

ETSI TS 102 337 V1.1.1 (2004-05)

Technical Specification

**Access and Terminals (AT);
Short Message Service (SMS) for PSTN/ISDN;
Short Message Communication between a fixed network
Short Message Terminal Equipment and a Short Message
Service Centre: Overview of SMS for the User Based Solution**



Reference

DTS/AT-030026

Keywords

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Foreword

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

Introduction

Two UBS protocols (UBS1 and UBS2) are available and described in ES 201 912 [3].

Each protocol has its advantages; the service provider can choose which protocol to implement:

- Protocol 1 has the advantage of being fully compliant with the GSM SMS service.
- Protocol 2 has the advantage that it is specifically focused on the residential fixed network environment.

1 Scope

The present document gives an overview of the set of documents being relevant for the support of the Fixed Network Short Message Service in PSTN and ISDN using the so called "User Based Solution".

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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Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

- [1] Void.
- [2] ETSI ES 201 986: "Services and Protocols for Advanced Networks (SPAN); Short Message Service (SMS) for PSTN/ISDN; Service description".
- [3] ETSI ES 201 912: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Short Message Communication between a fixed network Short Message Terminal Equipment and a Short Message Service Centre".
- [4] ETSI ES 202 912-1: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 1: Protocol Implementation Conformance Statement (PICS) proforma specification user side for Data Link Layer (DLL) Protocol 1".
- [5] ETSI ES 202 912-2: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 2: Test Suite Structure and Test Purposes (TSS&TP) user side for Data Link Layer (DLL) Protocol 1".
- [6] ETSI ES 202 912-3: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 3: Abstract Test Suite (ATS) user side for Data Link Layer (DLL) Protocol 1".
- [7] ETSI ES 202 912-4: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 4: Protocol Implementation Conformance Statement (PICS) proforma specification user side for Data Link Layer Protocol 2".
- [8] ETSI ES 202 912-5: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 5: Test Suite Structure and Test Purposes (TSS&TP) user side for Data Link Layer (DLL) Protocol 2".
- [9] ETSI ES 202 912-6: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 6: Abstract Test Suite (ATS) user side for Data Link Layer (DLL) Protocol 2".
- [10] ETSI ES 202 912-7: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 7: Test Suite Structure and Test Purposes (TSS&TP) user side for functional tests Protocol 1".
- [11] ETSI ES 202 912-8: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 8: Abstract Test Suite (ATS) user side for functional tests Protocol 1".

- [12] ETSI ES 202 912-9: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 9: Test Suite Structure and Test Purposes (TSS&TP) user side for functional tests Protocol 2".
- [13] ETSI ES 202 912-10: "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Test Suites for SMS User Based Solution; Part 10: Abstract Test Suite (ATS) user side for functional tests Protocol 2".
- [14] ETSI TS 103 912 : "Access and Terminals (AT); Short Message Service (SMS) for PSTN/ISDN; Short Message Communication between a fixed network Short Message Terminal Equipment and a Short Message Service Centre (Corrections to ES 201 912 V1.1.1)".

3 Abbreviations

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

GSM	Global System for Mobile Communication
ISDN	Integrated Services Digital Network
NBS	Network Based Solution
PSTN	Public Switched Telephone Network
SMS	Short Message Service
UBS	User Based Solution
UBS1	User Based Solution, protocol 1
UBS2	User Based Solution, protocol 2

4 Overview of the multi-part technical specification

The following two clauses contain the respective documents which are relevant for an implementation of the Short Message Service (SMS) in a fixed network, either using Protocol 1 or Protocol 2 of the User Based Solution (UBS).

4.1 Using Protocol 1

To implement the Short Message Service (SMS) in a fixed network, using Protocol 1 of the User Based Solution (UBS), the following documents apply:

- ETSI ES 201 986 [2].
- ETSI ES 201 912 [3].
- ETSI ES 202 912-1 [4].
- ETSI ES 202 912-2 [5].
- ETSI ES 202 912-3 [6].
- ETSI ES 202 912-7 [10].
- ETSI ES 202 912-8 [11].
- ETSI TS 103 912 [14].

4.2 Using Protocol 2

To implement the Short Message Service (SMS) in a fixed network, using Protocol 2 of the User Based Solution (UBS), the following documents apply:

- ETSI ES 201 986 [2].
- ETSI ES 201 912 [3].
- ETSI ES 202 912-4 [7].
- ETSI ES 202 912-5 [8].
- ETSI ES 202 912-6 [9].
- ETSI ES 202 912-9 [12].
- ETSI ES 202 912-10 [13].
- ETSI TS 103 912 [14].

History

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