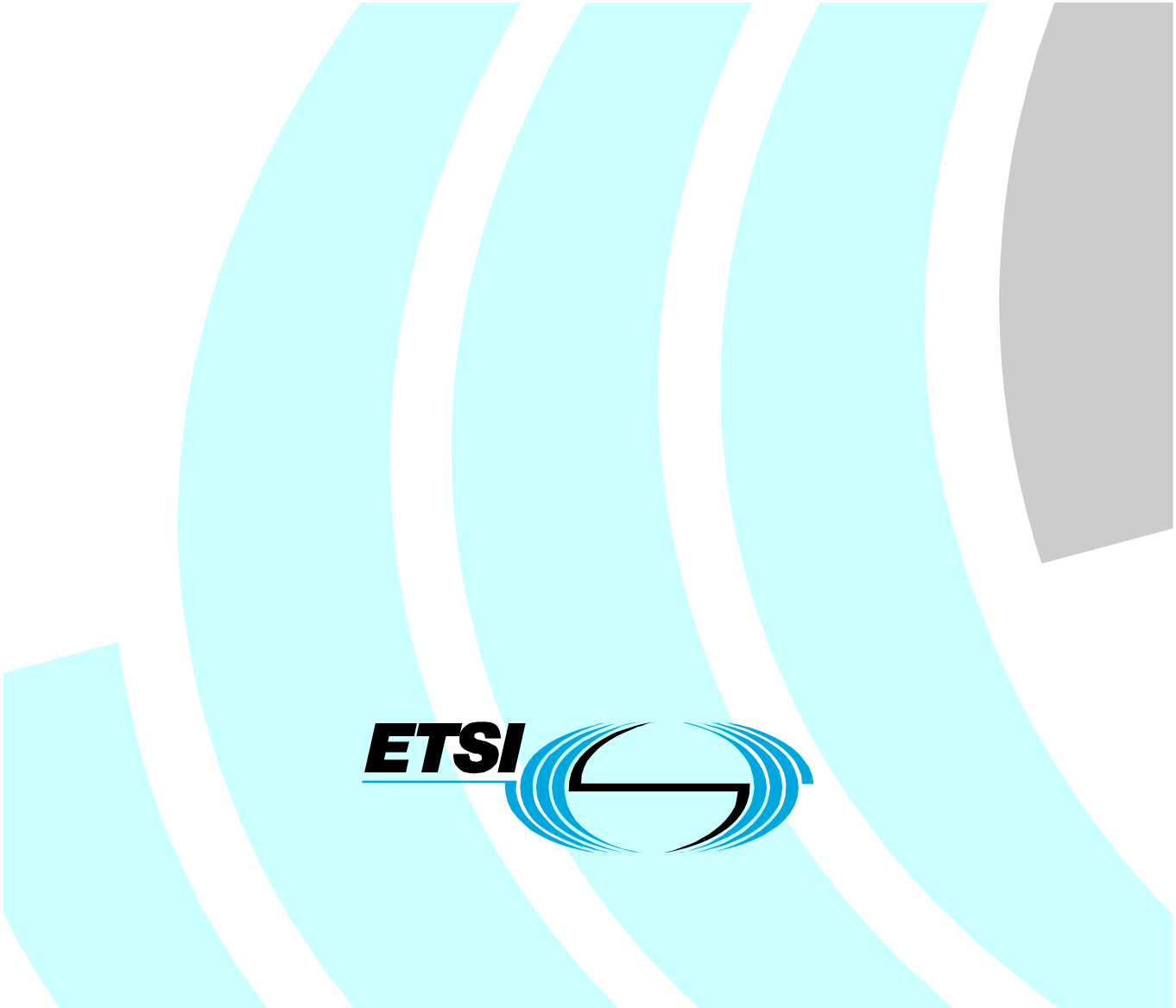
ETSI TS 101 388 V1.4.1 (2007-08)

Technical Specification

**Access Terminals Transmission and Multiplexing (ATTM);
Access transmission systems on metallic access cables;
Asymmetric Digital Subscriber Line (ADSL) -
European specific requirements
[ITU-T Recommendation G.992.1 modified]**



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ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Contents

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Access Terminals Transmission and Multiplexing (ATTM).

The present document, in conjunction with ITU-T Recommendation G.992.1 [2] provides the European specifications for ADSL.

1 Scope

The present document specifies European requirements for ADSL.

The definition of new line codes and/or transmission systems is outside the scope of the present document.

The present document endorses ITU-T Recommendation G.992.1 [2], the contents of which apply together with the addition of the modifications being covered herein. In particular the aspects covered by the present document are related to:

1) Methods to allow the simultaneous delivery of ADSL and ISDN-BA services [1] on the single pair. For example the techniques and redefinition of the ADSL signals/parameters as defined in ITU-T Recommendation G.992.1 [2] to allow ISDN-BA base band signals to occupy frequencies below ADSL (from here onwards referred as out-of-band transport).

2) Performance Objectives and Test methods for ADSL over POTS/ISDN-BA.

3) TS 102 080 [1] backward compatibility.

4) Power feeding for the transported ISDN-BA.

5) Latency.

6) ISDN-BA splitter characteristics.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
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[1] ETSI TS 102 080 (V1.4.1): "Transmission and Multiplexing (TM); Integrated Services Digital Network (ISDN) basic rate access; Digital transmission system on metallic local lines".

[2] ITU-T Recommendation G.992.1 (1999): "Asymmetrical digital subscriber line (ADSL) transceivers".

[3] ETSI TS 101 388 (V1.1.1): "Transmission and Multiplexing (TM); Access transmission systems on metallic access cables; Asymetric Digital Subscriber Line (ADSL) - Coexistence of ADSL and ISDN-BA on the same pair [ANSI T1.413 - 1998, modified]".

[4] ITU-T Recommendation G.996.1 (2001): "Test procedures for digital subscriber line (DSL) transceivers".

[5] ANSI T1.413: "Network to Customer Installation Interfaces - Asymmetric Digital Subscriber Line (ADSL) Metallic Interface".

[6] ETSI TS 101 952-1-1: "Access network xDSL transmission filters; Part 1: ADSL splitters for European deployment; Sub-part 1: Generic specification of the low pass part of DSL over POTS splitters including dedicated annexes for specific xDSL variants".