

**Access and Terminals (AT);
Analogue Access to Public Telephone Network;
Advisory Notes to Standards Harmonizing Terminal Interface;
Part 1: List of all Advisory Notes**



Reference

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Keywords

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Foreword

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

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

Part 1: "List of all Advisory Notes";

Part 2: "Generally applicable Advisory Notes";

Sub-part 1: "Modification to sending spectral density requirements";

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)";

Part 4: "DC Characteristics".

At the date of the 1st edition these Advisory Notes refer to the following standards:

- TBR 015 [1];
- TBR 017 [2];
- TBR 021 [3];
- EN 301 437 [5] ("TBR 037");
- TBR 038 [4].

The present document shall not be understood as having relevance for regulatory purposes, neither should it be considered a means of defining requirements out of the scope of the earlier EU Directive 98/13/EEC, i.e. legislation justifying e.g. TBR 021 [3].

The intention of the present document is, as far as possible, to keep the harmonized type of interfaces and facilitate the globalization of the use of such harmonizing standards. To reach this goal, it was found that an increase in the number of requirements, while possibly enhancing the quality of service provided to some users, may rapidly result in an increase of the number of diverging options, decreasing then the advantages of a full harmonization. Additional performances may be specified in separate deliverables.

If the responsibility of the publication of country or network specific information remains on the organization originating it, then the corresponding information is not available in the present series of documents.

Part 1 of the present series of documents gives general guidance and explains general principles and common aspects.

Part 2 of the present series of documents contains generally applicable advisory notes.

Part 3 of the present series of documents contains country or network specific information recognized by TC AT as relevant and in the scope of the earlier EU Directive 98/13/EC.

Part 4 of the present series of documents (see clause 4.4) will contain information resulting from measures currently applicable and decided by CEC.

Applicability

The present document is applicable for Terminal Equipment intended for analogue connection to the Public Telephone Network. By extension it may also be applied to Equipment offering private interfaces based on similar technologies.

1 Scope

The present document:

- gives guidance on the application of the ETSI documents harmonizing terminal analogue interface to be connected to the Public Telephone Network; this includes voice and non-voice terminals for switched and leased lines;
- is therefore applicable to Telecommunications Terminal Equipment intended for Analogue Access to Public Telephone Network.

By extension the present document may also be applied to equipment offering private interfaces based on similar technologies.

The present document is intended to be an overview of all the parts of the TR 103 000 series of documents and should be used together with each single part or sub-part of this series.

2 References

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

- [1] ETSI TBR 015: "Business TeleCommunications (BTC); Ordinary and Special quality voice bandwidth 2-wire analogue leased lines (A2O and A2S); Attachment requirements for terminal equipment interface".
- [2] ETSI TBR 017: "Business TeleCommunications (BTC); Ordinary and Special quality voice bandwidth 4-wire analogue leased lines (A4O and A4S); Attachment requirements for terminal equipment interface".
- [3] 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".
- [4] ETSI TBR 038: "Public Switched Telephone Network (PSTN); Attachment requirements for a terminal equipment incorporating an analogue handset function capable of supporting the justified case service when connected to the analogue interface of the PSTN in Europe".
- [5] 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".
- [6] ETSI EG 201 121: "A guide to the application of TBR 21".

NOTE: The present clause is intended to list all documents referred to in all other documents of the present series. This should facilitate a single central list of most relevant documents in this area, not requiring from every single document the repetition of partial lists. References specific to a single part of the present series of documents may not be included in the present clause.

3 Definition and abbreviations

3.1 Definition

For the purposes of the present document, the following terms and definitions applies:

TBR: Technical Basis for Regulation under the EU Directives 91/263/EEC and 98/13/EEC.

NOTE: In the present document equivalent to deliverables of the series EN 301 4xx when mandated by CEC.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

AN	Advisory Note
ATA	Analogue Terminals and Access
ATAAB	Analogue Type Approval Advisory Board
BTC	Business TeleCommunications
CEC	Commission of the European Community
CEPT	Conférence Européenne des administrations des Postes et des Télécommunications
CH	Switzerland
CTR	Common Technical Regulation
CZ	Czech Republic
DE	Germany
DTMF	Dual Tone Multi Frequency
ES	Spain
EU	European Union
F	France
GR	Greece
NO	Norway
P	Portugal
PSTN	Public Switched Telephone Networks
TBR	Technical Basis for Regulation
TE	Terminal Equipment
TRAC	Technical Regulations Application Committee

4 List of the Advisory Notes

4.1 General information

The present document, part 1 of the present series of documents lists all parts and sub-parts of this series of documents and explains in general their interest and applicability.

4.2 Generally applicable AN

Part 2 of the present series of documents is a sequence of sub-parts each one specifying an AN which was adopted by the experts as being of general interest and applicability.

Table 1 lists all of the ANs considered in this criterion.

Table 1: Generally applicable Advisory Notes, relationship with ATAAB Advisory Notes and assignment of the part number in the series of TR 103 000

Part-Sub-part	ATAAB designation	Network or Country	Related TBR or EN 301 4xx	Subject, contents, remarks
1		General		List of the Advisory Notes, the present document
(*)	AN 003R00	General	21	Variation of signals supplied by the PSTN.
(*)	AN 004R00	General	21	DTMF dialling and CEPT recommendations.
(*)	AN 013R01	General	21	Test methods of TBR 21 to voice stimulated TE.
(*)	AN 014R00	General	21	Reduction of the range of line currents.
(*)	AN 015R00	General	21	Alternative connection methods.
(*)	AN 016R00	General	21, 37	Test for compliance for resistance to earth.
(*)	AN 017R00	General	15, 17	Test impedance for compliance above 4,3 kHz.
2-1		General	21, 37	Sending levels according to V92.

Text copied from former TRAC, ATAAB server (contents now archived by ETSI at: http://portal.etsi.org/at/TRAC/TRAC_Advisory_Notes.asp):

NOTE 1: AN 08 was allocated to DE 03. The proposal suggested that the signal level restrictions in the on-line state should also apply in the off-line state. General support was received from the members of ATAAB for DE 03 and therefore the production of a general AN was suggested. However, it would have introduced a further requirement, which the members of ETSI had not had the opportunity to consider. It was therefore proposed that this would be a national requirement and consideration should be given to including such a requirement in any subsequent revision of TBR 21.
A draft will be produced introducing a voluntary requirement, it will then be left to ETSI ATA to discuss whether a mandatory requirement is introduced in a later update of CTR 21. This then retains the voluntary spirit of Advisory Notes, but gives a clear indication of the need for some restrictions.

NOTE 2: All the AN identified with (*) are published in EG 201 121 V1.1.3 [6] and will be published in the present series of documents as soon as they need a revision.

4.3 Network or Country specific AN

Part 3 of the present series of documents is a sequence of sub-parts each one specifying an AN which was adopted by the experts as being of general interest but applicable only to the networks identified.

Table 2 lists all of the ANs considered in this criterion.

Table 2: Network or Country specific Advisory Notes, relationship with ATAAB Advisory Notes and assignment of the part number in the series of TR 103 000

Part-Sub-part	ATAAB designation	Network or Country	Related TBR or EN 301 4xx	Subject, contents, remarks
(*)	AN 001R00	P	21	5 s waiting before automatic dialling (limit reduction from 8 s to 5 s).
(*)	AN 002R01	CH/NO	21	24 Vrms ringing detection (limit reduction from 30 V to 24 V).
(*)	AN 005R01	DE/GR/P/ES/NO	21	Automatic line clearing conditions.
(*)	AN 006R00	DE/GR/P	21	Additional test voltage (150 V) for resistance to Earth.
(*)	AN 007R01	DE/P/ES/NO	21	Control requirements (release line if no correct operation) in the case of external power failure.
(*)	AN 009R00	DE	21	Instantaneous voltage tested over a wider frequency range.
(*)	AN 010R00	DE	21	Sending levels according to TBR 15.
(*)	AN 011R00	P	21	2 min answering for automatic devices.
(*)	AN 012R00	ES	21	Immunity to polarity reversals.
3-1	AN 018R00	CZ	21, 37	Automatic dialling with dial tone detection.
3-2	AN 019R00	CZ	21, 37	DTMF signalling: tone and pause duration. Withdrawn 8 of April 2003.
3-3	AN 020R00	CZ	21, 37	loop current characteristics (seizing the line). Withdrawn 8 of April 2003.
NOTE:	All the AN identified with (*) are published in EG 201 121 V1.1.3 [6] and will be published in the present series of documents as soon as they need a revision.			

4.4 Information arising from CEC decisions

Part 4 of the present series of documents is a sequence of sub-parts each one specifying an AN which was adopted by the experts as being of general interest and applicability, resulting from measures currently applicable and decided by CEC.

Table 3 lists all of the ANs considered in this criterion.

Table 3: Advisory Notes, information arising from CEC decisions, relationship with ATAAB Advisory Notes and assignment of the part number in the series of TR 103 000

Part-Sub-part	ATAAB designation	Network or Country	Related TBR or EN 301 4xx	Subject, contents, remarks
4-1		F	21, 37	DC characteristics

Annex A: Bibliography

Directive 98/13/EC of the European Parliament and of the Council of 12 February 1998 relating to telecommunications terminal equipment and satellite earth station equipment, including the mutual recognition of their conformity.

Council Directive 91/263/EEC of 29 April 1991 on the approximation of the laws of the Member States concerning telecommunications terminal equipment, including the mutual recognition of their conformity.

TRAC: TRAC [Advisory Notes](#) now archived by ETSI at http://portal.etsi.org/at/TRAC/TRAC_Advisory_Notes.asp

ETSI TC AT: www.etsi.org/at

History

Document history		
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