start of the application of the ringing signal to the circuit.

Test: The test shall be conducted according to A.3.2.

A.3.2 Ringing signal detector sensitivity

The changes to Clause A.4.5 of CTR 21 shall be the following:

Requirement: Subclause A.3.1.

(...)

Measurement execution:

Using the test configuration shown in figure A.8, apply, one at a time, each one of the ringing signals described in "Measurement points" to the circuit to determine whether they are detected by the TE as stated by the supplier.

Formal processing: Measure the time elapsed between the start of the application of the ringing signal to the circuit and the TE response.

Verdict: If TE detects all the ringing signals above described in "Measurement points" and if the time measured above is < 2 min then "PASS"; else "FAIL".

ATAAB ADVISORY NOTE

TRAC Analogue Type Approval Advisory Board

ATAAB Advisory Note Number: AN 12

Subject: Requirement regarding transient after a change to the opposite polarity

APPLICABILITY

This note is applicable for Terminal Equipment intended for connection to the Spanish Public Switched Telephone Networks, in addition to:



" CTR 21" (When published)

NOTE: Until CTR 21 is available, reference should be made to ETSI document prTBR 21 (Sept 1997) or, when it is available, to TBR 21.

Appendix to this Advisory Note:

A: Additional requirements and tests for attachment to the Spanish PSTN