



SLOVENSKI STANDARD
SIST EN 300 236 V1.2.2:2003
01-december-2003

**Terminalska oprema (TE) – Na skladnji temelječi protokol sistema Videotex –
Preskušanje skladnosti terminalov**

Terminal Equipment (TE); Syntax-based videotex protocol; Terminal conformance testing

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ICS:

| | | |
|-----------|---|---|
| 33.160.99 | Druga avdio, video in avdiovizuelna oprema | Other audio, video and audiovisual equipment |
| 35.180 | Terminalska in druga periferna oprema IT | IT Terminal and other peripheral equipment |

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European Standard (Telecommunications series)

**Terminal Equipment (TE);
Syntax-based videotex protocol;
Terminal conformance testing**

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ETSI Secretariat

Postal address

F-06921 Sophia Antipolis Cedex - FRANCE

Office address

650 Route des Lucioles - Sophia Antipolis
Valbonne - FRANCE

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

Siret N° 348 623 562 00017 - NAF 742 C

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secretariat@etsi.fr

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Foreword

This European Standard (Telecommunications series) was produced by ETSI Technical Committee Terminal Equipment (TE) as an Interim European Telecommunication Standard (I-ETS 300 236 Edition 1). At its final meeting TC-TE decided that the I-ETS should be converted to full standard status. Although responsibility formally lies with ETSI Project Multimedia Terminals and Applications (MTA), the present text has been prepared by the ETSI Secretariat based on the published I-ETS with only minor editorial corrections.

| National transposition dates | |
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| Date of adoption of this EN: | 5 December 1997 |
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1 Scope

The Abstract Test Suite (ATS) defined by the present document complies with the international standards on conformance testing (ISO 9646-1 [4], ISO 9646-2 [5], ISO 9646-3 [6] and ISO 9646-5 [7]). Results of the joint EWOS/ETSI Project Team No.5 on Open Systems Interconnection (OSI) conformance testing in Europe are also taken into account.

NOTE 1: As defined by ISO 9646, in case of any discrepancy between a base standard and a test suite, the base standard takes precedence above the test suite.

The ATS defined by the present document is applicable to Videotex terminals which make use of the Syntax-based Videotex (SBV) protocol as defined by ETS 300 223 [2] or ETS 300 079 [3].

NOTE 2: The present document does not apply in totality to ETS 300 079 [3] based terminals. As a matter of fact, some services are tested in the present document, which are only defined in ETS 300 223 [2], and not in ETS 300 079 [3]. These services are: SBV_Reset_TC, SBV_End_Immediate, SBV_Remote_Echo. When applying the present document to ETS 300 079 [3] based terminals, the test cases in question should be de-selected.

NOTE 3: At the time of producing the present document, ETS 300 079 [3] contains both the SBV protocol definition and the use of that protocol over an Integrated Services Digital Network (ISDN) DTE/DTE connection. In case of an ETS 300 079 [3] based terminal, tests for layers other than layer 7 are out side the scope of this ETS.

The chosen test method for this ATS ensures that all SBV terminals can be tested without any additional requirement other than those resulting from the protocol standard itself.

NOTE 4: The scope of testing is currently restricted to protocol testing where protocol is understood in the way described in ISO 7498 [16]. Extension of the scope might require other test methods. (See also subclause 5.1 and annex K (informative)).

Test cases are fully specified for those situations in which an SBV terminal acts as a Terminal Function (TF) (see subclause 6.2 of ETS 300 223 [2] or ETS 300 079 [3]).

NOTE 5: This situation, in which the SBV terminal acts as a Terminal Function, covers the following cases: when the communication is established by the terminal itself (without having the reverse_role_assignment parameter present in the Establish PDU), or when the terminal is called by an SBV service or another SBV terminal with this parameter present.

For those situations in which an SBV terminal behaves like an Access Function (AF) (see subclause 6.2 of ETS 300 223 [2] or ETS 300 079 [3]), only the test purposes are given by the present document.

NOTE 6: This situation occurs when a called SBV terminal accepts an incoming Establish request, on which the reverse_role_assignment parameter is not present. This is generally used in case of terminal-to-terminal communication.

NOTE 7: The present document provides only for an empty place-holder for a test case selection table. Completion of this table is left open for the possible transition of the present document to an ETS. As a consequence, and for an interim period, de-selection of those test cases related to optional elements of the base standard needs to be done by other means. It should not be understood that all the test cases are applicable in all cases; a de-selection process is implied.

2 Normative references

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or

- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

- [1] ETS 300 222: "Terminal Equipment (TE); Framework of Videotex terminal protocols".
- [2] ETS 300 223: "Terminal Equipment (TE); Syntax-based Videotex, Common end-to-end protocols".
- [3] ETS 300 079: "Integrated Services Digital Network (ISDN); Syntax-based Videotex, End-to-end protocols, circuit mode DTE - DTE".
- [4] ISO 9646-1: "OSI Conformance Testing Methodology and Framework, Part 1: General Concepts".
- [5] ISO 9646-2: "OSI Conformance Testing Methodology and Framework, Part 2: Abstract Test Suite Specification".
- [6] ISO 9646-3: "OSI Conformance Testing Methodology and Framework, Part 3: Tree and Tabular Combined Notation (TTCN)".
- [7] ISO 9646-5: "OSI Conformance Testing Methodology and Framework, Part 5: Requirements on Test Laboratories and Clients for the Conformance Assessment Process".
- [8] CCITT Recommendation X.3 (1992): "Packet assembly disassembly facility (PAD) in a public data network".
- [9] CCITT Recommendation X.29 (1992): "Procedures for the exchange of control information and user data between a packet assembly/disassembly (PAD) facility and a packet mode DTE or another PAD".
- [10] Reserved: <https://standards.iteh.ai/catalog/standards/sist/65c2ff5e-4545-41ff-8316-d156decb4471/sist-en-300-236-v1-2-2-2003>
- [11] Reserved.
- [12] Reserved.
- [13] ETS 300 075: "Terminal Equipment (TE); Videotex processable data".
- [14] ETS 300 076: "Terminal Equipment (TE); Videotex, Terminal Facility Identifier (TFI)".
- [15] ETS 300 102-1 (1990): "Integrated Services Digital Network (ISDN); User-network interface layer 3, Specifications for basic call control".
- [16] ISO 7498: "Information processing systems - Open Systems Interconnection - Basic Reference Model".
- [17] ISO/IEC 8208 (1990): "Information technology - Data communications - X.25 Packet Level Protocol for Data Terminal Equipment".
- [18] ISO/TR 8509: "Information processing systems - Open Systems Interconnection - Service conventions".

3 Definitions

For the purposes of the present document, the following definitions apply.

abstract test suite: See ISO 9646-1 [4].

access function: See ETS 300 223 [2] or ETS 300 079 [3].

application layer: See OSI Reference Model, ISO 7498 [16].

basic coding structure: See ETS 300 223 [2] or ETS 300 079 [3].

bearer independent service access point: See ETS 300 223 [2].

called BIS user: See ETS 300 223 [2].

calling BIS user: See ETS 300 223 [2].

confirmation: See Service Conventions Standard, ISO/TR 8509 [18].

dialogue data unit: See ETS 300 075 [13].

executable test suite: See ISO 9646-1 [4].

extended coding structure: See ETS 300 223 [2] or ETS 300 079 [3], respectively.

in-band: See ETS 300 223 [2].

indication: See Service Conventions Standard, ISO/TR 8509 [18].

implementation under test: See ISO 9646-1 [4].

logical channel: See ETS 300 223 [2] or ETS 300 079 [3].

lower tester: See ISO 9646-1 [4].

network connection: See OSI Reference Model, ISO 7498 [16].

network layer: See OSI Reference Model, ISO 7498 [16].

network service: See OSI Reference Model, ISO 7498 [16].

out-band: See ETS 300 223 [2].

point of control and observation: See ISO 9646-1 [4].

protocol implementation conformance statement: See ISO 9646-1 [4].

protocol implementation extra information for testing: See ISO 9646-1 [4].

primitive: See Service Conventions Standard, ISO/TR 8509 [18].

request: See Service Conventions Standard, ISO/TR 8509 [18].

response: See Service Conventions Standard, ISO/TR 8509 [18].

system under test: See ISO 9646-1 [4].

telematic command: See ETS 300 223 [2] or ETS 300 079 [3].

terminal function: See ETS 300 223 [2] or ETS 300 079 [3].

tree and tabular combined notation: See ISO 9646-3 [6].