

**Access and Terminals (AT);
Analogue Access to Public Telephone Networks;
Advisory Notes to Standards Harmonizing Terminal Interface;
Part 3: Country Specific Advisory Notes;
Sub-part 1: ATAAB Advisory Note AN018
for the Czech Republic Network;
Automatic dialling with dial tone detection**



Reference

DTR/AT-010100-01

Keywords

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Foreword

This Technical Report (TR) has been produced by ETSI Technical Committee Access and Terminals (AT).

The present document results from comments received from the Czech Republic.

The present document is part 3, sub-part 1 of a multi-part deliverable covering Access and Terminals (AT); Analogue Access to Public Telephone Networks; Advisory Notes to Standards Harmonizing Terminal Interface, as identified below:

Part 1: "List of all Advisory Notes";

Part 2: "Generally Applicable Advisory Notes";

Part 3: "Country Specific Advisory Notes";

Sub-part 1: "ATAAB Advisory Note AN018 for the Czech Republic Network; Automatic dialling with dial tone detection";

Sub-part 2: "ATAAB Advisory Note AN019 for the Czech Republic Network; DTMF signalling: tone and pause duration";

Sub-part 3: "ATAAB Advisory Note AN020 for the Czech Republic Network; Loop current characteristics (seizing the line)".

Applicability

The present document is specifically applicable for Terminal Equipment intended for connection to the Public Switched Telephone Network in the Czech Republic, in addition to TBR 021 [1] and EN 301 437 [2].

1 Scope

The present document gives guidance on the application of TBR 021 [1] and EN 301 437 [2] and is therefore applicable to Terminal Equipment falling within the scope of TBR 021 [1] and EN 301 437 [2].

The present document is specifically applicable for Terminal Equipment intended for connection to the Public Switched Telephone Network in the Czech Republic, in addition to TBR 021 [1] and EN 301 437 [2].

The present document discusses in particular "Automatic dialling with dial tone detection".

2 References

For the purposes of this Technical Report (TR) the following references apply:

- [1] ETSI TBR 021: "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".
- [2] ETSI EN 301 437: "Terminal Equipment (TE); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE supporting the voice telephony service in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signalling".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TBR 021 [1] apply.

3.2 Abbreviations

For the purposes of the present document, the abbreviations defined in TBR 021 [1] apply.

4 Automatic dialling with dial tone detection

4.1 Problem under consideration

- Terminal Equipment approved to CTR 21 or I-CTR 37 may not interwork properly with the NTPs of the Public Switched Telephone Networks in the Czech Republic.
- Due to many different dial tone generator implementations in various telephone exchanges and access equipment in the Czech Republic successful detection of such tones cannot be assured by TE meeting the requirements of CTR 21/I-CTR 37. To dial successfully may require the TE to start dialling even though it does not detect dial tone.

4.2 Proposed solution

It is recommended that TE for automatic dialling intended to be used in the Czech Republic provide the capability for disabling any dial tone detector.

If a TE is intended for automatic dialling with automatic dial tone detection but does not provide the capability to disable this detection, the TE shall be capable, in addition, of meeting the requirements applicable to automatic dialling without dial tone detection, even though the dial tone detector is still enabled. This should be possible either automatically or by user's intervention in accordance with the supplier's instructions. The requirements of TBR 021 [1], clause 4.8.1.1 shall be applied to this type of TE, even though the dial tone detector is not disabled, to ensure that dialling always occurs.

There is no need for additional testing if the TE supports both automatic dialling techniques, i.e. with and without dial tone detection, and the setting of such functions is described in the instructions to the TE.

NOTE: It is the responsibility of the supplier to provide information to users as to whether the Terminal Equipment complies with the additional requirements for the Public Switched Telephone Networks in the Czech Republic as specified in this Advisory Note.

Test: Apply the test of TBR 021 [1], clause 4.8.1.1.

Verdict: If the TE fails in this additional requirement the manufacturer/supplier should warn the users about the TE interworking restrictions.

History

Document history		
V1.1.1	August 2001	Publication