



# SLOVENSKI STANDARD

## SIST I-ETS 300 236 E1:2003

01-december-2003

---

### Terminalska oprema (TE) – Skladenjski protokol za Videotex – Preskušanje skladnosti terminalov

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

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

Ta slovenski standard je istoveten z: **SIST I-ETS 300 236 E1:2003** **I-ETS 300 236 Edition 1**  
<https://standards.iteh.ai/catalog/standards/sist/b5500c09-1252-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003>

---

#### **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

**SIST I-ETS 300 236 E1:2003**

**en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST I-ETS 300 236 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003>



**I**  
**E**  
**T**  
**S**  
INTERIM  
EUROPEAN  
TELECOMMUNICATION  
STANDARD

**I-ETS 300 236**

May 1993

Source: ETSI TC-TE

Reference: DI/TE-01011

ICS: 33.020

**Key words:** Videotex

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**  
**Terminal Equipment (TE);**  
**Syntax-based Videotex protocol**  
**Terminal conformance testing**

SIST I-ETS 300 236 E1:2003  
<https://standards.iteh.ai/catalog/standards/sist-i-ets-300-236-e1-2003/69c3fbcffe1b/sist-i-ets-300-236-e1-2003>

**ETSI**

European Telecommunications Standards Institute

**ETSI Secretariat**

**Postal address:** F-06921 Sophia Antipolis CEDEX - FRANCE

**Office address:** 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

**X.400:** c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

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

**Copyright Notification:** No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1993. All rights reserved.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST I-ETS 300 236 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003)  
<https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003>

## Contents

Foreword .....	11
1 Scope .....	13
2 Normative references .....	14
3 Definitions .....	15
4 Abbreviations .....	16
5 Test suite overview .....	17
5.1 Test suite structure .....	17
5.2 Test purposes .....	19
5.3 Method of conformance testing .....	19
5.3.1 SBV Protocol Data Unit (PDU) .....	19
5.3.2 Use of Bearer Independent Service (BIS) .....	20
6 Declarations .....	21
6.1 Test Suite Parameters Declaration .....	21
6.2 Test Case De-Selection .....	25
6.3 Test Case Variables Declaration .....	25
6.4 Test Suite Constants Declaration .....	25
6.5 Test Suite Variables Declaration .....	25
6.6 Point Control and Observations (PCOs) declaration .....	26
6.7 PDUs declaration .....	26
6.7.1 PDU Type declaration .....	27
6.7.2 Structured Type Declaration .....	43
6.8 ASPs Declaration .....	46
6.9 Alias Declaration .....	51
6.10 Timers Declaration .....	53
6.11 User Type Definitions .....	54
6.12 User Operator Definitions .....	54
7 Constraint Declarations .....	55
7.1 Constraints declaration .....	55
7.1.1 ASP Constraints declaration .....	55
7.1.2 PDU Constraints Declaration .....	60
7.1.3 Structured Type Constraints declaration .....	185
8 Common Test Step Library .....	203
8.1 Preambles .....	203
8.2 Postambles .....	204
8.3 Other Test Steps .....	206
9 Test Case Library .....	208
9.1 Terminal Functions (TF) .....	208
9.1.1 TF/Basic Interconnect Tests (BIT) .....	208
9.1.2 TF/Capability Tests (CA) .....	208
9.1.3 TF/Valid Behaviour Tests (BV) .....	208
9.1.3.1 TF/BV - State Event Transitions (SE) .....	208
9.1.3.1.1 SBV/TF/BV/SE - Kernel (KE) .....	209
9.1.3.1.2 SBV/TF/BV/SE Comm. Channel Management (CCM) .....	217
9.1.3.1.3 SBV/TF/BV/SE Application Services (AS) .....	223

	9.1.3.1.4	SBV/TF/BV/SE Transparent Processable Data (TPD) .....	225
	9.1.3.1.5	SBV/TF/BV/SE Define Function Keys (DFK).....	229
	9.1.3.1.6	SBV/TF/BV/SE Remote Echo (RE)....	229
	9.1.3.1.7	SBV/TF/BV/SE Escape (ESC) .....	230
9.1.3.2		TF/BV - Parameter Variations (PV).....	231
	9.1.3.2.1	TF/BV/PV Kernel (KE).....	231
	9.1.3.2.2	TF/BV/PV Communication Channel Management (CCM).....	245
	9.1.3.2.3	TF/BV/PV Application Selections (AS)	260
	9.1.3.2.4	TF/BV/PV Transparent Processable Data (TPD) .....	263
	9.1.3.2.5	TF/BV/PV Define Function Keys (DFK).....	266
	9.1.3.2.6	TF/BV/PV Remote Echo (RE).....	267
	9.1.3.2.7	TF/BV/PV Escape (ESC) .....	268
9.1.3.3		TF/BV - Encoding Variations (EV) .....	270
9.1.3.4		TF/BV - Parameter Combinations (PC) .....	270
	9.1.3.4.1	TF/BV/PC Kernel (KE) .....	270
	9.1.3.4.2	TF/BV/PC Communication Channel Management (CCM).....	277
	9.1.3.4.3	TF/BV/PC Application Selections (AS)	284
	9.1.3.4.4	TF/BV/PC Transparent Processable Data (TPD) .....	285
	9.1.3.4.5	TF/BV/PC Define Function Keys (DFK).....	287
	9.1.3.4.6	TF/BV/PC Escape (ESC) .....	288
9.1.4		TF Inopportune Behaviour (BI).....	289
9.1.4.1		TF/BI - Test Event variation (TE) .....	289
	9.1.4.1.1	TF/BI/TE - Unsupported services.....	289
	9.1.4.1.2	TF/BI/TE - Other inopportune events.	292
9.1.4.2		TF/BI - Timing/Timer variation .....	293
9.1.4.3		TF/BI - Parameter Value Variation (PV).....	295
	9.1.4.3.1	TF/BI/PV - Establishment service .....	295
	9.1.4.3.2	TF/BI/PV - X.3 related services.....	296
	9.1.4.3.3	TF/BI/PV - Telematic Commands .....	297
9.1.4.4		TF/BI - Parameter Combination (PC) .....	301
	9.1.4.4.1	TF/BI/PC - X.3 related services.....	301
	9.1.4.4.2	TF/BI/PC - Telematic Commands .....	301
9.1.5		TF - Invalid Behaviour (BO).....	302
9.1.5.1		TF/BO - Parameter Value Variation (PV).....	302
	9.1.5.1.1	TF/BO/PV - X.3 related services .....	302
	9.1.5.1.2	TF/BO/PV - Telematic Commands ....	302
9.1.5.2		TF/BO - Encoding Variations (EV) .....	308
	9.1.5.2.1	TF/BO/EV - X.3 related services .....	308
	9.1.5.2.2	TF/BO/EV - Telematic Commands ....	308
Annex A (normative):		SBV PICS Proforma .....	310
A.1		Classification.....	310
A.2		PICS Proforma, identification of the implementation .....	311
A.2.1		Guidance for completion .....	311
A.2.2		Date.....	311
A.2.3		Supplier details.....	311
A.2.4		Implementation details .....	311
A.2.5		Claimed compliance to standards.....	311
A.3		PICS Proforma, capabilities and options .....	312
A.3.1		Initiator/Responder capability .....	312
A.3.2		Network Capabilities.....	313
A.3.3		SBV Services .....	313

A.3.4	SBV to BIS association options .....	313
A.3.5	PDU's.....	314
A.3.5.1	AF PDU's .....	314
A.3.5.1.1	AF PDU's/SBV_Establish .....	314
A.3.5.1.2	AF PDU's/SBV_Release .....	314
A.3.5.1.3	AF PDU's/SBV_Reset .....	314
A.3.5.1.4	AF PDU's/SBV_VTX_Data .....	314
A.3.5.1.5	AF PDU's/SBV_Set_Param .....	315
A.3.5.1.6	AF PDU's/SBV_Read_Param .....	315
A.3.5.1.7	AF PDU's/SBV_Set_Read_Param .....	315
A.3.5.1.8	AF PDU's/SBV_Param_Indication .....	315
A.3.5.1.9	AF PDU's/SBV_TFI .....	315
A.3.5.1.10	AF PDU's/SBV_TC_Error.....	315
A.3.5.1.11	AF PDU's/SBV_Channel_Open .....	316
A.3.5.1.12	AF PDU's/SBV_Channel_Close.....	316
A.3.5.1.13	AF PDU's/SBV_Channel_Error .....	316
A.3.5.1.14	AF PDU's/SBV_Begin_Application.....	316
A.3.5.1.15	AF PDU's/SBV_End_Application.....	316
A.3.5.1.16	AF PDU's/SBV_End_Immediate .....	316
A.3.5.1.17	AF PDU's/SBV_TPD_Begin .....	317
A.3.5.1.18	AF PDU's/SBV_TPD_End .....	317
A.3.5.1.19	AF PDU's/SBV_DFK .....	317
A.3.5.1.20	AF PDU's/SBV_Remote_Echo.....	317
A.3.5.1.21	AF PDU's/SBV_Escape.....	317
A.3.5.2	TF PDU's.....	318
A.3.5.2.1	TF PDU's/SBV_Establish .....	318
A.3.5.2.2	TF PDU's/SBV_Release .....	318
A.3.5.2.3	TF PDU's/SBV_Reset .....	318
A.3.5.2.4	TF PDU's/SBV_VTX_Data .....	318
A.3.5.2.5	TF PDU's/SBV_Set_Param.....	318
A.3.5.2.6	TF PDU's/SBV_Read_Param .....	319
A.3.5.2.7	TF PDU's/SBV_Set_Read_Param.....	319
A.3.5.2.8	TF PDU's/SBV_Param_Indication.....	319
A.3.5.2.9	TF PDU's/SBV_TFI .....	319
A.3.5.2.10	TF PDU's/SBV_TC_Error .....	319
A.3.5.2.11	TF PDU's/SBV_Channel_Open .....	319
A.3.5.2.12	TF PDU's/SBV_Channel_Close .....	320
A.3.5.2.13	TF PDU's/SBV_Channel_Error .....	320
A.3.5.2.14	TF PDU's/SBV_Begin_Application .....	320
A.3.5.2.15	TF PDU's/SBV_End_Application.....	320
A.3.5.2.16	TF PDU's/SBV_End_Immediate .....	320
A.3.5.2.17	TF PDU's/SBV_TPD_Begin .....	320
A.3.5.2.18	TF PDU's/SBV_TPD_End .....	321
A.3.5.2.19	TF PDU's/SBV_DFK .....	321
A.3.5.2.20	TF PDU's/SBV_Remote_Echo.....	321
A.3.5.2.21	TF PDU's/SBV_Escape.....	321
A.3.6	Parameters .....	321
A.3.6.1	AF Parameters .....	322
A.3.6.1.1	AF Parameters/SBV_Establish Request .....	322
A.3.6.1.2	AF Parameters/SBV_Establish Response .....	322
A.3.6.1.3	AF Parameters/SBV_Release Request.....	323
A.3.6.1.4	AF Parameters/SBV_Reset Request .....	323
A.3.6.1.5	AF Parameters/SBV_Reset Response.....	323
A.3.6.1.6	AF Parameters/SBV_VTX_Data Request .....	323
A.3.6.1.7	AF Parameters/SBV_Set_Param Request.....	324
A.3.6.1.8	AF Parameters/SBV_Read_Param Request.....	324
A.3.6.1.9	AF Parameters/SBV_Set_Read_Param Request .....	324
A.3.6.1.10	AF Parameters/SBV_Param_Ind Request .....	324
A.3.6.1.11	AF Parameters/SBV_TFI Request .....	324
A.3.6.1.12	AF Parameters/SBV_TFI Response.....	324
A.3.6.1.13	AF Parameters/SBV_TC_Error Request.....	325
A.3.6.1.14	AF Parameters/SBV_Channel_Open Request.....	325
A.3.6.1.15	AF Parameters/SBV_Channel_Open Response.....	325

	A.3.6.1.16	AF Parameters/SBV_Channel_Close Request.....	326
	A.3.6.1.17	AF Parameters/SBV_Channel_Close Response.....	326
	A.3.6.1.18	AF Parameters/SBV_Channel_Error Request.....	326
	A.3.6.1.19	AF Parameters/SBV_Begin_Application Request .....	326
	A.3.6.1.20	AF Parameters/SBV_Begin_Application Response.....	326
	A.3.6.1.21	AF Parameters/SBV_End_Application Request .....	327
	A.3.6.1.22	AF Parameters/SBV_End_Immediate Request.....	327
	A.3.6.1.23	AF Parameters/SBV_TPD_Begin Request.....	327
	A.3.6.1.24	AF Parameters/SBV_TPD_Begin Response .....	327
	A.3.6.1.25	AF Parameters/SBV_TPD_End Request.....	327
	A.3.6.1.26	AF Parameters/SBV_DFK Request.....	327
	A.3.6.1.27	AF Parameters/SBV_Remote_Echo Request .....	327
	A.3.6.1.28	AF Parameters/SBV_Escape Request .....	328
A.3.6.2	TF Parameters.....		328
	A.3.6.2.1	TF Parameters/SBV_Establish Request.....	328
	A.3.6.2.2	TF Parameters/SBV_Establish Response .....	329
	A.3.6.2.3	TF Parameters/SBV_Release Request .....	329
	A.3.6.2.4	TF Parameters/SBV_Reset Request.....	329
	A.3.6.2.5	TF Parameters/SBV_Reset Response .....	329
	A.3.6.2.6	TF Parameters/SBV_VTX_Data Request.....	330
	A.3.6.2.7	TF Parameters/SBV_Set_Param Request .....	330
	A.3.6.2.8	TF Parameters/SBV_Read_Param Request .....	330
	A.3.6.2.9	TF Parameters/SBV_Set_Read_Param Request.....	330
	A.3.6.2.10	TF Parameters/SBV_Param_Ind Request.....	330
	A.3.6.2.11	TF Parameters/SBV_TFI Request.....	331
	A.3.6.2.12	TF Parameters/SBV_TFI Response .....	331
	A.3.6.2.13	TF Parameters/SBV_TC_Error Request .....	331
	A.3.6.2.14	TF Parameters/SBV_Channel_Open Request .....	332
	A.3.6.2.15	TF Parameters/SBV_Channel_Open Response .....	332
	A.3.6.2.16	TF Parameters/SBV_Channel_Close Request.....	332
	A.3.6.2.17	TF Parameters/SBV_Channel_Close Response.....	332
	A.3.6.2.18	TF Parameters/SBV_Channel_Error Request.....	333
	A.3.6.2.19	TF Parameters/SBV_Begin_Application Request.....	333
	A.3.6.2.20	TF Parameters/SBV_Begin_Application Response.....	333
	A.3.6.2.21	TF Parameters/SBV_End_Application Request .....	333
	A.3.6.2.22	TF Parameters/SBV_End_Immediate Request.....	333
	A.3.6.2.23	TF Parameters/SBV_TPD_Begin Request .....	333
	A.3.6.2.24	TF Parameters/SBV_TPD_Begin Response .....	333
	A.3.6.2.25	TF Parameters/SBV_TPD_End Request.....	334
	A.3.6.2.26	TF Parameters/SBV_DFK Request .....	334
	A.3.6.2.27	AF Parameters/SBV_Remote_Echo Request .....	334
	A.3.6.2.28	TF Parameters/SBV_Escape Request .....	334
A.3.6.3	X.3 Parameters.....		334
	A.3.6.3.1	X.3 Parameters/send .....	335
	A.3.6.3.2	X.3 Parameters/receive .....	335
Annex B (normative):	SBV PICS conditional expressions .....		336
Annex C (normative):	SBV PICS optional types .....		337
Annex D (normative):	SBV PIXIT proforma .....		338
D.1	Identification Summary .....		338
D.2	Abstract Test Suite Summary .....		338
D.3	Test Laboratory.....		338
D.4	Client.....		338
D.5	SUT.....		339
D.6	Ancillary protocols.....		339



D.7	Protocol Layer Information for SBV Protocol.....	339
D.7.1	Protocol Identification.....	339
D.7.1.1	IUT Information .....	340
D.7.1.2	Addresses .....	340
D.7.1.2.1	PDU Parameter Values .....	341
D.7.1.2.2	Parameter values accepted by the IUT .....	341
D.7.1.2.2.1	Specific parameters for an IUT acting as an Access Function.....	341
D.7.1.2.2.3	Parameter values expected from the IUT .....	344
D.7.1.2.4	Timer values .....	347
D.7.1.2.5	Procedural Information .....	347
D.7.1.2.5.1	Triggering IUT actions .....	348
D.7.1.2.5.2	Observing IUT Events.....	349
Annex E (informative):	SBV Test Purposes .....	351
E.1	Terminal Functions (TF).....	351
E.1.1	TF/Basic Interconnect Tests (BIC) .....	351
E.1.2	TF/Capability Tests (CA).....	351
E.1.3	TF/Valid Behaviour Tests (BV) .....	352
E.1.3.1	TF/BV - State Event Transitions (SE).....	352
E.1.3.1.1	TF/BV/SE - Kernel (KE) .....	352
E.1.3.1.2	TF/BV/SE Comm. Channel Management (CCM).....	353
E.1.3.1.2.1	TF/BV/SE/CCM Channel Management Procedure (CMP).....	353
E.1.3.1.2.2	TF/BV/SE/CCM Multiple Channel Coordination (MCC) .....	353
E.1.3.1.3	TF/BV/SE Application Selection (AS) .....	354
E.1.3.1.4	TF/BV/SE Transparent Processable Data (TPD) .....	354
E.1.3.1.5	TF/BV/SE Define Function Keys (DFK) .....	354
E.1.3.1.6	TF/BV/SE Remote Echo (RE) .....	354
E.1.3.1.7	TF/BV/SE Escape (ESC) .....	355
E.1.3.2	TF/BV - Parameter Variations (PV).....	355
E.1.3.2.1	TF/BV/PV Kernel (KE) .....	355
E.1.3.2.1.1	TF/BV/PV/KE SBV_Establish .....	355
E.1.3.2.1.2	TF/BV/PV/KE SBV_Release.....	356
E.1.3.2.1.3	TF/BV/PV/KE SBV_Reset.....	356
E.1.3.2.1.4	TF/BV/PV/KE SBV_VTX_Data .....	356
E.1.3.2.1.5	TF/BV/PV/KE SBV_Set_parameter ....	356
E.1.3.2.1.6	TF/BV/PV/KE SBV_Read_parameter .....	356
E.1.3.2.1.7	TF/BV/PV/KE SBV_Set/Read_parameter .....	357
E.1.3.2.1.8	TF/BV/PV/KE SBV_Parameter_indication.....	357
E.1.3.2.1.9	TF/BV/PV/KE SBV_TFI .....	357
E.1.3.2.1.10	TF/BV/PV/KE SBV_TC_Error .....	357
E.1.3.2.2	TF/BV/PV Communication Channel Management (CCM) .....	357
E.1.3.2.2.1	TF/BV/PV/CCM Channel Management Procedure (CMP).....	357
E.1.3.2.2.2	TF/BV/PV/CCM Multiple channel coordination .....	359
E.1.3.2.3	TF/BV/PV Application Selection (AS) .....	359
E.1.3.2.3.1	TF/BV/PV/AS SBV_Begin_application .....	359
E.1.3.2.4	TF/BV/PV Transparent Processable Data (TPD) .....	359
E.1.3.2.4.1	TF/BV/PV/TPD SBV_TPD_Begin .....	359
E.1.3.2.5	TF/BV/PV Define Function Keys (DFK) .....	360
E.1.3.2.5.1	TF/BV/PV/DFK SBV_DFK .....	360
E.1.3.2.6	TF/BV/PV Remote Echo (RE) .....	360
E.1.3.2.6.1	TF/BV/PV/RE SBV_Remote_Echo.....	360
E.1.3.2.7	TF/BV/PV Escape (ESC) .....	360
E.1.3.2.7.1	TF/BV/PV/ESC SBV_Escape .....	360
E.1.3.3	TF/BV - Encoding Variations (EV).....	360

E.1.3.4	TF/BV - Parameter Combinations (PC).....	360
E.1.3.4.1	TF/BV/PC Kernel (KE) .....	361
E.1.3.4.1.1	TF/BV/PC/KE SBV_Establish.....	361
E.1.3.4.1.2	TF/BV/PC/KE SBV_Release .....	362
E.1.3.4.1.3	TF/BV/PC/KE SBV_VTX_Data .....	362
E.1.3.4.1.4	TF/BV/PC/KE SBV_Set_parameter ...	362
E.1.3.4.1.5	TF/BV/PC/KE SBV_Read_parameter	362
E.1.3.4.1.6	TF/BV/PC/KE SBV_Set/Read_parameter.....	362
E.1.3.4.1.7	TF/BV/PC/KE SBV_Parameter_indication .....	362
E.1.3.4.1.8	TF/BV/PC/KE SBV_TFI.....	363
E.1.3.4.1.9	TF/BV/PC/KE SBV_TC_Error .....	363
E.1.3.4.2	TF/BV/PC Communication Channel Management (CCM)	363
E.1.3.4.2.1	TF/BV/PC/CCM Channel Management Procedure (CMP) .....	363
E.1.3.4.2.2	TF/BV/PC/CCM Multiple Channel Coordination .....	363
E.1.3.4.3	TF/BV/PC Application Selections (AS).....	364
E.1.3.4.3.1	TF/BV/PC/AS SBV_Begin_application	364
E.1.3.4.4	TF/BV/PC Transparent Processable Data (TPD) .....	364
E.1.3.4.4.1	TF/BV/PC/TPD SBV_TPD_Begin .....	364
E.1.3.4.5	TF/BV/PC Define Function Keys (DFK) .....	364
E.1.3.4.5.1	TF/BV/PC/DFK SBV_DFK .....	364
E.1.3.4.6	TF/BV/PC Escape (ESC) .....	364
E.1.3.4.6.1	TF/BV/PC/TPD SBV_Escape.....	364
E.1.4	TF - Inopportune Behaviour (BI) .....	364
E.1.4.1	TF/BI - Test Event variation (TE).....	365
E.1.4.1.1	TF/BI/TE - Unsupported services.....	365
E.1.4.1.2	TF/BI/TE - Other inopportune events.....	365
E.1.4.2	TF/BI - Timing/Timer variation (TI) .....	365
E.1.4.3	TF/BI - Parameter Value Variation (PV) .....	366
E.1.4.3.1	TF/BI/PV - Establishment service .....	366
E.1.4.3.2	TF/BI/PV - X.3 related services.....	366
E.1.4.3.3	TF/BI/PV - Telematic Commands .....	366
E.1.4.4	TF/BI - Parameter Combination (PC) .....	367
E.1.4.4.1	TF/BI/PC - X.3 related services .....	367
E.1.4.4.2	TF/BI/PC - Telematic Commands.....	367
E.1.5	TF - Invalid Behaviour (BO).....	367
E.1.5.1	TF/BO - Parameter Value Variation (PV) .....	367
E.1.5.1.1	TF/BO/PV - X.3 related services.....	367
E.1.5.1.2	TF/BO/PV - Telematic Commands .....	367
E.1.5.2	TF/BO - Encoding Variations (EV).....	368
E.1.5.2.1	TF/BO/EV - X.3 related services.....	368
E.1.5.2.2	TF/BO/EV - Telematic Commands .....	368
E.2	Access Functions (AF) .....	368
E.2.1	AF/Basic Interconnect Tests (BIC).....	368
E.2.2	AF/Capability Tests (CA).....	369
E.2.3	AF/Valid Behaviour Tests (BV).....	369
E.2.3.1	AF/BV - State Event Transitions (SE).....	369
E.2.3.1.1	AF/BV/SE - Kernel (KE) .....	369
E.2.3.1.2	AF/BV/SE Comm. Channel Management (CCM) .....	370
E.2.3.1.2.1	AF/BV/SE/CCM Channel Management Procedure (CMP) .....	370
E.2.3.1.2.2	AF/BV/SE/CCM Multiple Channel Co- ordination (MCC).....	370
E.2.3.1.3	AF/BV/SE Application Selection (AS) .....	371
E.2.3.1.4	AF/BV/SE Transparent Processable Data (TPD) .....	371
E.2.3.1.5	AF/BV/SE Define Function Keys (DFK) .....	371
E.2.3.1.6	AF/BV/SE Remote Echo (RE).....	371
E.2.3.1.7	AF/BV/SE Escape (ESC) .....	371
E.2.4	AF - Inopportune Behaviour (BI) .....	372

E.2.4.1	AF/BI - Test Event variation (TE) .....	372
E.2.4.1.1	AF/BI/TE - Unsupported services .....	372
E.2.4.1.2	AF/BI/TE - Other inopportune events .....	373
E.2.4.2	AF/BI - Timing/Timer variation (TI) .....	373
E.2.4.3	AF/BI - Parameter Value Variation (PV) .....	373
E.2.4.3.1	AF/BI/PV - Establishment service .....	373
E.2.4.3.2	AF/BI/PV - X.3 related services .....	373
E.2.4.3.3	AF/BI/PV - Telematic Commands .....	374
E.2.4.4	AF/BI - Parameter Combination (PC) .....	374
E.2.4.4.1	AF/BI/PC - X.3 related services .....	374
E.2.4.4.2	AF/BI/PC - Telematic Commands .....	374
E.2.5	AF - Invalid Behaviour (BO) .....	374
E.2.5.1	AF/BO - Parameter Value Variation (PV) .....	374
E.2.5.1.1	AF/BO/PV - X.3 related services .....	374
E.2.5.1.2	AF/BO/PV - Telematic Commands .....	375
E.2.5.2	AF/BO - Encoding Variations (EV) .....	375
E.2.5.2.1	AF/BO/EV - X.3 related services .....	375
E.2.5.2.2	AF/BO/EV - Telematic Commands .....	375
Annex F (normative):	SBV State Diagrams .....	376
F.1	CCITT Recommendation X.29 state machine .....	376
F.2	SBV State Diagram .....	377
Annex G (normative):	SBV state tables .....	386
G.1	Terminal Function state tables .....	387
G.1.1.1	Terminal Function Service events .....	387
G.1.1.2	Terminal Function Protocol events .....	389
G.2.	Access Function State Tables .....	391
G.2.1.1	Access Function Service events .....	391
G.2.1.2	Access Function Protocol events .....	393
Annex H (normative):	BIS for SBV over ISDN circuit switched DTE/DTE (ETS 300 079) .....	395
H.1	Normative references .....	395
H.2	Access network scenario .....	396
H.3	Protocol pillar .....	396
H.4	Bearer Independent Service (BIS) definition .....	396
H.5	Use of BIS .....	397
H.6	Lower Layers .....	397
H.6.1	Co-ordination between D-channel and B-channel .....	397
H.6.2	Layer 3 D-channel protocol .....	397
H.6.2.1	The access protocol .....	397
H.6.2.2	Terminal selection and compatibility checking .....	397
H.6.2.3	Service specific use of supplementary services .....	397
H.6.2.4	Call Progress Signals .....	397
H.6.3	Layer 3 B-channel protocol .....	397
H.6.4	Layer 2 D-channel protocol .....	397
H.6.5	Layer 2 B-channel protocol .....	397
H.6.6	Layer 1 protocol .....	397
Annex J (informative):	Scope of conformance testing of SBV Protocol .....	398
Annex K (informative):	CTS-2 Triple-X conformance testing .....	400

K.1	Terminal Function related Test Cases.....	400
K.1.1	DTM31A.....	401
K.1.2	DTM31B.....	403
K.1.3	DTM32.....	404
K.1.4	DTM33A.....	405
K.1.5	DTM33B.....	406
K.1.6	DTM34.....	406
K.2	Access Function related Test Cases.....	406
K.2.1	DTM4.....	406
K.2.2	DTM5.....	407
Annex L (informative):	Bibliography .....	408
History.....		409

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST I-ETS 300 236 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003>

## Foreword

This Interim European Telecommunication Standard (I-ETS) has been produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

An ETSI standard may be given I-ETS status as it is regarded either as a provisional solution ahead of a more advanced standard, or because it is immature and requires a trial period. The life of an I-ETS is limited, at first, to three years after which it can be converted into a European Telecommunication Standard (ETS), have its life extended for a further two years, be replaced by a new version of the I-ETS or, finally, be withdrawn.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST I-ETS 300 236 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003>

Blank page

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST I-ETS 300 236 E1:2003](https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003)

<https://standards.iteh.ai/catalog/standards/sist/b3500cb9-f232-4c7c-8169-69c3fbcffe1b/sist-i-ets-300-236-e1-2003>

## 1 Scope

The Abstract Test Suite (ATS) defined by this I-ETS 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 this I-ETS 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: This conformance testing I-ETS does not apply in totality to ETS 300 079 [3] based terminals. As a matter of fact, some services are tested in this I-ETS, 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 this I-ETS to ETS 300 079 [3] based terminals, the test cases in question should be de-selected.

NOTE 3: At the time of producing this I-ETS, 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) (cf. 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) (cf. subclause 6.2 of ETS 300 223 [2] or ETS 300 079 [3]), only the test purposes are given by this I-ETS.

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: This I-ETS 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 this I-ETS 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.