# ETSI

## INTERIM EUROPEAN TELECOMMUNICATION STANDARD

# Terminal Equipment (TE);
# File transfer over the Integrated Digital Services Network (ISDN);
# Conformance testing specification
# Part 3: Profile Specific Test Specification (PSTS)
# for the EUROFILE profile (ETS 300 383)

## ETSI

# Contents

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# Foreword

Part 3 of this final draft Interim European Telecommunication Standard (I-ETS) has been produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

An ETSI standard may be given I-ETS status either because it is regarded 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 to three years after which it can be converted into an ETS, have it's life extended for a further two years, be replaced by a new version, or be withdrawn.

This is the third part of an I-ETS which comprises three parts as follows:

"Terminal Equipment (TE); File transfer over the Integrated Services Digital Network (ISDN); Conformance testing specification:

Part 1: Profile Implementation Conformance Statement (ICS) proforma for the EUROFILE profile (ETS 300 383);

Part 2: Profile Test Specification Summary (PTS-Summary) for the EUROFILE profile (ETS 300 383);

**Part 3: Profile Specific Test Specification (PSTS) for the EUROFILE profile (ETS 300 383)".**

| Proposed announcement date | |
|---|---|
| Date of latest announcement of this I-ETS (doa): | 3 months after ETSI publication |

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# 1    Scope

This part of the final draft Interim European Telecommunication Standard (I-ETS) describes all the aspects of testing for the EUROFILE profile (ETS 300 383 [1]). This is the third part of EUROFILE conformance testing, and is the structuring document of the Profile Testing Standard, complementary to the Profile test Specification Summary (PTS-Summary) as given in I-ETS 300 490-2 [2] and the profile Implementation Conformance Statement (ICS) proforma for ETS 300 383 (I-ETS 300 490-1 [3]).

# 2    Normative references

This part of the I-ETS incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this part of the I-ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1]         ETS 300 383 (1995): "Integrated Services Digital Network (ISDN); File transfer over the ISDN EUROFILE transfer profile".

[2]         I-ETS 300 490-2 (1995): "Terminal Equipment (TE); File transfer over the Integrated Services Digital Network (ISDN); Conformance testing specification; Part 2: Profile Test Specification Summary (PTS-Summary) for the EUROFILE profile (ETS 300 383)".

[3]         I-ETS 300 490-1 (1995): "Terminal Equipment (TE); File transfer over the Integrated Services Digital Network (ISDN); Conformance testing specification; Part 1: profile Implementation Conformance Statement (ICS) proforma for the EUROFILE profile (ETS 300 383)".

[4]         ETS 300 012 (1992): "Integrated Service Digital Network (ISDN); Basic rate user-network interface, Layer 1 specification and test principles".

[5]         ETS 300 011 (1992): "Integrated Service Digital Network (ISDN); Primary rate user-network interface, Layer 1 specification and test principles".

[6]         ETS 300 125 (1991): "Integrated Service Digital Network (ISDN); User-network interface data layer link layer specifications Applications of CCITT Recommendations Q.920/I.440 and Q.921/I.441".

[7]         ETS 300 102-1 (1993): "Integrated Service Digital Network (ISDN); User-network interface layer 3 specifications for basic call control".

[8]         ETS 300 080 (1992): "Integrated Service Digital Network (ISDN); ISDN lower layer protocols for telematic terminals".

[9]         I-ETS 300 491-3 (1995): "Terminal Equipment (TE); Conformance testing for file transfer over the Integrated services Digital Network (ISDN); Part 3: Conformance testing for ETS 300 075 restricted by ETS 300 383 -Abstract Test Suite (ATS)".

[10]        ETS 300 079 (1991): "Integrated Services Digital Network (ISDN); Syntax-based Videotex, End-to-end protocols circuit mode DTE-DTE".

[11]        I-ETS 300 236 (1993): "Terminal Equipment (TE); Syntax-based Videotex protocol, Terminal conformance testing".

[12]        ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

[13]        ETS 300 075 (1994): "Terminal Equipment (TE); Processable data, File transfer".

[14]                     ITU-T Recommendation T.51 (1993): "Coded character sets for telematic services".

[15]                     I-ETS 300 491-2 (1995): "Terminal Equipment (TE); Conformance testing for file transfer over the Integrated services Digital Network (ISDN); Part 2: ETS 300 075 Test Suite Structure and Test Purposes (TSS&TP)".

[16]                     ISO/IEC 9646-5 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 5: Requirements on test laboratories and clients for the Conformance Assessment Process".

[17]                     ISO/IEC 9646-3 (1993): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 3: Tree and Tabular Combined Notation (TTCN)".

# 3        Definitions and abbreviations

## 3.1        Definitions

For the purposes of this part of the I-ETS, the definitions given in ISO/IEC 9646, Parts 1 to 8, ETS 300 075 [13] and ETS 300 383 [1] apply.

## 3.2        Abbreviations

For the purposes of this part of the I-ETS, the following abbreviations apply:

| | |
|---|---|
| ASP | Abstract Service Primitive |
| ATM | Abstract Test Method |
| ATS | Abstract Test Suite |
| CTP | Combined Test Purpose |
| DTE | Data Terminal Equipment |
| HLC | Higher Layer Compatibility |
| ICS | Implementation Conformance Statement |
| ISDN | Integrated Services Digital Network |
| IUT | Implementation Under Test |
| IXIT | Implementation eXtra Information for Testing |
| LT | Lower Tester |
| OSI | Open Systems Interconnect |
| PCO | Point of Control and Observation |
| PCTR | Protocol Conformance test Report |
| PDU | Protocol Data Unit |
| PICS | Protocol Implementation Conformance Statement |
| PIXIT | Protocol Implementation eXtra Information for Testing |
| Profile CTR | Profile Conformance Test Report |
| Profile ICS | Profile Implementation Conformance Statement |
| PSTS | Profile Specific Test Specification |
| PTS | Profile Test Specification |
| PTS-Summary | Profile Test Specification Summary |
| RL | Requirement List |
| SBV | Syntax-Based Videotex |
| SCS | System Conformance Statement |
| SCTR | System Conformance Test Report |
| SUT | System Under Test |
| TE | Terminal Equipment |
| TP | Test Purposes |
| TSS | Test Suite Structure |
| TTCN | Tree and Tabular Combined Notation |
| UT | Upper Tester |

## 4 General

This part of the I-ETS describes all the aspects of testing.

The Abstract Test Suite (ATS) is specified in annex A.

> NOTE: The ATS is written in Tree and Tabular Combined Notation (TTCN) and follows the rules of ISO/IEC 9646-3 [17]. The ATS exists in machine processable form (DIP04903.MP) and is the property of ETSI.

Additional Selected Test Cases of other Conformance test specifications are described in clause 7.

## 5 Abstract Test Method

This clause describes the Abstract Test Method (ATM), the Points of Control and Observation (PCO) used to test the simple file transfer over the Integrated Services Digital Network (ISDN).

The Remote multi layer test method shall be used.

The following figure shows the ATM.



| | |
|---|---|
| LT | A Lower Tester (LT) is located in the test system. It controls and observes the behaviours of the Implementation Under Test (IUT). |
| PCO1 | The PCO one is defined between T-Service user and T-Service provider (see ETS 300 075 [13], page 18, "Case of Syntax-Based Videotex:"). PCO1 is the main PCO in the ATS. |
| PCO2 | The PCO two is defined below the syntax-Based Videotex layer. It serves only for specific Test Cases to observe the behaviour of used Syntax-Based Videotex (see ETS 300 075 [13], subclause 6.5). PCO2 serves only for specific Test Cases and does not serve to observe all Test Cases. The reason for PCO2, is that if the IUT sends a T_Abort or a T_Release then the reaction on PCO1 cannot be observed. |
| Service Provider | The Service Provider consists partly of Syntax based Videotex End-to-End protocols DTE-DTE (ETS 300 079 [10]) and Lower layer protocols for telematic terminals (ETS 300 080 [8]). |
| IUT | ETS 300 075 [13] restricted to EUROFILE profile is the IUT. It belongs to the System Under Test (SUT). |
| UT | No explicit Upper Tester (UT) exists in the test system. However, the SUT needs to carry out some IUT actions by the user interface to achieve some effects of test co-ordination procedures. The controls of the IUT are implied or informally expressed in the ATS, but no assumption shall be made regarding their feasibility or realisation. |

NOTE: This ATM cannot be used for the testing of local services. In order to test local services this test specification describes the test in the ATS with text, and the tester shall realise those local service tests by the specific procedure described in annex B.

**Figure 1: ATM**

# 6 Test requirements

## 6.1 General requirements

For this conformance test specification all the requirements to carry out the tests are given.

To realise this conformance test specification it is necessary that all the layers below work properly. For this reason, lower layers shall be checked before this specification by relevant conformance test specifications, see clause 7.

This test specification does not deal with the details of the human interface. Only Protocol Data Units (PDUs) and Parameters are observed and controlled at the PCOs.

The tester shall observe the order of transmission of parameters within a PDU. At present, a fixed order of transmission of parameters is not required by the I-ETS. Consequently, the test equipment shall realise the receiving of parameters in different order.

## 6.2 Low layer requirements

Clause 10 of ETS 300 383 [1] shall apply without any additional application rules.

Additional requirements or references to referenced documents are given in the following subclauses.

### 6.2.1 Layer 1 protocols

For terminals using basic access to an ISDN, ETS 300 012 [4] shall apply without any additional application rules.

For terminals using the primary rate access to an ISDN, ETS 300 011 [5] shall apply without any additional application rules.

### 6.2.2 Layer 2 protocols, D-channel layer

ETS 300 125 [6] shall apply without any additional rules.

### 6.2.3 Layer 3 protocols D-channel layer

Additional requirements and amendments are given in the following subclauses.

#### 6.2.3.1 Terminal selection and compatibility checking

Subclause 10.2.2 of ETS 300 383 [1] describes the use of the "Eurofile" Higher Layer Compatibility (HLC) codepoint . This codepoint is not available and is thus not relevant for testing.

#### 6.2.3.2 Service specific use of supplementary services

No supplementary service tests are contained in this I-ETS.

### 6.2.4 Information transfer attributes

The information transfer attributes of this teleservice are specified in table 1.

**Table 1: Values of information transfer attributes**

| Attribute | Possible values |
|---|---|
| Information transfer mode | Circuit |
| Information transfer rate | 64 kbit/s |
| Information transfer capability | Unrestricted digital information |
| Structure | 8 kHz integrity |
| Establishment of communication | On demand |
| Symmetry | Bi-directional symmetric |
| Communication configuration | Point-to-point |

### 6.2.5 Access attributes

The access attributes of this teleservice are specified in table 2.

**Table 2: Values**

| Attribute | Possible values |
|---|---|
| Access channel and rate | User information<br>- B-channel<br>Signalling<br>- D-channel |
| Signalling access protocol | ETS 300 125 [6] and 300 102-1 [7] |
| Information access protocol | ETS 300 080 [8] |

### 6.3 End-to-end protocol

Clause 9 in ETS 300 383 [1] shall apply without any additional rules.

### 6.4 IUT test suite specific requirements

Before the test specification is started the tester shall configure the IUT (SUT). The test files, the access control list and the Correspondent phonebook shall be prepared.

### 6.4.1 Test file

This ATS gives a fixed order of directories and files. The tester shall activate transactions for certain Test Cases at the IUT user interface. For this reason, the tester shall realise the following designations of files in the IUT in the directory 'eurotest' as follows:

- File type group A (default):

    a) tstde_2, tstlo_1, tstre_n1, tstre_o1, tstre_o2, tstre_3, tstsa_2.

The content of the files is defined in Annex A, in the TTCN description.

### 6.4.2 Access control list

For the carrying out of tests, the tester shall prepare the access control list as follows:

Services:                        Restrictions to services shall not be allowed.

Identifier:                      Name: TESTEURO and Password: testrun shall be granted, i.e. the following identifier: "TESTEURO/testrun".

Working area:                EUROTEST.

    NOTE:        Additional rules for identifiers are given in annex B, subclause B.2.3.5.

### 6.4.3      Correspondent phone book

For carrying out the tests, the tester shall prepare the Corresponding phone book as follows:

Services:                    Restrictions to services shall not be allowed.

Called address:              TSPX_CALLED_ADDRESS, see annex B, subclause B.2.3.2.

Local working filestore;    EUROTEST.

## 7      Profile Specific Test Specification (PSTS)

### 7.1      Additional selected Test Cases of other conformance test specifications

Before carrying out the tests the correct implementation of the lower layers shall be checked and other Protocol Conformance Test Report (PCTR) should be used.

This clause gives an overview about additional test specifications. Relevant test specifications are showed in the figure below.



**Figure 2: Test specifications**

### 7.2      Relevant Test Cases from I-ETS 300 491-3

See the list of Test Cases used in I-ETS 300 491-3 [9].

This I-ETS describes all references used for testing the EUROFILE profile (ETS 300 383 [1]).

**Table 3: List of Test Purposes applicable to the profile**

| Test Purpose group | Test Case Identification | Remarks |
|---|---|---|
| S/CA/AS | TCS2_102 | |
| S/CA/AC | TCS2_202 | |
| S/CA/SA | TCS2_401 | |
| S/CA/LO | TCS2_501 | |
| S/CA/RE | TCS2_601 | |
| S/CA/DE | TCS2_701 | |
| S/CA/FT | TCS2_802 | |
| S/BV/PI/AS | TCS3I101 | |
| S/BV/PI/FT | TCS3I802 | |
| S/BV/PI/FT | TCS3I804 | |
| S/BV/PI/FT | TCS3I805 | |
| S/BV/PI/FT | TCS3I807 | |
| S/BV/PI/FT | TCS3I808 | |
| S/BV/PI/FT | TCS3I809 | |
| S/BV/PI/FT | TCS3I810 | |
| S/BV/PI/TD | TCS3I901 | |
| S/BV/PV/AC | TCS3V201 | |
| S/BV/PV/AC | TCS3V202 | |
| S/BV/PV/AC | TCS3V203 | |
| S/BV/PV/DI | TCS3V301 | |
| S/BV/PV/SA | TCS3V401 | |
| S/BV/PV/LO | TCS3V501 | |
| S/BV/PV/RE | TCS3V601 | |
| S/BV/PV/RE | TCS3V602 | |
| S/BV/PV/DE | TCS3V701 | |
| S/BV/PV/FT | TCS3V801 | |
| S/BV/PV/FT | TCS3V802 | |
| S/BV/PV/FT | TCS3V804 | |
| S/BV/PC/DI | TCS3C301 | |
| S/BV/PC/SA | TCS3C401 | |
| S/BV/PC/LO | TCS3C501 | |
| S/BV/PC/RE | TCS3C601 | |
| S/BV/PC/DE | TCS3C701 | |
| S/BV/PC/FT | TCS3C602 | |
| S/BV/IE/AS | TCS3E101 | |
| S/BV/IE/AC | TCS3E201 | |
| S/BV/IE/SA | TCS3E401 | |
| S/BV/IE/LO | TCS3E501 | |
| S/BI/PV/AS | TCS5V101 | |
| S/BI/PV/AS | TCS5V102 | |
| S/BI/PV/AS | TCS5V103 | |
| S/BI/PV/AS | TCS5V104 | |
| S/BI/PV/AS | TCS5V105 | |
| S/BI/PV/AC | TCS5V201 | |
| S/BI/PV/AC | TCS5V202 | |
| S/BI/PV/AC | TCS5V203 | |
| S/BI/PV/DI | TCS5V301 | |
| S/BI/PV/SA | TCS5V401 | |

**(continued)**

**Table 3 (continued): List of Test Purposes applicable to the profile**

| Test Purpose group | Test Case Identification | Remarks |
|---|---|---|
| S/BI/PV/LO | TCS5V501 | |
| S/BI/PV/DE | TCS5V701 | |
| S/BI/PV/FT | TCS5V801 | |
| S/BI/PV/FT | TCS5V803 | |
| S/BI/PV/FT | TCS5V804 | |
| | | |
| S/BI/PV/FT | TCS5V807 | |
| S/BI/PV/FT | TCS5V808 | |
| S/BI/PV/FT | TCS5V809 | |
| S/BI/PV/FT | TCS5V810 | |
| S/BI/PV/FT | TCS5V811 | |
| S/BI/PV/TD | TCS5V901 | |
| S/BI/PC/FT | TCS5C801 | |
| S/BI/PC/FT | TCS5C802 | |
| S/BO/IE/AS | TCS4E101 | |
| S/BO/IE/AS | TCS4E102 | |
| S/BO/IE/AS | TCS4E103 | |
| S/BO/IE/AC | TCS4E201 | |
| S/BO/IE/AC | TCS4E202 | |
| S/BO/IE/AC | TCS4E203 | |
| S/BO/IE/SA | TCS4E401 | |
| S/BO/IE/SA | TCS4E402 | |
| S/BO/IE/LO | TCS4E501 | |
| S/BO/IE/FT | TCS4E801 | |
| S/BO/IE/FT | TCS4E802 | |
| | | |
| M/CA/AS | TCM2_102 | |
| M/CA/AC | TCM2_202 | |
| M/CA/SA | TCM2_401 | |
| M/CA/LO | TCM2_501 | |
| M/CA/RE | TCM2_601 | |
| M/CA/DE | TCM_701 | |
| M/BV/PI/AS | TCM3I101 | |
| M/BV/PI/AS | TCM3I102 | |
| M/BV/PI/AC | TCM3I201 | |
| M/BV/PI/DI | TCM3I301 | |
| M/BV/PI/SA | TCM3I401 | |
| M/BV/PI/SA | TCM3I402 | |
| M/BV/PI/LO | TCM3I501 | |
| M/BV/PI/LO | TCM3I502 | |
| M/BV/PI/RE | TCM3I601 | |
| M/BV/PI/DE | TCM3I701 | |
| M/BV/PI/FT | TCM3I802 | |
| M/BV/PI/FT | TCM3I804 | |
| M/BV/PI/FT | TCM3I805 | |
| M/BV/PI/FT | TCM3I807 | |
| M/BV/PI/FT | TCM3I808 | |
| M/BV/PI/FT | TCM3I809 | |
| M/BV/PI/FT | TCM3I810 | |

**(continued)**

**Table 3 (continued): List of Test Purposes applicable to the profile**

| Test Purpose group | Test Case Identification | Remarks |
|---|---|---|
| M/BV/PI/FT | TCM3I8011 | |
| M/BV/PI/TD | TCM3I901 | |
| M/BV/PV/FT | TCM3V801 | |
| M/BV/PV/FT | TCM3V802 | |
| M/BV/IE/AS | TCM3E101 | |
| M/BV/IE/AS | TCM3E102 | |
| M/BV/IE/AC | TCM3E201 | |
| M/BV/IE/AC | TCM3E202 | |
| M/BV/IE/SA | TCM3E401 | |
| M/BV/IE/SA | TCM3E402 | |
| M/BV/IE/LO | TCM3E501 | |
| M/BV/IE/LO | TCM3E502 | |
| M/BV/IE/TD | TCM3E901 | |
| M/BV/IE/TD | TCM3E902 | |
| M/BV/TI/AC | TCM3T201 | |
| M/BV/TI/DI | TCM3T301 | |
| M/BV/TI/FT | TCM3T801 | |
| M/BI/PV/AS | TCM5V101 | |
| M/BI/PV/AS | TCM5V102 | |
| M/BI/PV/AS | TCM5V103 | |
| M/BI/PV/AS | TCM5V104 | |
| M/BI/PV/AC | TCM5V201 | |
| M/BI/PV/AC | TCM5V202 | |
| M/BI/PV/AC | TCM5V204 | |
| M/BI/PV/DI | TCM5V301 | |
| M/BI/PV/SA | TCM5V401 | |
| M/BI/PV/LO | TCM5V501 | |
| M/BI/PV/RE | TCM5V601 | |
| M/BI/PV/DE | TCM5V701 | |
| M/BI/PV/FT | TCM5V801 | |
| M/BI/PV/FT | TCM5V802 | |
| M/BI/PV/FT | TCM5V803 | |
| M/BI/PV/FT | TCM5V806 | |
| M/BI/PV/FT | TCM5V807 | |
| M/BI/PV/FT | TCM5V808 | |
| M/BI/PV/TD | TCM5V901 | |
| M/BI/PC/FT | TCM5C801 | |
| M/BI/PC/FT | TCM5C802 | |
| M/BO/IE/AS | TCM4E101 | |
| M/BO/IE/AS | TCM4E102 | |
| M/BO/IE/AS | TCM4E103 | |
| M/BO/IE/AS | TCM4E104 | |
| M/BO/IE/AS | TCM4E105 | |
| M/BO/IE/AC | TCM4E201 | |
| M/BO/IE/AC | TCM4E202 | |
| M/BO/IE/AC | TCM4E203 | |
| M/BO/IE/AC | TCM4E204 | |
| M/BO/IE/AC | TCM4E205 | |
| M/BO/IE/AC | TCM4E206 | |

**(continued)**

**Table 3 (concluded): List of Test Purposes applicable to the profile**

| Test Purpose group | Test Case Identification | Remarks |
|---|---|---|
| M/BO/IE/DI | TCM4E301 | |
| M/BO/IE/SA | TCM4E401 | |
| M/BO/IE/SA | TCM4E402 | |
| M/BO/IE/LO | TCM4E501 | |
| M/BO/IE/LO | TCM4E502 | |
| M/BO/IE/LO | TCM4E503 | |
| M/BO/IE/RE | TCM4E601 | |
| M/BO/IE/DE | TCM4E701 | |
| M/BO/IE/FT | TCM4E801 | |
| M/BO/IE/FT | TCM4E802 | |

### 7.3 Relevant Syntax-Based Videotex end-to-end protocol DTE-DTE Test Cases

This test specification is based on Syntax-Based Videotex (SBV) end-to-end protocol DTE-DTE. EUROFILE shall use the transparent mode (with no transport layer) and shall comply with ETS 300 079 [10].

The ETS 300 079 [10] TDUs to implement the transparent mode are:

- SBV_TPD_Begin;
- SBV_TPD_End;
- SBV_TC_Error.

For further details see ETS 300 383 [1], clause 9.

Additional Test Cases that shall be tested are included in I-ETS 300 236 [11], see table 4 below. The referenced tables in the Test Case Name column are referencing out to I-ETS 300 236 [11].

**Table 4: Selected Test Cases**

| Test Case Name | Purpose |
|---|---|
| SBV/TF/BV/SE/TPD/1 (table 357) | Check that the IUT is able to send a valid SBV_TPD_Begin request PDU. |
| SBV/TF/BV/SE/TPD/2 (table 358) | Check that after having sent a SBV_TPD_Begin request PDU, the IUT is able to accept a valid SBV_TPD_Begin response PDU, ending in state (12) TF_TPD_data _transfer_ready. |
| SBV/TF/BV/SE/TPD/3 (table 359) | Check that after having sent a SBV_TPD_Begin request PDU, the IUT is able to accept a valid SBV_TC_Error PDU with Error_code parameter meaning "TC not supported", ending in state (4) TF_data_transfer_ready (The SBV_TC_Error PDU acts as a negative response). |
| SBV/TF/BV/SE/TPD/5 (table 361) | Check that, on receipt of a valid SBV_TPD_Begin request PDU, the IUT is able to send a valid positive SBV_TPD_Begin response PDU, ending in state (12) TF_TPD_data_transfer_ready. |
| SBV/TF/BV/SE/TPD/6 (table 362) | Check that the IUT is able to accept a valid SBV_TPD_End request PDU, ending in state (4) TF_data_transfer_ready. |
| SBV/TF/BV/SE/TPD/7 (table 363) | Check that the IUT is able to send a valid SBV_TPD_End request PDU, ending in state (4) TF_data_transfer_ready. |
| SBV/TF/BV/PV/TPD/1 (table 425) | Check that the IUT is able to receive a valid SBV_TPD_Begin response PDU with Result parameter present and having the value "Successful". |
| SBV/TF/BV/PV/TPD/2 (table 426) | Check that the IUT is able to receive a valid SBV_TPD_Begin response PDU with Result parameter present and having the value "TPD Not supported". |
| SBV/TF/BV/PV/TPD/3 (table 427) | Check that the IUT is able to receive a valid SBV_TPD_Begin response PDU with DDU_Fall-Back_Mode parameter present. |
| SBV/TF/BV/PV/TPD/4 (table 428) | Check that the IUT is able to send a valid SBV_TPD_Begin response PDU with Result parameter present and having the value "Successful". |
| SBV/TF/BV/PV/TPD/5 (table 429) | Check that the IUT is able to send a valid SBV_TPD_Begin response PDU with Result parameter present and having the value "TPD Not supported". |
| SBV/TF/BV/PV/TPD/6 (table 430) | Check that the IUT is able to send a valid SBV_TPD_Begin response PDU with DDU_Fall-Back_Mode parameter present. |
| SBV/TF/BV/PC/TPD/1 (table 455) | Check that the IUT is able to receive a valid SBV_TPD_Begin response PDU with Result parameter present and having the value "Successful" and DDU_Fall-Back_Mode parameter present. |
| SBV/TF/BV/PC/TPD/2 (table 456) | Check that the IUT is able to receive a valid SBV_TPD_Begin response PDU with Result parameter present and having the value "TPD Not supported" and DDU_Fall-Back_Mode parameter present. |
| SBV/TF/BV/PC/TPD/3 (table 457) | Check that DDU_Fall-Back_Mode parameter is absent from a SBV_TPD_Begin response PDU with Result parameter present and having the value "Successful". |
| SBV/TF/BI/TE/US/3 (table 463) | Check that on receipt of an SBV_TPD_Begin request PDU, the IUT is able to send a valid SBV_TC_Error PDU, with Error_code set to "TC Not Supported", and the following octet meaning SBV_TPD_Begin. |

**(continued)**

**Table 4 (concluded): Selected Test Cases**

| Test Case Name | Purpose |
|---|---|
| SBV/TF/BI/TE/US/4 (table 464) | Check that on receipt of an SBV_TPD_End request PDU, the IUT is able to send a valid SBV_TC_Error PDU, with Error_code set to "TC Not Supported", and the following octet meaning SBV_TPD_End. |
| SBV/TF/BI/TE/OIE/2 (table 468) | Check that on receipt of a SBV_TPD_Begin response corresponding to no previous request, the IUT sends a valid SBV_TC_Error PDU with Error_Code set to "TC_Erroneous". |
| SBV/TF/BI/TI/2 (table 470) | Check that after having sent a SBV_TPD_Begin request PDU and not received any response PDU for a certain time, the IUT releases the communication. |
| SBV/TF/BI/PC/TC/1 (table 481) | Check that on receipt of a SBV_TPD_Begin response PDU, with Result parameter set to "Successful" and DDU_Fall_Back mode parameter present, the IUT issues a SBV_TC_Error PDU. |
| SBV/TF/BO/PB/TC/7 (table 488) | Check that on receipt of a SBV_TPD_Begin response PDU with no Result parameter, the IUT sends a SBV_TC_Error PDU, with Error_Code parameter set to "TC_Erroneous". |

NOTE: Further studies of the SBV layer test specification are needed. In the SBV layer test specification there are some Test Purposes missing. The EUROFILE profile conformance testing needs additional SBV layer Test Purposes as follows:

- the reception of a SBV_TC_Error with an Error code parameter "TC erroneous" in state 12 (TF_TPD_data_transfer_ready) resulting in the transmission of a SBV_TPD_End;

- the caller terminal remains waiting for an SBV_Establish_Response, as long as the inactivity timeout has not run out.

## 7.4 Relevant ISDN lower layer protocol telematic service Test Cases

No specific Test Cases are described in this I-ETS. It shall be realised that lower layer protocols for telematic service are correctly implemented. The lower layer requirements described in subclause 6.2 should be checked.

# 8 Profile specific conformance tests

## 8.1 Test Suite Structure (TSS) and Test Groups

### 8.1.1 Test Suite Structure (TSS)

Following the rules described in ETS 300 406 [12], subclause 7.4.1.1, the test suite for the TP is structured as a tree as shown in the following figures:



**Figure 3: EUROFILE Test Suite Structure**



**Figure 4: Capability test group structure**

```
┌─────────────────────────────────────────────────────────────────────────────┐
│                        Protocol Interactions (PI) ____ Functional Units __ see fig. 9 │
│  Valid Behaviour Tests ___  Parameter Variations (PV) ____ Functional Units __ see fig. 9 │
│        (BV)                 Parameter Combinations (PC) ___ Functional Units __ see fig. 9 │
│                             Invalid Event (IE)         ____ Functional Units __ see fig. 9 │
└─────────────────────────────────────────────────────────────────────────────┘
```

**Figure 5: Valid behaviour test group structure**

```
┌─────────────────────────────────────────────────────────────────────────────┐
│  Invalid Behaviour ____  Parameter Variations (PV) ____ Functional Units __ see fig. 9 │
│     Tests (BI)           Parameter Combinations (PC) ___ Functional Units __ see fig. 9 │
└─────────────────────────────────────────────────────────────────────────────┘
```

**Figure 6: Invalid behaviour test group structure**

```
┌─────────────────────────────────────────────────────────────────────────────┐
│                                                                               │
│  Inopportune Behaviour ____ Inopportune Events (IE)     Functional Units    see fig. 9 │
│  Tests (BO) of Initiator    Protocol Interactions (PI)                        │
│                                                                               │
└─────────────────────────────────────────────────────────────────────────────┘
```

**Figure 7: Inopportune behaviour test group structure (initiator)**

```
┌─────────────────────────────────────────────────────────────────────────────┐
│                             Inopportune Event (IE)    ____ Functional Units    see fig. 9 │
│  Inopportune Behaviour ___  Parameter Variations (PV)     ____                │
│  Tests (BO) - Responder     Parameter Combinations (PC)   ____                │
└─────────────────────────────────────────────────────────────────────────────┘
```

**Figure 8: Inopportune behaviour test group structure (responder)**

Functional Units
- Association (AS)
- Access (AC)
- Directory (DI)
- Save (SA)
- Load (LO)
- Rename (RE)
- Delete (DE)
- File transfer (FT)
- Typed-data (TD)
- Extended dir. (ED)
- Navigation (NA)

**Figure 9: Functional units**

Services (SE)
- Information supplied (IN) — Funct. services — see fig. 11
- PhoneBook (PB) — Funct. services — see fig. 11
- Logbook (LB) — Funct. services — see fig. 11

**Figure 10: Services test group structure**

Functional Services
- Phases of communication (PH)
- Files administration (FA)
- File transfer (FT)
- Messages (ME)

**Figure 11: Functional services test group structure**

### 8.1.2        Test groups

### 8.1.2.1          Main test groups

**First level**

At the top of the TSS, the name representing the EUROFILE profile (ETS 300 383 [1]) is mentioned.

**Second level: Major roles and services**

The TSS consists of the following roles and services, which determine the set of services:

- Master (M)            the master is the entity which controls the dialogue;
- Slave (S)             the slave is the entity which performs the operations requested by the master;

- Local services (L)    those local services correspond mostly to the management services defined by Eurofile (Configuration, Correspondent Phonebook and access control list, Logbook) but also to the information displayed at the interface level (File lists, Information Supplied).

**Third and fourth level**

This level can be separated into two kinds of groups. The following groups are related to the master and slave roles:

- Capability tests (CA): The tests of this group are intended to check that the observable external static capabilities of the implementation are valid with respect to the static conformance requirements expressed in the Profile ICS of the IUT;

- Valid Behaviour Tests (BV): All tests in the valid behaviour group are intended to verify as thoroughly as possible the various functions of the protocol. This test group is further divided into tests concerning the IUT's behaviour in connection with:

    a)      protocol interactions;
    b)      parameter variations;
    c)      parameter combinations;
    d)      timer variations.

- Invalid Behaviour Tests (BI): This test group is intended to check that the IUT is able to react properly on receiving a syntactically invalid PDU. This test group is further divided into tests concerning the IUT's behaviour in connection with:

    a)      protocol interactions;
    b)      parameter variations;
    c)      parameter combinations.

- Inopportune Behaviour Tests (BO): This test group is intended to check that the IUT is able to react properly, in case an inopportune event occurs. This test group is further divided into tests concerning the IUT's behaviour in connection with:

    a)      inopportune event;
    b)      protocol interactions;
    c)      parameter variations;
    d)      parameter combinations.

- Services (SE):        This test group is intended to test the behaviour of the IUT in connection with protocol exchanges linked to the services defined in ETS 300 383 [1]. This test group is further divided into tests concerning the following services of the IUT:

    a)      Information Supplied (IS);
    b)      PhoneBook (PB);
    c)      LogBook (LB).

The following groups are linked to the local services:

- Configuration (CO): This test group is intended to check the correct configuration administration;

- PhoneBook (PB): This test group is intended to verify the correct administration of the Correspondent Phonebook and access control list;

- File List (FL): This test group is intended to test the management aspect of the file lists;

- Logbook (LB): This test group is intended to check that the logbook is correctly managed;

- Information supplied (IS): This test group is intended to verify the data supplied to the user.

**Fifth level**

At this level, the test groups can be subdivided into two categories: functional units test groups and functional services.

Functional units:

- AS  Association;
- AC  Access;
- DI  Directory;
- SA  Save;
- LO  Load;
- RE  Rename;
- DE  Delete;
- FT  File Transfer;
- TD  Typed-Data;
- NA  Navigation.

Functional services:

- PH  Phases of communication;
- FA  Files Administration;
- FT  File Transfer;
- ME  Messages.

**8.1.2.2        Test steps**

**-        preambles**

Most of the Test Purposes will require a preamble to reach the state defined as the starting state of the Test Purpose.

**-        postambles**

After each test, the IUT is brought back to the initial state through the use of a postamble.

### 8.1.3 Test Purpose naming conventions

The identifier of the Test Purpose takes the following form where each item of the reference name is composed as shown in the table below:

**Table 5: Test Purpose naming conventions**

| | | | | |
|---|---|---|---|---|
| Pattern: | | TCE<R><C><F><UU><NN> | | |
| or | | TCEL<MM><NN> where | (for local services) | |
| <R> : | role | | M | Master |
| | | | S | Slave |
| <C> : | category (main test group) | | | CA, Capability tests |
| | | | | BV, Valid Behaviour Tests |
| | | | 2 | BO, Inopportune Behaviour Tests |
| | | | 3 | BI, Invalid Behaviour Tests |
| | | | 4 | SE, Services |
| | | | 5 | |
| | | | 6 | |
| <F> : | functional aspect | | I | PI, Protocol Interaction |
| | | | V | PV, Parameter Variations |
| | | | C | PC, Parameter Combinations |
| | | | E | IE, Inopportune Event |
| | | | N | IN, Information supplied |
| | | | P | PB, PhoneBook |
| | | | L | LB, LogBook |
| <UU> : | functional units | | 01 | AS, ASsociation |
| | | | 02 | AC, ACcess |
| | | | 03 | DI, File DIrectory |
| | | | 04 | SA, SAve file |
| | | | 05 | LO, LOad file |
| | | | 06 | RE, REname file |
| | | | 07 | DE, DElete file |
| | | | 08 | FT, File TRansfer |
| | | | 09 | TD, Typed-Data |
| | | | 10 | NA, Navigation |
| | | | 11 | PH, Phases of Communication |
| | | | 12 | FA, Files administration |
| | | | 13 | ME, Messages |
| <MM> : | Management service | | CO | Configuration |
| | | | PB | PhoneBook |
| | | | FL | File Lists |
| | | | LB | LogBook |
| | | | IS | Information Supplied |
| <NN> : | sequential number | | (00-99) | |

EXAMPLE: TCEM3V0107 is the **Test Case** for the **Eurofile** profile, for the **Master**, to test the **valid behaviour** of the IUT, with **parameter variations**, during **association phase,** with the sequential number **seven**.
TCELPB02 is the number of Eurofle **Test Case 2**, concerning the **local service** of the **PhoneBook**.

## 8.2 Mapping of replacement Test Purposes from ETS 300 075

The following Test Purposes correspond to those defined for ETS 300 075 [13] testing, which are applicable to ETS 300 383 [1] testing, by defining an adaptation, as to say a different configuration for example.

**Table 6: Mapping of replacement Test Purposes references**

| Test Purpose reference in TSS&TP | | Replacement Test Purpose reference | |
|---|---|---|---|
| **Test group** | **Test Case name** | **Test group** | **Test Case name** |
| M/CA/AS | TCM2_101 | E/M/CA/AS | TCEM2_101 |
| M/CA/AC | TCM2_201 | E/M/CA/AC | TCEM2_201 |
| M/CA/DI | TCM2_301 | E/M/CA/DI | TCEM2_301 |
| M/CA/TD | TCM2_901 | E/M/CA/TD | TCEM2_901 |
| M/BV/PI/FT | TCM3I803 | E/M/BV/PI/FT | TCEM3I801 |
| M/BI/PV/AC | TCM5V203 | E/M/BI/PV/FT | TCEM5V201 |
| S/CA/AS | TCS2_101 | E/S/CA/AS | TCES2_101 |
| S/CA/AC | TCS2_201 | E/S/CA/AC | TCES2_201 |
| S/CA/TD | TCS2_901 | E/S/CA/TD | TCES2_901 |
| S/CA/DI | TCS2_301 | E/S/CA/DI | TCES2_301 |
| S/BV/PI/FT | TCS3I803 | E/S/BV/PI/FT | TCES3I801 |
| S/BV/PC/AS | TCS3C101 | E/S/BV/PV/AS | TCES3V103 |
| S/BI/PV/RE | TCS5V601 | E/S/BI/PV/RE | TCES5V601 |

## 8.3 Additional and replacement Test Purposes description

### 8.3.1 IUT as a Master

**Test group objective:** This test group is to test the action of an IUT when it is the Master.

**Subgroups:**
CA Capability Tests;
BV Valid Behaviour Tests;
BI Invalid Behaviour Tests;
BO Inopportune Behaviour Tests;
TI Timer.

### 8.3.1.1 E/M/Capability tests (CA)

**Test group objective:** To test functional capability of the IUT. It is structured according to functional units.

**Subgroups:**
AS Association;
AC Access;
DI Directory;
FT File Transfer;
TD Typed Data;
NA Navigation.

### 8.3.1.1.1 E/M/CA/Association

**Test group objective:** Checking the capability of the IUT to send an Association request with Eurofile configuration.

**Test Purposes (E/M/CA/AS):**

TCEM2_0101            Ensure that the IUT is able to send a T_ASSOCIATE Request with application name encoded as "!K". (Ref. ETS 300 383 [1], subclause 7.2.1.3c).

**8.3.1.1.2          E/M/CA/Access**

**Test group objective:**     Checking the capability of the IUT to send an Access request with Eurofile configuration.

**Test Purposes (E/M/CA/AC):**

TCEM2_0201              Ensure that the IUT is able to enter access regime by sending a T_ACCESS Request with Eurofile standard configuration. Check that the parameters in the T_Access Request coding correspond to Eurofile configuration. (Ref. ETS 300 383 [1], subclause 7.2.1.4).

**8.3.1.1.3          E/M/CA/Directory**

**Test group objective:**     Checking the capability of the IUT to:

-          send a simple file directory request;
-          receive a file containing private fields.

**Test Purposes (E/M/CA/DI):**

TCEM2_0301              Ensure that the IUT is able to send a T_DIRECTORY Request with designation encoded with a letter and a joker. (Ref. ETS 300 383 [1], subclause 8.1.3.3).

TCEM2_0302              Ensure that the IUT is able to receive a simple directory file containing private fields after having sent a Directory Request. Check that the IUT shall accept the directory file and display the content of the file. (Ref. ETS 300 383 [1], subclause 8.2.2.1).

**8.3.1.1.4          E/M/CA/File Transfer**

**Test group objective:**     Checking the capability of the IUT to send a file with Eurofile configuration.

**Test Purposes (E/M/CA/FT):**

TCEM2_0801              Ensure that the IUT is able to send a file with anticipation window and block size set to the Eurofile recommended values. Check that the parameters are respected in the transfer. (Ref. ETS 300 383 [1], subclause 8.1.1.1).

**8.3.1.1.5          E/M/CA/Typed Data**

**Test group objective:**     Checking the capability of the IUT to send a message with Eurofile configuration.

**Test Purposes (E/M/CA/TD):**

TCEM2_0901              Ensure that the IUT is able to send a T_TYPED_DATA Request. Check that the character set used in transmission conforms to Eurofile specification. (Ref. ETS 300 383 [1], subclause 8.1.4.1).

**8.3.1.1.6          E/M/CA/Navigation**

**Test group objective:**     Checking the capability of the IUT to send the different requests of the navigation service.

**Test Purposes (E/M/CA/NA):**

TCEM2_1001
Ensure that the IUT, from outside navigation service, is able to send a request of the filestore list by sending a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/LIST". (Ref. ETS 300 383 [1], subclause 7.3.5.3).

TCEM2_1002
Ensure that the IUT, from outside navigation service, is able to send a request of the filestore sub-list by sending a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/S-LIST". (Ref. ETS 300 383 [1], subclause 7.3.5.3).

TCEM2_1003
Ensure that the IUT, from outside navigation service, is able to send a request for selecting a filestore by sending a T_SAVE Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/SELECT". (Ref. ETS 300 383 [1], subclause 7.3.5.3).

TCEM2_1004
Ensure that the IUT, in navigation service, is able to send a request of the filestore list, by sending a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/LIST". (Ref. ETS 300 383 [1], subclause 7.3.5.3).

TCEM2_1005
Ensure that the IUT, in navigation service, is able to send a request for checking the name of the current filestore, by sending a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION /S-FILESTORE". (Ref. ETS 300 383 [1], subclause 7.3.5.3).

TCEM2_1006
Ensure that the IUT, in navigation service, is able to send a request of the filestore sub-list, by sending a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/S-LIST". (Ref. ETS 300 383 [1], subclause 7.3.5.3).

TCEM2_1007
Ensure that the IUT is able to exit from navigation service by sending a T_SAVE Request containing designation encoded as "EUROSFT92/NAVIGATION/SELECT". (Ref. ETS 300 383 [1], subclause 7.3.5.3).

### 8.3.1.2 E/M/Valid Behaviour Tests (BV)

**Test group objective:** Checking the following conformance areas for the Master.

**Subgroups:** PI    Protocol Interactions;
PV    Parameter Variations.

### 8.3.1.2.1 E/M/BV/Protocol Interactions (PI)

**Test group objective:** Checking the valid behaviour subgrouped by functional units.

**Subgroups:** AC    Access;
FT    File Transfer;
NA    Navigation.

### 8.3.1.2.1.1 E/M/BV/PI/Access

**Test group objective:** Check transmitted reasons.

**Test Purposes (E/M/BV/PI/AC):**

TCEM3I0201                Ensure that the IUT in state access regime established is able to interrupt the communication. Check that the reason precised in the T_END_ACCESS is "user interrupt of communication". (Ref. ETS 300 383 [1], subclause 8.1.8.1).

**8.3.1.2.1.2        E/M/BV/PI/File Transfer**

**Test group objective:**    Checking that the IUT, on file transfer, is able to:

-        send a file correctly with Eurofile configuration;
-        receive a file containing an empty header;
-        receive a file containing only one parameter in its header;
-        receive a compressed file in basic compression mode;
-        receive a compressed file in high efficiency compression mode;
-        receive a compressed file in application defined compression mode;
-        send a file containing the checksum parameter.

**Test Purposes (E/M/BV/PI/FT):**

TCEM3I0801                Ensure that the IUT is able to send a file with anticipation window and block size set to the Eurofile recommended values. Check that the header of the file received is correctly encoded. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCEM3I0802                Ensure that the IUT is able to accept a file on receiving a file where the header is empty. Check that the IUT receives the file completely and correctly. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCEM3I0803                Ensure that the IUT is able to accept a file on receiving a file where the header contains only the parameter file name. Check that the IUT receives the file completely and correctly. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCEM3I0804                Ensure that the IUT is able to accept a file on receiving a file containing the compression parameter indicating that the basic compression mode is used in its header. Check that the IUT receives the file completely and correctly and performs the uncompression on reception. (Ref. ETS 300 383 [1], subclause 8.2.1 and ETS 300 075 [13], subclause 7.3.2.15).

TCEM3I0805                Ensure that the IUT is able to accept a file on receiving a file containing the compression parameter indicating that the high efficiency compression mode is used in its header. Check that the IUT receives the file completely and correctly and performs the uncompression on reception. (Ref. ETS 300 383 [1], subclause 8.2.1 and ETS 300 075 [13], subclause 7.3.2.15).

TCEM3I0806                Ensure that the IUT is able to accept a file on receiving a file containing the compression parameter indicating that the application defined compression mode is used in its header. Check that the IUT receives the file completely and correctly and performs the uncompression on reception. (Ref. ETS 300 383 [1], subclause 8.2.1 and ETS 300 075 [13], subclause 7.3.2.15).

TCEM3I0807                Ensure that the IUT is able to send a file containing the checksum parameter coded for the file transmitted. Check that the file received contains a correct value of the checksum. (Ref. ETS 300 075 [13], subclause 7.3.2.17).

**8.3.1.2.1.3          E/M/BV/PI/Navigation**

**Test group objective:**    Checking that the IUT, navigation service, is able to:

-          send a directory request of the files of the current filestore;
-          send a file starting by a T_SAVE Request;
-          send a file request starting by a T_LOAD Request;
-          select a filestore which has no direct link with the current filestore;
-          react correctly to filestore selection refusal from outside navigation service;
-          react correctly to filestore selection refusal in navigation service;

**Test Purposes (E/M/BV/PI/NA):**

TCEM3I1001          Ensure that the IUT, in navigation service, is able to send a directory request of the files of the current filestore (Ref. ETS 300 383 [1], subclause 7.3.1).

TCEM3I1002          Ensure that the IUT, in navigation service, is able to send a file starting by a T_SAVE Request. (Ref. ETS 300 383 [1], subclause 7.3.1).

TCEM3I1003          Ensure that the IUT, in navigation service, is able to perform a file load operation starting by a T_LOAD Request. Check that the file is received correctly. (Ref. ETS 300 383 [1], subclause 7.3.1).

TCEM3I1004          Ensure that the IUT, in navigation service, is able to select a filestore which has no direct link with the current filestore. Check that the new current filestore is the one requested. (Ref. ETS 300 383 [1], subclause 7.3.5.3c).

TCEM3I1005          Ensure that the IUT reacts correctly when from outside navigation service, after having sent a request for selecting a filestore, it receives a T_Response_Negative. Check that the navigation service is not accessible to the user. (Ref. ETS 300 383 [1], subclause 7.3.5.3c).

TCEM3I1006          Ensure that the IUT reacts correctly when in navigation service, after having sent a request for selecting a new filestore, it receives a T_Response_Negative. Check that the IUT shall remain in the current filestore. (Ref. ETS 300 383 [1], subclause 7.3.5.3c, d, ETS 300 075 [13], subclause 6.2.3).

**8.3.1.2.2          E/M/BV/Parameter Variations (PV)**

**Test group objective:**    Checking the valid behaviour concerning parameter variations. Where no tests have been identified for a functional unit its name has been omitted.

**Subgroups:**          AS    Association;
                  AC    Access;
                  DI    Directory;
                  FT    File Transfer.

**8.3.1.2.2.1          E/M/BV/PV/Association**

**Test group objective:**    Checking the valid behaviour of the IUT in Association regime, to react on a incorrect EUROFILE application name.

**Test Purposes (E/M/BV/PV/AS):**

TCEM3V0101              Ensure that the IUT on receiving a refusal of the application name "!K" is able either to transmit another application name "!T" as a fallback mode or to terminate the protocol exchange. (Ref. ETS 300 383 [1], subclause 7.2.1.3c).

**8.3.1.2.2.2          E/M/BV/PV/Access**

**Test group objective:** Checking that the IUT is able to enter access regime:

-         on receiving a T_Response Positive containing user data encoded as primitives handled on the three groups (A, B, C).

**Test Purposes (E/M/BV/PV/AC):**

TCEM3V0201              Ensure that the IUT is able to enter access regime, after having sent a T_ACCESS Request, on receiving a T_Response Positive containing user data encoded as primitives handled on the three groups (A, B, C). Check that only the primitives corresponding to the group A or groups A and B are accessible. (Ref. ETS 300 383 [1], subclause 8.1.2.2).

**8.3.1.2.2.3          E/M/BV/PV/Directory**

**Test group objective:** Checking that the IUT is able to receive:

-         a simple directory file without private fields after a directory request;
-         an extended directory file after an extended directory request;
-         receive a simple directory file after having sent an Extended Directory Request;
-         receive a simple directory file containing designation names with maximum size.

**Test Purposes (E/M/BV/PV/DI):**

TCEM3V0301              Ensure that the IUT is able to receive a simple directory file without private fields after having sent a Directory Request. Check that the IUT shall accept the directory file and display the content of the file. (Ref. ETS 300 383 [1], subclause 8.2.2.1).

TCEM3V0302              Ensure that the IUT is able to receive an extended directory file after having sent an Extended Directory Request. Check that the IUT shall accept the correct extended directory file and display the content of the file. (Ref. ETS 300 383 [1], subclause 8.2.2.2).

TCEM3V0303              Ensure that the IUT is able to receive a simple directory file after having sent an Extended Directory Request. Check that the IUT shall accept the correct simple directory file and display the content of the file. (Ref. ETS 300 383 [1], subclause 8.2.2.2).

TCEM3V0304              Ensure that the IUT is able to receive a simple directory file containing transfer names with maximum size after having sent a Directory Request. Check that the IUT shall accept the directory file and display the content of the file. (Ref. ETS 300 383 [1], subclause 8.2.2.1).

**8.3.1.2.3            E/M/BV/Invalid Event (IE)**

**Test group objective:** Checking the valid behaviour concerning invalid events. Where no tests have been identified for a functional unit its name has been omitted.

**Subgroups:**          DI    Directory;
                      FT    File Transfer.

### 8.3.1.2.3.1        E/M/BV/IE/Directory

**Test group objective:**    Checking that the IUT is able to refuse a file on receiving:

- an extended directory file where one of the file headers is empty;
- a TLV erroneous directory file;
- a directory file where one of the file headers contains an erroneous file designation.

**Test Purposes (E/M/BV/IE/DI):**

TCEM3E0301        Ensure that the IUT shall refuse the file on receiving an extended directory file where one of the file headers forming the content of the extended directory is empty. Check that the IUT sends a T_P_EXCEPTION with cause encoded as "syntax error" or a T_Response_Negative, on reception of the last T_WRITE, with cause encoded as "erroneous file". (Ref. ETS 300 383 [1], subclause 8.2.2.2).

TCEM3E0302        Ensure that the IUT shall refuse the file on receiving a TLV erroneous directory file. Check that the IUT sends a T_P_EXCEPTION with cause encoded as "syntax error" or terminates association regime. (Ref. ETS 300 383 [1], subclause 8.2.2.1).

TCEM3E0303        Ensure that the IUT shall refuse the file on receiving a directory file where one of the file headers contains an erroneous file designation. Check that the IUT sends a T_P_EXCEPTION with cause encoded as "syntax error". (Ref. ETS 300 383 [1], subclause 8.2.2.1).

### 8.3.1.2.3.2        E/M/BV/IE/File Transfer

**Test group objective:**    Checking that the IUT, file transfer service, is able to:

- abort a file transfer while performing it as a sender;
- interrupt a communication while performing a file transfer as a sender;
- abort a file transfer while the tester is performing it as a sender;
- interrupt a communication while the tester is performing the file transfer as a sender.

**Test Purposes (E/M/BV/IE/FT):**

TCEM3E0801        Ensure that the IUT is able to abort a file transfer while performing it as a sender. Check that the IUT sends a T_Transfer_Reject with reason code "user abort" and returns to access regime established. (Ref. ETS 300 383 [1], subclause 8.1.6.1).

TCEM3E0802        Ensure that the IUT is able to interrupt a communication while performing a file transfer as a sender. Check that the IUT terminates all the regimes (transfer, access, association) before the release of the communication. (Ref. ETS 300 383 [1], subclause 7.2.1.5).

TCEM3E0803        Ensure that the IUT is able to abort a file transfer while the tester is performing it as a sender. Check that the IUT sends a T_Transfer_Reject with reason encoded as "user abort" and returns to access regime established. (Ref. ETS 300 383 [1], subclause 8.1.6.1).

TCEM3E0804        Ensure that the IUT is able to interrupt a communication while the tester is performing the file transfer as a sender. Check that the IUT terminates all the regimes (transfer, access, association) before the release of the communication. Check that the IUT sends a T_Transfer_Reject with reason encoded as "user abort" (Ref. ETS 300 383 [1], subclause 7.2.1.5).

### 8.3.1.3 E/M/Invalid Behaviour Tests (BI)

**Test group objective:** Checking the IUT's reaction to semantically invalid events.

**Subgroups:** PV Parameter Variations;
PC Parameter Combinations.

### 8.3.1.3.1 E/M/BI/Parameter Variations (PV)

**Test group objective:** Checking the IUT's behaviour to semantically invalid events concerning parameter variations.

**Subgroups:** AC Access;
FT File Transfer;
TD Typed Data;
NA Navigation.

### 8.3.1.3.1.1 E/M/BI/PV/Access

**Test group objective:** Checking the IUT's reaction to the following events, on establishing access regime:

- no function handled;
- functions available only on group B.

**Test Purposes (E/M/BI/PV/AC):**

TCEM5V0201          Ensure that the IUT does not establish access regime on receiving a T_Response Positive with no functions accepted. Check that the IUT sends a T_END_ACCESS with cause parameter encoded as "insufficient primitives handled". (Ref. ETS 300 383 [1], subclause 8.1.2.2).

TCEM5V0202          Ensure that the IUT does not establish access regime on receiving a T_Response Positive with functions authorized only on group B. Check that the IUT sends a T_END_ACCESS with cause parameter encoded as "insufficient primitives handled". (Ref. ETS 300 383 [1], subclause 8.1.2.2).

TCEM5V0203          Ensure that the IUT, in state access regime established, on receiving from the tester a T_END_ACCESS Request with reason parameter encoded with an erroneous parameter length, sends a T_P_EXCEPTION and returns to state access regime established, master role, or terminates association regime. (Ref. ETS 300 383 [1], subclause 8.1.8.1).

### 8.3.1.3.1.2 E/M/BI/PV/Typed Data

**Test group objective:** Checking the IUT's reaction on a message reception containing invalid characters.

**Test Purposes (E/M/BI/PV/TD):**

TCEM5V0901          Ensure that the IUT, in state access regime established, on receiving a T_TYPED_DATA Request containing user data encoded with characters outside authorised set of characters ITU-T Recommendation T.51 [14] or terminates association regime. (Ref. ETS 300 383 [1], subclause 8.1.4.1).

#### 8.3.1.3.2          E/M/BI/Parameter Combinations (PC)

**Test group objective:**     Checking the IUT's behaviour to semantically invalid events concerning parameter combinations. Where no tests have been identified for a functional unit its name has been omitted.

**Subgroups:**          AC     Access.

#### 8.3.1.3.2.1          E/M/BI/PC/Access

**Test group objective:**     Check the IUT's reaction on access regime establishment error.

**Test Purposes (E/M/BI/PC/AC):**

TCEM5C0201          Ensure that the IUT shall terminate association regime on receiving a T_Response Positive with an incoherence between user data and primitives handled (Ref. ETS 300 383 [1], subclause 8.1.2.2).

#### 8.3.1.4          E/M/Inopportune Behaviour Tests (BO)

**Test group objective:**     Checking the IUT's reaction to inopportune events.

**Subgroups:**          IE     Inopportune Event.

#### 8.3.1.4.1          E/M/BO/Inopportune Event (IE)

**Test group objective:**     Checking the reaction of the IUT subgrouped by functional units.

**Subgroups:**          AC     Access;
DI     Directory;
FT     File Transfer.

#### 8.3.1.4.1.1          E/M/BO/IE/Access

**Test group objective:**     Checking the IUT's reaction to an incorrect role.

**Test Purposes (E/M/BO/IE/AC):**

TCEM4E0201          Ensure that the IUT in state association regime established, on receiving a T_ACCESS Request with master role sends a T_Response_Negative. Check that the cause in the T_Response_Negative is "role refused" (Ref. ETS 300 383 [1], subclause 8.1.2.1).

#### 8.3.1.4.1.2          E/M/BO/IE/Directory

**Test group objective:**     Checking the IUT's reaction to a directory file transfer abort.

**Test Purposes (E/M/BO/IE/DI):**

TCEM4E0301          Ensure that the IUT, on receiving a file transfer abort while current directory file transfer, returns to state access regime established without displaying the file list requested (Ref. ETS 300 383 [1], subclause 7.2.1.7).

### 8.3.1.4.1.3 E/M/BO/IE/File Transfer

**Test group objective:** Checking the IUT's behaviour on receiving a Read restart request.

**Test Purposes (E/M/BO/IE/FT):**

TCEM4E0801      Ensure that the IUT -IUT as a sender- on receiving a T_Read_Restart from the tester shall terminate the transfer. Check that the IUT sends a T_P_EXCEPTION containing reason parameter encoded as "primitive not handled". (Ref. ETS 300 383 [1], subclause 8.1.2.1).

### 8.3.1.5 E/M/Services

**Test group objective:** Checking the IUT's behaviour concerning the protocol exchanges linked to the Eurofile services.

**Subgroups:**      IN    Information supplied;
                          PB    PhoneBook;
                          LB    Logbook.

### 8.3.1.5.1 E/M/SE/Information supplied

**Test group objective:** Checking the IUT's behaviour concerning the protocol exchanges linked to the display of information to the users.

**Subgroups:**      FT    File Transfer;
                          PH    Phases of communication;
                          FA    Files administration;
                          ME    Messages.

### 8.3.1.5.1.1 E/M/SE/IN/File Transfer

**Test group objective:** Checking the IUT's behaviour concerning the information display on file transfers.

**Test Purposes (E/M/SE/IN/FT):**

TCEM6N0801      Ensure that, at the interface level, the current file save operation is displayed, containing the following information: transfer direction from the IUT to the tester and the file concerned. (Ref. ETS 300 383 [1], subclause 7.2.2.1b).

TCEM6N0802      Ensure that at the IUT interface level the name of files to be sent can be selected from a list displayed. (Ref. ETS 300 383 [1], subclause 7.2.1.7).

TCEM6N0803      Ensure that at the IUT interface level the name of the file to be sent can be entered by the user. (Ref. ETS 300 383 [1], subclause 7.2.1.7).

TCEM6N0804      Ensure that at the IUT interface level an unknown name of file can not be entered.

TCEM6N0805      Ensure that multiple request on files from the IUT for save requests are managed automatically. (Ref. ETS 300 383 [1], subclause 7.2.1.7).

TCEM6N0806      Ensure that, on a multiple file save request, the transfer interrupt from the tester of one of the files will have no consequence on the following file transfer operations. (Ref. ETS 300 383 [1], subclause 7.2.1.7). TP superseded by CTP002.

TCEM6N0807      Ensure that at the IUT interface the names of the files to be loaded can be selected from the list of the remote files, received further to a file list request, and displayed. (Ref. ETS 300 383 [1], subclause 7.2.1.7 3).

TCEM6N0808          Ensure that multiple request on files from the IUT for files loading are managed automatically. (Ref. ETS 300 383 [1], subclause 7.2.1.7).

TCEM6N0809          Ensure that at the IUT interface the name of the file to be loaded can be entered by the user. (Ref. ETS 300 383 [1], subclause 7.2.1.7 3).

TCEM6N0810          Ensure that, at the interface level, the current file load operation is displayed, containing the following information: transfer direction from the tester to the IUT and the file concerned. (Ref. ETS 300 383 [1], subclause 7.2.2.1b).

TCEM6N0811          Ensure that, when the IUT is the initiator and an operation is underway, the user is able to interrupt the call. (Ref. ETS 300 383 [1], subclause 7.2.1.7b).

TCEM6N0812          Ensure that, when a file transfer is being processed and the user interrupts the call, a confirmation is displayed and requested at the IUT interface. (Ref. ETS 300 383 [1], subclause 7.2.1.7b).

### 8.3.1.5.1.2          E/M/SE/IN/Phases of communication

**Test group objective:**   Checking the IUT's behaviour concerning the information display during the phases of communication.

**Test Purposes (E/M/SE/IN/PH):**

TCEM6N1101          Ensure that a message indicating a communication abort is displayed when the communication initiated by the IUT is interrupted from the remote equipment. (Ref. ETS 300 383 [1], subclause 7.2.1.7b). TP superseded by CTP001.

TCEM6N1102          Ensure that the IUT, after having called a correspondent, displays the current status of exchanges, i.e. established call. (Ref. ETS 300 383 [1], subclause 7.2.2.1b).

TCEM6N1103          Ensure that, when a communication initiated by the IUT is established, and no operation in progress, the IUT displays a user indication when the inactivity time-out timer runs out. Check that this event is included in the logbook.(Ref. ETS 300 383 [1], subclause 7.2.2.1d).

TCEM6N1104          Ensure that, on confirmation by the user of a call interrupt the current service is interrupted and the established call terminated. (Ref. ETS 300 383 [1], subclause 7.2.1.7b). TP superseded by CTP004.

TCEM6N1105          Ensure that, on confirmation by the user of a call interrupt, a "user abort" indication is displayed. (Ref. ETS 300 383 [1], subclause 7.2.1.7b). TP superseded by CTP004.

TCEM6N1106          Ensure that the modification of the address in the static configuration is available at the IUT interface. After a modification, check that this one was taken into account. (Ref. ETS 300 383 [1], subclause 7.4.3.2).

### 8.3.1.5.1.3          E/M/SE/IN/File administration

**Test group objective:**   Checking the IUT's behaviour concerning the information display on file administration service.

**Test Purposes (E/M/SE/IN/FA):**

TCEM6N1201          Ensure that, when a communication initiated by the IUT is established and the tester does not grant authorizations for delete and rename services, the services previously quoted are not available for remote operations at the user interface. (Ref. ETS 300 383 [1], subclause 7.2.1.4). TP superseded by CTP003.

TCEM6N1202          Ensure that, when a communication initiated by the IUT is established and the tester does not grant authorizations for file list and load services, the services previously quoted are not available for remote operations at the user interface. (Ref. ETS 300 383 [1], subclause 7.2.1.4).

TCEM6N1203          Ensure that, on request of the remote file list, the list displayed at the user interface contains at least the transfer name and the file size. (Ref. ETS 300 383 [1], subclause 7.2.1.7 2).

TCEM6N1204          Ensure that at the IUT interface the names of the files to be deleted can be selected from the list of the remote files, received further to a file list request, and displayed. (Ref. ETS 300 383 [1], subclause 7.2.1.7 4).

TCEM6N1205          Ensure that multiple request on files from the IUT for remote file deleting are managed automatically. (Ref. ETS 300 383 [1], subclause 7.2.1.7).

TCEM6N1206          Ensure that at the IUT interface the name of the remote file to be deleted can be entered by the user. (Ref. ETS 300 383 [1], subclause 7.2.1.7 4).

TCEM6N1207          Ensure that at the IUT interface the names of the files to be renamed can be selected from the list of the remote files, received further to a file list request, and displayed. (Ref. ETS 300 383 [1], subclause 7.2.1.7 5).

TCEM6N1208          Ensure that multiple request on files from the IUT for files renaming are managed automatically. (Ref. ETS 300 383 [1], subclause 7.2.1.7).

TCEM6N1209          Ensure that at the IUT interface the name of the remote file to be renamed can be entered by the user. (Ref. ETS 300 383 [1], subclause 7.2.1.7 5).

TCEM6N1210          Ensure that at the IUT interface the new names of the files for renaming can be entered by the user. (Ref. ETS 300 383 [1], subclause 7.2.1.7 5).

TCEM6N1211          Ensure that after an extended directory request from the IUT, the file list displayed contains the following information on the files: transfer name, file name, file size, date of the last file update. (Ref. ETS 300 383 [1], subclause 7.3.4).

**8.3.1.5.1.4**        **E/M/SE/IN/Message**

**Test group objective:**    Checking the IUT's behaviour concerning the information display for the message service.

**Test Purposes (E/M/SE/IN/ME):**

TCEM6N1301        Ensure that, when a communication initiated by the IUT is established and the message service is implemented, it is possible to activate at the interface level the sending message service, and to enter a message. (Ref. ETS 300 383 [1], subclause 7.2.1.7c).

TCEM6N1302        Ensure that, when a communication initiated by the IUT is established, and on receiving a message from the remote entity, the message is displayed automatically without user intervention. (Ref. ETS 300 383 [1], subclause 7.2.2.1).

**8.3.1.5.2**        **E/M/SE/Phonebook**

**Test group objective:**    Checking the IUT's behaviour concerning the protocol exchanges linked to the phonebook administration.

**Subgroups:**        PH    Phases of communication.

**8.3.1.5.2.1**        **E/M/SE/PB/Phases of communication**

**Test group objective:**    Checking the IUT's behaviour concerning the phonebook administration linked to the phases of communication.

**Test Purposes (E/M/SE/PB/PH):**

TCEM6P1101        Ensure that the user can call a correspondent, after having selected the name of the correspondent in the Correspondent PhoneBook. (Ref. ETS 300 383 [1], subclause 7.2.1.1).

**8.3.1.5.3**        **E/M/SE/Logbook**

**Test group objective:**    Checking the IUT's behaviour concerning the protocol exchanges linked to the logbook.

**Subgroups:**        FT    File Transfer;
                 PH    Phases of communication;
                 FA    Files administration;
                 ME    Messages.

**8.3.1.5.3.1**        **E/M/SE/LB/File Transfer**

**Test group objective:**    Checking the IUT's behaviour concerning the logbook information stored on file transfers.

**Test Purposes (E/M/SE/LB/FT):**

TCEM6L0801        Ensure that all the file transfer operations are mentioned in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2). TP superseded by CTP002.

### 8.3.1.5.3.2 E/M/SE/LB/Phases of communication

**Test group objective:** Checking the IUT's behaviour concerning the logbook information stored during the phases of communication.

**Test Purposes (E/M/SE/LB/PH):**

TCEM6L1101 Check that the trace of the communication abort from the remote equipment is stored in the logbook. (Ref. ETS 300 383 [1], subclause 7.2.1.7b). TP superseded by CTP001.

TCEM6L1102 Ensure that, when a communication initiated by the IUT is established, and after having terminated the communication by a end-of-call command, the end-of-call event is included in the logbook as well as the IUT as an initiator of the end-of-call. (Ref. ETS 300 383 [1], subclause 7.4.1.2).

TCEM6L1103 Ensure that, on confirmation by the user of a call interrupt, the cleardown of the call and the initiator are indicated in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1). TP superseded by CTP004.

### 8.3.1.5.3.3 E/M/SE/LB/File administration

**Test group objective:** Checking the IUT's behaviour concerning the logbook information stored on file administration service.

**Test Purposes (E/M/SE/LB/FA):**

TCEM6L1201 Ensure that, after having received the file list from the remote entity, the exchanges are displayed in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2). TP superseded by CTP003.

### 8.3.1.5.3.4 E/M/SE/LB/Message

**Test group objective:** Checking the IUT's behaviour concerning the logbook information stored for the message service.

**Test Purposes (E/M/SE/LB/ME):**

TCEM6L1301 Ensure that, when a communication initiated by the IUT is established and the IUT has sent a message, this event is included in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2).

TCEM6L1302 Ensure that, when a communication initiated by the IUT is established, and after having received a message from the remote entity, the content of the incoming message is included in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2).

### 8.3.2 IUT as a Slave

**Test group objective:** This test group is to test the action of an IUT when the Slave.

**Subgroups:**
| | |
|---|---|
| CA | Capability tests; |
| BV | Valid Behaviour Tests; |
| BI | Invalid Behaviour Tests; |
| BO | Inopportune Behaviour Tests; |
| TI | Timer. |

#### 8.3.2.1 E/S/Capability tests

**Test group objective:** To test functional capability of the IUT. It is structured according to functional units.

**Subgroups:**
| | |
|---|---|
| AS | Association; |
| DI | Directory; |
| FT | File Transfer; |
| TD | Typed Data. |

##### 8.3.2.1.1 E/S/CA/Association

**Test group objective:** Checking that the IUT is able to enter association regime with:

- a correct incoming calling address.

**Test Purposes (E/S/CA/AS):**

TCES2_0101 Ensure that the IUT shall enter association regime in symmetrical service, on receiving a T_ASSOCIATE Request containing a correct incoming calling address. (Ref. ETS 300 383 [1], subclause 8.1.1.1).

##### 8.3.2.1.2 E/S/CA/Access

**Test group objective:** Checking that the IUT is able to enter access regime with Eurofile appropriate parameters.

**Test Purposes (E/S/CA/AC):**

TCES2_0201 Ensure that the IUT in state association regime established, on receiving from the tester a T_ACCESS Request with appropriate parameters, sends a T_ACCESS Response Positive and enters access regime. Check that the IUT responds with Eurofile appropriate parameters. (Ref. ETS 300 383 [1], subclause 8.1.2.2).

##### 8.3.2.1.3 E/S/CA/Directory

**Test group objective:** Checking the IUT's reaction to extended directory request.

**Test Purposes (E/S/CA/DI):**

TCES2_0301 Ensure that the IUT responds correctly on receiving a T_DIRECTORY Request with appropriate parameters. Check that the directory file sent contains private fields encoded correctly. (Ref. ETS 300 075 [13], subclause 7.3.4).

TCES2_0302 Ensure that the IUT responds correctly on receiving a T_DIRECTORY Request containing user data parameter encoded with "extended directory request". Check that the IUT shall be able to send a T_Response_Positive if this extended format is provided. (Ref. ETS 300 383 [1], subclause 7.3.4).

### 8.3.2.1.4 E/S/CA/File Transfer

**Test group objective:** Checking that the IUT is able to perform a file transfer with recommended parameters.

**Test Purposes (E/S/CA/FT):**

TCES2_0801 Ensure that the IUT is able to send a file with anticipation window and block size set to the Eurofile recommended values. Check that the parameters are respected in the transfer. (Ref. ETS 300 383 [1], subclause 8.1.5).

### 8.3.2.1.5 E/S/CA/Typed Data

**Test group objective:** Checking that the IUT is able to send a message.

**Test Purposes (E/S/CA/TD):**

TCES2_0901 Ensure that the IUT is able to send a T_TYPED_DATA Request. Check that the character set used in transmission conforms to Eurofile specifications. (Ref. ETS 300 383 [1], subclause 8.1.4.1).

### 8.3.2.1.6 E/S/CA/Navigation

**Test group objective:** Checking the capability of the IUT to perform the following operations of the navigation mode:

- list of filestores from outside navigation service;
- sub-list of filestores from outside navigation service;
- select a filestore;
- send a list of filestores;
- sub-list of filestores;
- filestore name checking;
- exit from navigation service.

**Test Purposes (E/S/CA/NA):**

TCES2_1001 Ensure that the IUT is able to send the list of filestores on receiving a request from the tester from outside navigation service. Check the content of the corresponding file sent by the IUT (Ref. ETS 300 383 [1], subclause 7.3.5.3a).

TCES2_1002 Ensure that the IUT is able to send the sub-list of filestores on receiving a request from the tester from outside navigation service. Check the content of the corresponding file sent by the IUT (Ref. ETS 300 383 [1], subclause 7.3.5.3b).

TCES2_1003 Ensure that the IUT, from outside navigation service, is able to select a filestore on receiving such a valid request from the tester. Check that the filestore selected is the one requested (Ref. ETS 300 383 [1], subclause 7.3.5.3c).

TCES2_1004 Ensure that the IUT, in navigation service, is able to send the list of filestores on receiving a request of filestore list. Check that the content of the corresponding file sent by the IUT conforms to Eurofile specifications (Ref. ETS 300 383 [1], subclause 7.3.5.3).

TCES2_1005 Ensure that the IUT, in navigation service, is able to send the sub-list of filestores on receiving a request of filestore sub-list. Check that the content of the corresponding file sent by the IUT conforms to Eurofile specifications (Ref. ETS 300 383 [1], subclause 7.3.5.3b).

TCES2_1006 Ensure that the IUT, in navigation service, is able to send the name of the current filestore, on receiving a request for checking the name of the current filestore. Check that the name sent is the name of the filestore selected (Ref. ETS 300 383 [1], subclause 7.3.5.3d).

TCES2_1007                Ensure that the IUT, in navigation service, is able to exit from the navigation service and return to the Single Filestore service. Check that the IUT sends a T_Response_Positive (Ref. ETS 300 383 [1], subclause 7.3.5.3e).

## 8.3.2.2          E/S/Valid Behaviour Tests (BV)

**Test group objective:**   Checking the following conformance areas for the Slave.

**Subgroups:**          PI      Protocol Interactions;
                        PV      Parameter Variations;
                        PC      Parameter Combinations;
                        IE      Inopportune Event.

### 8.3.2.2.1          E/S/BV/Protocol Interactions (PI)

**Test group objective:**   Checking the valid behaviour subgrouped by functional units. Where no tests have been identified for a functional unit its name has been omitted.

**Subgroups:**          AC      Access;
                        FT      File Transfer;
                        NA      Navigation.

#### 8.3.2.2.1.1          E/S/BV/PI/Access

**Test group objective:**   Checking the access parameters and the transmitted causes.

**Test Purposes (E/S/BV/PI/AC):**

TCES3I0201                Ensure that the IUT shall enter access regime on receiving a T_ACCESS Request. Check that the functions authorized in T_Response Positive correspond to the entitlements granted to the corresponding identifier in the access control list (Ref. ETS 300 383 [1], subclause 7.2.1.7).

TCES3I0202                Ensure that the IUT in access regime is able to terminate the communication. Check that the cause generated in the T_END_ACCESS is "user interrupt of communication" (Ref. ETS 300 383 [1], subclause 7.2.1.5).

#### 8.3.2.2.1.2          E/S/BV/PI/File Transfer

**Test group objective:**   Checking that the IUT, on file transfer, is able to:

-       send a file with the parameters set to Eurofile recommended values;
-       re-send a file received;
-       receive a file containing only one parameter in its header;
-       receive a file containing an empty header;
-       receive a compressed file in basic compression mode;
-       receive a compressed file in high efficiency compression mode;
-       receive a compressed file in application defined compression mode;
-       receive a file containing the file checksum parameter.

**Test Purposes (E/S/BV/PI/FT):**

TCES3I0801                Ensure that the IUT is able to send a file with anticipation window and block size set to the Eurofile recommended values. Check that the header of the file received is correctly encoded. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCES3I0802                Ensure that the IUT is able to re-send a file which was transmitted to the IUT by the tester. Check that the file is correctly transmitted to the tester (Ref. ETS 300 075 [13], subclause 6.2.12.2).

TCES3I0803    Ensure that the IUT is able to accept a file on receiving a file where the header contains only the parameter file name. Check that the IUT receives the file completely and correctly. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCES3I0804    Ensure that the IUT is able to accept a file on receiving a file where the header is empty. Check that the IUT receives the file completely and correctly. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCES3I0805    Ensure that the IUT is able to accept a file on receiving a file containing the compression parameter indicating that the basic compression mode is used in its header. Check that the IUT receives the file completely and correctly and performs the uncompression on reception. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCES3I0806    Ensure that the IUT is able to accept a file on receiving a file containing the compression parameter indicating that the high efficiency compression mode is used in its header. Check that the IUT receives the file completely and correctly and performs the uncompression on reception. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCES3I0807    Ensure that the IUT is able to accept a file on receiving a file containing the compression parameter indicating that the application defined compression mode is used in its header. Check that the IUT receives the file completely and correctly and performs the uncompression on reception. (Ref. ETS 300 383 [1], subclause 8.2.1).

TCES3I0808    Ensure that the IUT is able to accept a file on receiving a file containing the checksum parameter coded for the file transmitted. Check that the IUT receives the file completely and correctly and performs the calculation of the checksum on reception. (Ref. ETS 300 075 [13], subclause 7.3.2.17).

### 8.3.2.2.1.3    E/S/BV/PI/Navigation

**Test group objective:**  Checking that the IUT is able to:

-  respond correctly, on receiving a directory request;
-  receive a file in the current filestore;
-  send the content of the navigation area form outside navigation service.

**Test Purposes (E/S/BV/PI/NA):**

TCES3I1001    Ensure that the IUT, in navigation service, is able to respond correctly, on receiving a directory request. Check that the file sent contains all the file names of the current filestore (Ref. ETS 300 383 [1], subclause 7.3.5.3a).

TCES3I1002    Ensure that the IUT, in navigation service, is able to receive a file in the current filestore. Check, through a directory request, that the file was correctly received (Ref. ETS 300 383 [1], subclause 7.3.5.3d).

TCES3I1003    Ensure that the IUT, from outside navigation service, is able to send the content of the navigation area on receiving a T_DIRECTORY Request. Check that the file sent contains all the files of the different filestores of the navigation area (Ref. ETS 300 383 [1], subclause 8.1.3.3).

### 8.3.2.2.2    E/S/BV/Parameter Variations (PV)

**Test group objective:**  Checking the valid behaviour concerning parameter variations. Where no tests have been identified for a functional unit its name has been omitted.

**Subgroups:**    AS  Association;
           AC  Access;
           DI  Directory;

SA   Save;
RE   Rename.

### 8.3.2.2.2.1          E/S/BV/PV/AS

**Test group objective:**   Checking the valid behaviour of the IUT when entering association regime with:

- service class parameter encoded as "two categories of services offered";
- with an explicit request of identification;
- with an identification containing only a name;
- with an identification containing a correct name but absent password when requested;
- with an identification containing correct name and password;
- with an identification containing correct name but wrong password;
- with an empty identification parameter in case entitlements are granted to non-identified callers;
- with an empty identification parameter in case entitlements are not granted to non-identified callers;
- with an unaccepted identification.

**Test Purposes (E/S/BV/PV/AS):**

TCES3V0101      Ensure that the IUT shall enter association regime in symmetrical service, on receiving a T_ASSOCIATE Request with service class parameter encoded as "two categories of services offered". (Ref. ETS 300 383 [1], subclause 8.1.1.1).

TCES3V0102      Ensure that the IUT shall enter association regime in symmetrical service, on receiving a T_ASSOCIATE Request with an explicit request of identification. Check that the identifier is present in the T_Response Positive. (Ref. ETS 300 383 [1], subclause 8.1.1.1).

TCES3V0103      Ensure that the IUT shall enter association regime in symmetrical service, on receiving a T_ASSOCIATE Request containing an identification parameter encoded with a name and no password, when this identification is accepted by the IUT, and defined in the access control list with the same name and no password. (Ref. ETS 300 383 [1], subclause 7.2.1.3b).

TCES3V0104      Ensure that the IUT shall refuse association regime, on receiving a T_ASSOCIATE Request containing an identification parameter encoded with a name and a password, when the corresponding identification in the access control list contains the same name but password is absent. Check that the cause indicated in the T_Response_Negative is "identifier rejected". (Ref. ETS 300 383 [1], subclause 7.2.1.3b).

TCES3V0105      Ensure that the IUT shall enter association regime in symmetrical service, on receiving a T_ASSOCIATE Request containing an identification parameter encoded with a name and a password, when this identification is accepted by the IUT, and defined in the access control list with the same name and password. (Ref. ETS 300 383 [1], subclause 7.2.1.3b).

TCES3V0106      Ensure that the IUT shall refuse association regime, on receiving a T_ASSOCIATE Request containing an identification parameter encoded with a name and a password, when the corresponding identification in the access control list contains the same name but a different password. Check that the cause indicated in the T_Response_Negative is "identifier rejected". (Ref. ETS 300 383 [1], subclause 7.2.1.3b).

TCES3V0107      Ensure that the IUT shall refuse association regime, on receiving a T_ASSOCIATE Request containing an identification parameter encoded with a name but no password, when the corresponding identification in the access control list contains the same name but also a password. Check that the cause indicated in the T_Response_Negative is "identifier rejected". (Ref. ETS 300 383 [1], subclause 7.2.1.3b).

TCES3V0108                  Ensure that the IUT shall enter association regime in symmetrical service, if the
                            IUT grants entitlements to non-identified callers, on receiving a T_ASSOCIATE
                            Request encoded with an empty identification parameter. (Ref. ETS 300 383 [1],
                            subclause 7.2.1.3b).

TCES3V0109                  Ensure that the IUT shall refuse association regime in symmetrical service, if the
                            IUT does not grant entitlements to non-identified callers, on receiving a
                            T_ASSOCIATE Request encoded with an empty identification parameter. Check
                            that the cause indicated in the T_Response_Negative is "identifier rejected".
                            (Ref. ETS 300 383 [1], subclause 7.2.1.3b).

TCES3V0110                  Ensure that the IUT shall enter association regime in symmetrical service, if the
                            IUT grants entitlements to non-identified callers, on receiving a T_ASSOCIATE
                            Request encoded with an unaccepted identification. (Ref. ETS 300 383 [1],
                            subclause 7.2.1.3b).

### 8.3.2.2.2.2          E/S/BV/PV/Access

**Test group objective:**   Checking that the IUT is able to enter access regime with:

-       minimum block size and minimum anticipation window value;
-       block size greater than recommended and maximum anticipation window
        value.

**Test Purposes (E/S/BV/PV/AC):**

TCES3V0201                  Ensure that the IUT shall enter access regime on receiving a T_ACCESS
                            Request with minimum block size and minimum anticipation window value.
                            Check that the parameters in the T_Response Positive conform to Eurofile
                            specifications. (Ref. ETS 300 383 [1], subclause 8.1.2.1).

TCES3V0202                  Ensure that the IUT shall enter access regime on receiving a T_ACCESS
                            Request with block size greater than recommended and maximum anticipation
                            window value. Check that the parameters in the T_Response Positive conform
                            to Eurofile specifications. (Ref. ETS 300 383 [1], subclause 8.1.2.1).

**8.3.2.2.2.3**        **E/S/BV/PV/Directory**

**Test group objective:**   Checking that the IUT sends the correct directory file on receiving different directory requests based on designation syntactical variations. Those tests will be based on a stable filestore content, and will check that the IUT meet the following criterias:

- letter and joker;
- word and joker;
- word and joker with parenthesis;
- longest keyword;
- logical OR between two words;
- logical AND between two words;
- simple word;
- non existing word.

**Test Purposes (E/S/BV/PV/DI):**

TCES3V0301        Ensure that the IUT shall send the directory file containing all the files of the filestore on receiving a T_DIRECTORY Request where designation parameter is encoded with characters (letter + joker) which are common to all file names. (Ref. ETS 300 075 [13], subclause 5.7).

TCES3V0302        Ensure that the IUT shall send the directory file containing the appropriate file names on receiving a T_DIRECTORY Request where designation parameter is encoded with a word composed of several letters and one joker. (Ref. ETS 300 075 [13], subclause 5.7).

TCES3V0303        Ensure that the IUT shall send the directory file containing the appropriate file names on receiving a T_DIRECTORY Request where designation parameter is encoded with a word composed of parenthesis, several letters and one joker. (Ref. ETS 300 075 [13], subclause 5.7).

TCES3V0304        Ensure that the IUT shall send the directory file containing the appropriate file names on receiving a T_DIRECTORY Request where designation parameter is encoded with a word composed of the longest keyword where the last letter is replaced with a joker. (Ref. ETS 300 075 [13], subclause 5.7).

TCES3V0305        Ensure that the IUT shall send the directory file containing the appropriate file names on receiving a T_DIRECTORY Request where designation parameter is encoded with a logical OR between two words containing each a joker. (Ref. ETS 300 075 [13], subclause 5.7).

TCES3V0306        Ensure that the IUT shall send the directory file containing the appropriate file names on receiving a T_DIRECTORY Request where designation parameter is encoded with a logical AND between two words containing each a joker. (Ref. ETS 300 075 [13], subclause 5.7).

TCES3V0307        Ensure that the IUT shall send the directory file containing the appropriate file names on receiving a T_DIRECTORY Request where designation parameter is encoded with one word without any joker. (Ref. ETS 300 075 [13], subclause 5.7).

**8.3.2.2.2.4**        **E/S/BV/PV/Save**

**Test group objective:**   Checking the valid behaviour of the IUT on a save reception:

- with correct designation;
- with reserved file name, but navigation service is not supported.

**Test Purposes (E/S/BV/PV/SA):**

TCES3V0401          Ensure that the IUT responds correctly on receiving a T_SAVE Request containing a designation encoded with a value covering all syntactically extreme cases as: keywords maximum number, maximum size of a keyword, maximum size of the designation, from the ITU-T Recommendation T.51 [14] character set. (Ref. ETS 300 383 [1], subclause 8.1.3.1).

TCES3V0402          Ensure that the IUT, when not supporting navigation service, shall refuse the request on receiving a T_SAVE Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/SELECT". Check that the IUT sends a T_Response_Negative with reason parameter encoded as "erroneous designation" (Ref. ETS 300 383 [1], subclause 8.1.3.1).

### 8.3.2.2.2.5          E/S/BV/PV/Load

**Test group objective:**    Checking the valid behaviour of the IUT on a load reception with reserved file name, but navigation service is not supported.

**Test Purposes (E/S/BV/PV/LO):**

TCES3V0501          Ensure that the IUT, when not supporting navigation service, shall not send a file on receiving a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/LIST". Check that the IUT sends a T_Response_Negative with reason parameter encoded as "erroneous designation" (Ref. ETS 300 383 [1], subclause 8.1.3.2).

TCES3V0502          Ensure that the IUT responds correctly on receiving a T_LOAD Request containing a designation encoded with a value covering all syntactically extreme cases as: keywords maximum number, maximum size of a keyword, maximum size of the designation, from the ITU-T Recommendation T.51 [14] character set. (Ref. ETS 300 383 [1], subclause 8.1.3.2).

### 8.3.2.2.2.6          E/S/BV/PV/Rename

**Test group objective:**    Checking the valid behaviour of the IUT on a rename reception with a correct new name designation.

**Test Purposes (E/S/BV/PV/RE):**

TCES3V0601          Ensure that the IUT responds correctly on receiving a T_RENAME Request containing the new name encoded with a value covering all syntactically extreme cases as: keywords maximum number, maximum size of a keyword, maximum size of the designation, from the ITU-T Recommendation T.51 [14] character set. (Ref. ETS 300 383 [1], subclause 8.1.3.5).

### 8.3.2.2.3          E/S/BV/Parameter Combinations (PC)

**Test group objective:**    Checking the valid behaviour concerning parameter combinations. Where no tests have been identified for a functional unit its name has been omitted.

**Subgroups:**          DI    Directory.

### 8.3.2.2.3.1          E/S/BV/PC/Directory

**Test group objective:**    Checking the valid behaviour of the IUT on receiving extended directory requests.

**Test Purposes (E/S/BV/PC/DI):**

TCES3C0301          Ensure that the IUT responds correctly on receiving a T_DIRECTORY Request
                    for extended directory. Check that the directory file sent contains the correct
                    attributes of an extended directory. (Ref. ETS 300 383 [1], subclause 7.3.4).

TCES3C0302          Ensure that the IUT responds correctly on receiving a T_DIRECTORY Request
                    containing user data parameter encoded with "extended directory request" and
                    user data. Check that the IUT shall be able to send a T_Response_Positive if
                    this extended format is provided. (Ref. ETS 300 383 [1], subclause 7.3.4).

TCES3C0303          Ensure that the IUT, when extended directory is not handled, on receiving a
                    T_DIRECTORY Request containing extended directory request sends a
                    T_Response_Negative containing reason encoded as "extended format not
                    available". (Ref. ETS 300 383 [1], subclause 7.3.4).

### 8.3.2.2.4          E/S/BV/Inopportune Event (IE)

**Test group objective:**   Checking the valid behaviour subgrouped by functional units. Where no tests
                    have been identified for a functional unit its name has been omitted.

**Subgroups:**        FT    File Transfer;
                    NA    Navigation.

### 8.3.2.2.4.1          E/S/BV/IE/File Transfer

**Test group objective:**   Checking that the IUT, while performing a file transfer, is able to:

-        abort the file transfer;
-        interrupt the communication;
-        abort the file transfer when the tester is the sender;
-        interrupt the communication when the tester is the sender.

**Test Purposes (E/S/BV/IE/FT):**

TCES3E0801          Ensure that the IUT is able to abort a file transfer while performing it as a
                    sender. Check that the IUT sends a T_Transfer_Reject with reason encoded as
                    "user abort" and returns to access regime established (Ref. ETS 300 383 [1],
                    subclause 8.1.6.1).

TCES3E0802          Ensure that the IUT is able to interrupt a communication while performing a file
                    transfer as a sender. Check that the IUT terminates all the regimes (transfer,
                    access, association) before the release of the communication (Ref.
                    ETS 300 383 [1], subclause 8.1.6.1).

TCES3E0803          Ensure that the IUT is able to abort a file transfer while the tester is performing it
                    as a sender. Check that the IUT sends a T_Transfer_Reject with reason
                    encoded as "user abort" and returns to access regime established (Ref.
                    ETS 300 383 [1], subclause 8.1.6.1).

TCES3E0804          Ensure that the IUT is able to interrupt a communication while the tester is
                    performing the file transfer as a sender. Check that the IUT terminates all the
                    regimes (transfer, access, association) before the release of the
                    communication. The reason indicated in T_Transfer_Reject shall be "user abort"
                    (Ref. ETS 300 383 [1], subclause 8.1.6.1).

### 8.3.2.2.4.2 E/S/BV/IE/Navigation

**Test group objective:** Checking the valid behaviour in the following cases:

- use of reserved names from outside navigation service on Load requests;
- use of reserved names from outside navigation service on Save requests;
- use of reserved names in navigation service on Load requests;
- use of reserved names in navigation service on Save requests.

**Test Purposes (E/S/BV/IE/NA):**

TCES3E1001          Ensure that the IUT, from outside navigation service, shall not send a file on receiving a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/SELECT". Check that the IUT sends a T_Response_Negative with result parameter encoded as "unknown file" (Ref. ETS 300 383 [1], subclause 7.3.5.5.1).

TCES3E1002          Ensure that the IUT, in navigation service, shall not send a file on receiving a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/SELECT". Check that the IUT sends a T_Response_Negative with result parameter encoded as "unknown file" (Ref. ETS 300 383 [1], subclause 7.3.5.5.1).

TCES3E1003          Ensure that the IUT, from outside navigation service, shall refuse the request on receiving a T_SAVE Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/LIST". Check that the IUT sends a T_Response_Negative with result parameter encoded as "erroneous designation" (Ref. ETS 300 383 [1], subclause 7.3.5.5.1).

TCES3E1004          Ensure that the IUT, in navigation service, shall refuse the request on receiving a T_SAVE Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/LIST". Check that the IUT sends a T_Response_Negative with result parameter encoded as "erroneous designation" (Ref. ETS 300 383 [1], subclause 7.3.5.5.1).

TCES3E1005          Ensure that the IUT, from outside navigation service, shall refuse the request on receiving a T_LOAD Request containing designation parameter encoded as "EUROSFT92/NAVIGATION/S-FILESTORE" Check that the IUT sends a T_Response_Negative with result parameter encoded as "erroneous designation" (Ref. ETS 300 383 [1], subclause 7.3.5.3d).

TCES3E1006          Ensure that the IUT, in navigation service, shall not send a file on receiving a T_LOAD Request containing the designation of a non-existing file in the filestore. Check that the IUT sends a T_Response_Negative with result encoded as "unknown file" (Ref. ETS 300 075 [13], subclause 6.2.7.1).

### 8.3.2.3 E/S/Invalid Behaviour Tests (BI)

**Test group objective:** Checking the IUT's reaction to semantically invalid events.

**Subgroups:**          PV    Parameter Variations.

**8.3.2.3.1** **E/S/BI/Parameter Variations (PV)**

**Test group objective:** Checking the IUT's behaviour to semantically invalid events concerning parameter variations.

**Subgroups:**
|    |                |
|----|----------------|
| AS | Association;   |
| AC | Access;        |
| DI | Directory;     |
| SA | Save;          |
| LO | Load;          |
| RE | Rename;        |
| DE | Delete;        |
| FT | File Transfer; |
| TD | Typed Data;    |
| NA | Navigation.    |

**8.3.2.3.1.1** **E/S/BI/PV/Association**

**Test group objective:** Checking the IUT's reaction to semantically invalid PDUs, while establishing the association regime, containing:

- an identification parameter encoded with a keyword too many;
- an unaccepted identifier;
- a syntactical error in the identification;
- an erroneous keyword length.

**Test Purposes (E/S/BI/PV/AS):**

TCES5V0101      Ensure that the IUT shall enter association regime in symmetrical service, on receiving a T_ASSOCIATE Request with an identification parameter encoded with a keyword too many. Check that the third keyword has no influence on the protocol exchange. (Ref. ETS 300 383 [1], subclause 8.1.1.1).

TCES5V0102      Ensure that the IUT shall refuse association regime in symmetrical service, on receiving a T_ASSOCIATE Request with an unaccepted identifier when the access control list does not grant entitlements to callers who have not been identified. Check that the cause indicated in the T_Response Negative is "identifier rejected". (Ref. ETS 300 383 [1], subclause 8.1.1.1).

TCES5V0103      Ensure that the IUT terminates association regime on receiving a T_ASSOCIATE Request containing an identification encoded with a syntactical error corresponding to two consecutive slashes. (Ref. ETS 300 383 [1], subclause 8.1.1.1).

TCES5V0104      Ensure that the IUT terminates association regime on receiving a T_ASSOCIATE Request containing an identification encoded with a syntactical error corresponding to a keyword length exceeding 12 characters. (Ref. ETS 300 383 [1], subclause 8.1.1.1).

### 8.3.2.3.1.2      E/S/BI/PV/Access

**Test group objective:**    Checking the IUT's reaction on an access regime establishment error.

**Test Purposes (E/S/BI/PV/AC):**

TCES5V0201      Ensure that the IUT terminates association on receiving a T_ACCESS Request with an erroneous length on user data parameter (Ref. ETS 300 383 [1], subclause 8.1.2.1).

TCES5V0202      Ensure that the IUT shall terminate association regime on receiving a T_ACCESS Request with an incorrect anticipation window size. (Ref. ETS 300 383 [1], subclause 8.1.2.1).

### 8.3.2.3.1.3      E/S/BI/PV/Directory

**Test group objective:**    Checking the IUT's reaction to incorrect designation in T_Directory, that is to say:

-     two successive OR operators;
-     successive OR and AND operators;
-     too many parenthesis.

**Test Purposes (E/S/BI/PV/DI):**

TCES5V0301      Ensure that the IUT responds correctly on receiving a T_DIRECTORY Request containing a designation encoded with two successive OR logical operators. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association. (Ref. ETS 300 075 [13], subclause 5.7).

TCES5V0302      Ensure that the IUT responds correctly on receiving a T_DIRECTORY Request containing a designation encoded with two successive OR and AND logical operators. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association. (Ref. ETS 300 075 [13], subclause 5.7).

TCES5V0303                       Ensure that the IUT responds correctly on receiving a T_DIRECTORY Request containing a designation encoded with an extra parenthesis. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association. (Ref. ETS 300 075 [13], subclause 5.7).

### 8.3.2.3.1.4          E/S/BI/PV/Save

**Test group objective:**   Checking the IUT's reaction to semantically invalid PDUs, on save request reception, containing a designation encoded with:

- with a keyword in excess of permitted length;
- a keyword too many;
- invalid characters;
- a name in excess of permitted length.

**Test Purposes (E/S/BI/PV/SA):**

TCES5V0401                       Ensure that the IUT responds correctly on receiving a T_SAVE Request containing a designation encoded with a keyword in excess of permitted length. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.1).

TCES5V0402                       Ensure that the IUT responds correctly on receiving a T_SAVE Request containing a designation encoded with a keyword too many. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.1).

TCES5V0403                       Ensure that the IUT responds correctly on receiving a T_SAVE Request containing a designation encoded with invalid characters. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.1).

TCES5V0404                       Ensure that the IUT responds correctly on receiving a T_SAVE Request containing a designation encoded with a name in excess of permitted length. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.1).

### 8.3.2.3.1.5          E/S/BI/PV/Load

**Test group objective:**   Checking the IUT's reaction to semantically invalid PDUs, on load request reception, containing a designation encoded with:

- a keyword in excess of permitted length;
- a keyword too many;
- invalid characters;
- a name in excess of permitted length.

**Test Purposes (E/S/BI/PV/LO):**

TCES5V0501          Ensure that the IUT responds correctly on receiving a T_LOAD Request containing a designation encoded with a keyword in excess of permitted length. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.2).

TCES5V0502          Ensure that the IUT responds correctly on receiving a T_LOAD Request containing a designation encoded with a keyword too many. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.2).

TCES5V0503          Ensure that the IUT responds correctly on receiving a T_LOAD Request containing a designation encoded with invalid characters. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.2).

TCES5V0504          Ensure that the IUT responds correctly on receiving a T_LOAD Request containing a designation encoded with a name in excess of permitted length. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.2).

### 8.3.2.3.1.6          E/S/BI/PV/Rename

**Test group objective:**    Checking that the IUT shall not rename the file on receiving a request with:

-          an erroneous length on user data parameter;
-          a keyword in excess of permitted length in the new name;
-          a keyword too many in the new name;
-          invalid characters in the new name;
-          a name in excess of permitted length in the new name.

**Test Purposes (E/S/BI/PV/RE):**

TCES5V0601          Ensure that the IUT does not rename the file on receiving a T_RENAME
                    Request containing an erroneous length on user data parameter. Check that the
                    IUT sends a T_P_Exception or terminates association regime (Ref. ETS 300
                    383 [1], subclause 8.1.3.5).

TCES5V0602          Ensure that the IUT responds correctly on receiving a T_RENAME Request
                    containing new name parameter encoded with a keyword in excess of permitted
                    length. Check that the IUT sends a T_Response Negative containing cause
                    parameter encoded as "erroneous designation" or a T_P_Exception or
                    terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.5).

TCES5V0603          Ensure that the IUT responds correctly on receiving a T_RENAME Request
                    containing new name parameter encoded with a keyword too many. Check that
                    the IUT sends a T_Response Negative containing cause parameter encoded as
                    "erroneous designation" or a T_P_Exception or terminates association (Ref.
                    ETS 300 383 [1], subclause 8.1.3.5).

TCES5V0604          Ensure that the IUT responds correctly on receiving a T_RENAME Request
                    containing new name parameter encoded with invalid characters. Check that the
                    IUT sends a T_Response Negative containing cause parameter encoded as
                    "erroneous designation" or a T_P_Exception or terminates association (Ref.
                    ETS 300 383 [1], subclause 8.1.3.5).

TCES5V0605          Ensure that the IUT responds correctly on receiving a T_RENAME Request
                    containing new name parameter encoded with a name in excess of permitted
                    length. Check that the IUT sends a T_Response Negative containing cause
                    parameter encoded as "erroneous designation" or a T_P_Exception or
                    terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.5).

### 8.3.2.3.1.7          E/S/BI/PV/Delete

**Test group objective:**     Checking the IUT's reaction to the following erroneous designation in the delete
                              request:

                    -     a keyword in excess of permitted length;
                    -     a keyword too many;
                    -     invalid characters;
                    -     a name in excess of permitted length.

**Test Purposes (E/S/BI/PV/DE):**

TCES5V0701          Ensure that the IUT responds correctly on receiving a T_DELETE Request
                    containing a designation encoded with a keyword in excess of permitted length.
                    Check that the IUT sends a T_Response Negative containing cause parameter
                    encoded as "erroneous designation" or a T_P_Exception or terminates
                    association (Ref. ETS 300 383 [1], subclause 8.1.3.4).

TCES5V0702          Ensure that the IUT responds correctly on receiving a T_DELETE Request
                    containing a designation encoded with a keyword too many. Check that the IUT
                    sends a T_Response Negative containing cause parameter encoded as
                    "erroneous designation" or a T_P_Exception or terminates association (Ref.
                    ETS 300 383 [1], subclause 8.1.3.4).

TCES5V0703          Ensure that the IUT responds correctly on receiving a T_DELETE Request
                    containing a designation encoded with invalid characters. Check that the IUT
                    sends a T_Response Negative containing cause parameter encoded as
                    "erroneous designation" or a T_P_Exception or terminates association (Ref.
                    ETS 300 383 [1], subclause 8.1.3.4).

TCES5V0704          Ensure that the IUT responds correctly on receiving a T_DELETE Request containing a designation encoded with a name in excess of permitted length. Check that the IUT sends a T_Response Negative containing cause parameter encoded as "erroneous designation" or a T_P_Exception or terminates association (Ref. ETS 300 383 [1], subclause 8.1.3.4).

### 8.3.2.3.1.8          E/S/BI/PV/Typed Data

**Test group objective:**  Checking the IUT's reaction on receiving a message containing incorrect characters.

**Test Purposes (E/S/BI/PV/TD):**

TCES5V0901          Ensure that the IUT, in state access regime established, on receiving a T_TYPED_DATA Request containing user data encoded with characters outside authorised ITU-T Recommendation T.51 [14] set of characters or terminates association regime (Ref. ETS 300 383 [1], subclause 8.1.4.1).

### 8.3.2.3.1.9          E/S/BI/PV/Navigation

**Test group objective:**  Checking the IUT's reaction on receiving a filestore selection request containing:

-          a correct but non-existing filestore name;
-          designation in excess of permitted length;
-          filestore name encoded with two filestore names.

**Test Purposes (E/S/BI/PV/NA):**

TCES5V1001          Ensure that the IUT shall not select a filestore on receiving a filestore selection request containing a correct but non-existing filestore name. Check that the IUT sends a T_Response_Negative with result indicating "erroneous designation" (Ref. ETS 300 383 [1], subclause 7.3.5.3c).

TCES5V1002          Ensure that the IUT shall not select a filestore on receiving a filestore selection request containing a filestore name encoded with two filestores names. Check that the IUT sends a T_Response_Negative with result indicating "erroneous designation" (Ref. ETS 300 383 [1], subclause 7.3.5.3c).

### 8.3.2.4          E/S/Inopportune Behaviour Tests (BO)

**Test group objective:**  Checking the IUT's reaction to inopportune events.

**Subgroups:**          IE     Inopportune Event.

### 8.3.2.4.1          E/S/BO/Inopportune Event (IE)

**Test group objective:**  Checking the IUT's behaviour to semantically invalid events concerning parameter variations.

**Subgroups:**          FT     File Transfer.

### 8.3.2.4.1.1          E/S/BO/IE/FT

**Test group objective:**  Checking the IUT's behaviour on receiving a read restart request.

**Test Purposes (E/S/BO/IE/FT):**

TCES4E0801          Ensure that the IUT, as a sender, on receiving a T_Read_Restart from the
                    tester shall terminate the transfer. Check that the IUT sends a
                    T_P_EXCEPTION containing reason parameter encoded as "primitive not
                    handled" (Ref. ETS 300 383 [1], subclause 8.1.2.1).

### 8.3.2.5          E/S/Services

**Test group objective:** Checking the IUT's behaviour concerning the protocol exchanges linked to the
                    Eurofile services.

**Subgroups:**       IN     Information supplied;
                    PB     PhoneBook;
                    LB     Logbook.

### 8.3.2.5.1        E/S/SE/Information supplied

**Test group objective:** Checking the IUT's behaviour concerning the protocol exchanges linked to the
                    display of information to the users.

**Subgroups:**       FT     File Transfer
                    PH     Phases of communication
                    FA     Files administration
                    ME     Messages

### 8.3.2.5.1.1      E/S/SE/IN/File Transfer

**Test group objective:** Checking the IUT's behaviour concerning the information display on file
                    transfers.

**Test Purposes (E/S/SE/IN/FT):**

TCES6N0801          Ensure that, after an access regime establishment initiated by the remote entity,
                    on a file transfer, the current file transfer operation is displayed at the level
                    interface, containing the following information: transfer direction from the tester
                    to the IUT, the file concerned, and the current operation. (Ref. ETS 300 383 [1],
                    subclause 7.2.2.1b).

TCES6N0802          Ensure that, after an access regime establishment initiated by the remote entity,
                    and during a file transfer from the tester to the IUT, the activation of the
                    interruption of the transfer from the IUT has no effect on the communication.
                    (Ref. ETS 300 383 [1], subclause 7.2.1.7a). TP superseded by CTP005.

TCES6N0803          Ensure that, after an access regime establishment initiated by the remote entity,
                    and during a file transfer from the tester to the IUT, the file concerned by a
                    transfer interrupt from the IUT is not present in the local filestore display. (Ref.
                    ETS 300 383 [1], subclause 7.2.1.7a). TP superseded by CTP 005.

TCES6N0804          Ensure that the IUT, when it is the called party and a file transfer is being
                    processed from the tester to the IUT, is able to interrupt the communication.
                    (Ref. ETS 300 383 [1], subclause 7.2.1.7b).

TCES6N0805          Ensure that, when the IUT is the called party, that a file transfer is being
                    processed from the tester to the IUT and the user interrupts the call, a
                    confirmation is displayed and requested. (Ref. ETS 300 383 [1],
                    subclause 7.2.1.7b).

TCES6N0806          Ensure that, when the IUT is the called party and the configuration indicates the
                    possibility of overlaying existing files, on receiving a save request of a transfer of
                    file which name is corresponding to an already existing name in the IUT
                    filestore, the request is accepted. (Ref. ETS 300 383 [1], subclause 7.2.1.7 1).

TCES6N0807            Ensure that, when the IUT is the called party and the configuration indicates that no possibility of overlaying existing files, on receiving a save request of a transfer of file which name is corresponding to an already existing name in the IUT filestore, the request is refused. Check that the cause indicated in the T_Response_Negative is "Already existing file". (Ref. ETS 300 383 [1], subclause 7.2.1.7 1).

TCES6N0808            Ensure that, after an access regime establishment initiated by the remote entity, on a file transfer, the current file transfer operation is displayed at the level interface, containing the following information: transfer direction from the IUT to the tester, the file concerned, and the current operation. (Ref. ETS 300 383 [1], subclause 7.2.2.1b).

TCES6N0809            Ensure that the IUT, when it is the called party and a file transfer is being processed from the IUT to the tester, is able to interrupt the communication. (Ref. ETS 300 383 [1], subclause 7.2.1.7b).

TCES6N0810            Ensure that, when the IUT is the called party, that a file transfer is being processed from the IUT to the tester and the user interrupts the call, a confirmation is displayed and requested. (Ref. ETS 300 383 [1], subclause 7.2.1.7b).

### 8.3.2.5.1.2          E/S/SE/IN/Phases of communication

**Test group objective:**    Checking the IUT's behaviour concerning the information display during the phases of communication.

**Test Purposes (E/S/SE/IN/PH):**

TCES6N1101            Ensure that the IUT handles an incoming call without the user intervention, and displays the current status of exchanges. (Ref. ETS 300 383 [1], subclause 7.1.1).

TCES6N1102            Ensure that the IUT, after an access regime establishment initiated by the remote entity, displays a message indicating the communication abort when the communication is interrupted from the remote equipment. (Ref. ETS 300 383 [1], subclause 7.2.1.7b).

TCES6N1103            Ensure that the IUT, after an access regime establishment initiated by the remote entity, is able to activate a function for interrupting the communication. (Ref. ETS 300 383 [1], subclause 7.1.2). TP superseded by CTP006.

TCES6N1104            Ensure that, after an access regime establishment initiated by the remote entity, and no operation is in progress, the IUT displays a user indication when the inactivity timer runs out. Check that this event is included in the logbook. (Ref. ETS 300 383 [1], subclause 7.2.2.1d).

TCES6N1105            Ensure that, when the IUT is the called party, on confirmation by the user of a call interrupt the current service is interrupted and the established call terminated. (Ref. ETS 300 383 [1], subclause 7.2.1.7b). TP superseded by CTP006.

TCES6N1106            Ensure that, when the IUT is the called party, on confirmation by the user of a call interrupt, a "user abort" indication is displayed. (Ref. ETS 300 383 [1], subclause 7.2.1.7b). TP superseded by CTP006.

**8.3.2.5.1.3          E/S/SE/IN/File administration**

**Test group objective:**    Checking the IUT's behaviour concerning the information display on file administration service.

**Test Purposes (E/S/SE/IN/FA):**

TCES6N1201                Ensure that, when the IUT is the called party, the processing of a T_DIRECTORY Request received from the tester is indicated in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2). TP superseded by CTP007.

TCES6N1202                Ensure that, when the IUT is the called party, after a directory request of all the files from the tester, the list of accessible files received corresponds to the working area defined in access control list. (Ref. ETS 300 383 [1], subclause 7.4.2.2b). TP superseded by CTP007.

**8.3.2.5.1.4          E/S/SE/IN/Message**

**Test group objective:**    Checking the IUT's behaviour concerning the information display for the message service.

**Test Purposes (E/S/SE/IN/ME):**

TCES6N1301                Ensure that the IUT, after an access regime establishment initiated by the remote entity, and if the message service is implemented, the sending message operation is available at the interface level, and the user can enter a message. (Ref. ETS 300 383 [1], subclause 7.2.1.7c).

TCES6N1302                Ensure that the IUT, after an access regime establishment initiated by the remote entity, on receiving a message from the remote entity, the message is displayed automatically without user intervention. (Ref. ETS 300 383 [1], subclause 7.2.2.1).

**8.3.2.5.2          E/S/SE/Logbook**

**Test group objective:**    Checking the IUT's behaviour concerning the protocol exchanges linked to the logbook.

**Subgroups:**              FT    File Transfer;
                          FA    Files administration;
                          ME    Messages.

**8.3.2.5.2.1          E/S/SE/LB/File administration**

**Test group objective:**    Checking the IUT's behaviour concerning the logbook information stored on file administration service.

**Test Purposes (E/S/SE/LB/FA):**

TCES6L1201                Ensure that, when the IUT is the called party, after having answered positively to an extended directory request, this event is included in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2).

**8.3.2.5.2.2          E/S/SE/LB/Message**

**Test group objective:**    Checking the IUT's behaviour concerning the logbook information stored for the message service.

**Test Purposes (E/S/SE/LB/ME):**

TCES6L1301                Ensure that the IUT, after an access regime establishment initiated by the remote entity, and after having sent a message to the remote entity, the content of the outgoing message is included in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2).

TCES6L1302                Ensure that the IUT, after an access regime establishment initiated by the remote entity, on receiving a message from the remote entity, the content of the incoming message is included in the logbook. (Ref. ETS 300 383 [1], subclause 7.4.1.2).

### 8.3.3        Local services

**Test group objective:**    This test group is to test the local services defined by ETS 300 383 [1] at the IUT interface.

**Subgroups:**        CO    Configuration;
                      PB    Correspondent PhoneBook and Access Control List;
                      FL    File List;
                      LG    Logbook;
                      IS    Information supplied.

### 8.3.3.1          E/L/Configuration

**Test group objective:**    To test the services aspects linked to the configuration display and modification.

**Test Purposes (E/L/CO):**

TCELCO01                  Ensure that a static configuration is available for display at the IUT interface after the starting-up phase and contains at least the address of the caller terminal. (Ref. ETS 300 383 [1], subclause 7.4.3.2).

TCELCO02                  Ensure that the modification of the static configuration is available at the IUT interface. (Ref. ETS 300 383 [1], subclause 7.4.3.2).

TCELCO03                  Ensure that, when automatic mode implemented, the following parameters of the dynamic configuration are available for display at the IUT interface after the starting-up phase:

                          -    number of retries for unsuccessful session;
                          -    number of retries for an unsuccessful call;
                          -    delay between two attempts;
                          -    use of recovery;
                          -    date and time of execution. (Ref. ETS 300 383 [1], subclause 7.4.3.3).

TCELCO04                  Ensure that after having modified the dynamic configuration, it is possible to return to the default configuration through a function. Check that the dynamic configuration was actually reset. (Ref. ETS 300 383 [1], subclause 7.4.3.3).

### 8.3.3.2          E/L/Phonebook

**Test group objective:**    To test the administration and the content of the correspondent phonebook and access control list.

**Test Purposes (E/L/PB):**

TCELPB01                  Ensure that the correspondent phonebook contains for each correspondent:

                          -    mnemonic;
                          -    address;
                          -    optionally, local filestore. (Ref. ETS 300 383 [1], subclause 7.4.2.2a).

TCELPB02                    Ensure that it is possible to create a new correspondent in the correspondent
                            phonebook. (Ref. ETS 300 383 [1], subclause 7.4.2.1).

TCELPB03                    Ensure that it is possible to modify a correspondent in the correspondent
                            phonebook. (Ref. ETS 300 383 [1], subclause 7.4.2.1).

TCELPB04                    Ensure that it is possible to delete a correspondent in the correspondent
                            phonebook. (Ref. ETS 300 383 [1], subclause 7.4.2.1).

TCELPB05                    Ensure that the correspondent phonebook is accessible at least when there is
                            no call in progress. (Ref. ETS 300 383 [1], subclause 7.4.2.1).

TCELPB06                    Ensure that the access to the correspondent phonebook and access control list
                            are independent. (Ref. ETS 300 383 [1], subclause 7.4.2.1).

TCELPB07                    Ensure that the access control list contains for each element:

                            -      mnemonic;
                            -      identifier;
                            -      authorizations granted to the caller;
                            -      working area;
                            -      optionally, support of navigation service and navigation filestores links.
                                   (Ref. ETS 300 383 [1], subclause 7.4.2.2b).

TCELPB08                    Ensure that at least one basic operation shall be accessible to identified callers,
                            such as file save, file load or the access of the file list. (Ref. ETS 300 383 [1],
                            subclause 7.2.1.4).

TCELPB09                    Ensure that the access control list is accessible at least when there is no call in
                            progress. (Ref. ETS 300 383 [1], subclause 7.4.2.1).

TCELPB10                    Check the possibility to enter a password when creating or modifying a
                            correspondent in the access control list.

TCELPB11                    Ensure that, if the IUT is able to define entitlements to non-identified callers, it is
                            possible to define entitlements to a non-identified caller. (Ref. ETS 300 383 [1],
                            subclause 7.4.2 1).

## 8.3.3.3        E/L/File List

**Test group objective:**    To test the services aspects linked to the local file lists.

**Test Purposes (E/L/FL):**

TCELFL01                    Ensure that the user can list all the names of local files, and check the list
                            displayed. (Ref. ETS 300 383 [1], subclause 7.3.2.1).

TCELFL02                    Ensure that the user can list the names of local files, after having entered a
                            criteria, and check the list displayed. (Ref. ETS 300 383 [1], subclause 7.3.2 1).

TCELFL03                    Ensure that, if the local delete service implemented on the IUT, the user has the
                            possibility to select one or several file(s) in order to delete them. (Ref.
                            ETS 300 383 [1], subclause 7.3.2 2).

TCELFL04                    Ensure that, if the local rename service implemented on the IUT, the user has
                            the possibility to select one or several file(s) in order to rename them. (Ref. ETS
                            300 383 [1], subclause 7.3.2 3).

TCELFL05                    Ensure that the list of files displayed is corresponding to the operations done.
                            (Ref. ETS 300 383 [1], subclause 7.3.2 1).

### 8.3.3.4 E/L/Logbook

**Test group objective:** To test the administration of the logbook service.

**Test Purposes (E/L/LB):**

TCELLB01                    Ensure that the consultation of the logbook of the IUT provides a rapid display of the latest events. (Ref. ETS 300 383 [1], subclause 7.4.1.1).

TCELLB02                    Ensure that a save function of the logbook is available for the user. (Ref. ETS 300 383 [1], subclause 7.4.1.1).

TCELLB03                    Ensure that a reset function of the logbook is available for the user. (Ref. ETS 300 383 [1], subclause 7.4.1.1).

### 8.3.3.5 E/L/Information Supplied

**Test group objective:** To test the message displayed to the user concerning the status when the IUT is not connected.

**Test Purposes (E/L/IS):**

TCELIS01                    Ensure that the current status of exchanges displayed at the IUT interface, when there is no communication in progress is no current call. (Ref. ETS 300 383 [1], subclause 7.2.2.1 b).

### 8.4 Combined Test Purposes

Some of the purposes have been combined together in order to have a more complete test. These are called Combined Test Purposes (CTP). The Test Purposes are combined because their test sequence is the same, and several aspects can be checked together, instead of being individually checked if the TP were not combined.

The combined Test Purposes list contains:

- the Test Purposes which are the result of the combination;
- the original Test Purposes, described as a reference in the TP list.

List of the combined Test Purposes:

CTP001: TCEM6N1101 & TCEM6L1101
    Ensure that a message indicating a communication abort is displayed when the communication initiated by the IUT is interrupted from the remote equipment, and that the trace of the communication abort is stored in the logbook.

CTP002: TCEM6N0806 & TCEM6L0801
    Ensure that, on a multiple file save request, the transfer interrupt from the tester of one of the files will have no consequence on the following file transfer operations, and that all those operations are mentioned in the logbook.

CTP003: TCEM6N1203 & TCEM6L1201
    Ensure that, on request of the remote file list, the list displayed at the user interface contains at least the transfer name and the file size, and that the received list is displayed in the logbook.

CTP004: TCEM6N1104 & TCEM6N1105 & TCEM6L1103
    Ensure that, on confirmation by the user of a call interrupt, the current service is interrupted, the established call terminated, a "user abort" indication is displayed, and the cleardown of the call and the initiator are indicated in the logbook.

CTP005: TCES6N0802 & TCES6N0803
    Ensure that, after a call establishment initiated by the remote entity, and during a file transfer from the tester to the IUT, the activation of the interruption of the transfer from the IUT has no effect on

the communication, and the file concerned by a transfer interrupt from the IUT is not present in the local filestore display.

CTP006: TCES6N1105 & TCES6N1106 & TCES6N1103

Ensure that, when the IUT is the called party, it is possible to activate a function for interrupting the communication, then on confirmation by the user of a call interrupt the current service is interrupted and the established call terminated, and that a "user abort" indication is displayed.

CTP007: TCES6N1201 & TCES6N1202

Ensure that, when the IUT is the called party, the processing of a T_DIRECTORY Request received from the tester is indicated in the logbook, and that the list of accessible files received corresponds to the working area defined in access control list.

CTP008: TCS2_0202 & TCS2_0102

Ensure that the IUT in state access regime established, on receiving from the tester a T_END_ACCESS Request with appropriate parameters, sends a T_END_ACCESS Response Positive and returns to association regime; then on receiving from the tester a T_RELEASE Request with appropriate parameters, sends a T_RELEASE Response Positive and terminates association regime.

CTP009: TCEM6N1301 & TCEM6L1301

Ensure that, when a communication initiated by the IUT is established and the message service is implemented, it is possible to activate at the interface level the sending message service, and to enter a message. Check that this event is included in the logbook.

CTP010: TCEM6N1302 & TCEM6L1302

Ensure that, when a communication initiated by the IUT is established, and on receiving a message from the remote entity, the message is displayed automatically without user intervention. Check that this event is included in the logbook.

CTP011: TCEM6N1207 & TCEM6N1210

Ensure that at the IUT interface the names of the files to be renamed can be selected from the list of the remote files, received further to a file list request, and displayed. Ensure that at the interface the new names of the files for renaming can be entered by the user.

# 9 Profile Specific Test Specification convention

The PSTS conventions are intended to give a better understanding of the PSTS but they describe also the conventions made for the development of the PSTS.

The PSTS convention contains two clauses, the naming conventions and the implementation conventions. The naming conventions describe the structure of the naming of all PSTS elements. The implementation conventions describe functional structure of the PSTS elements.

## 9.1 Naming conventions

### 9.1.1 Overview part

This clause is available without any additional rules. No additional naming conventions are met.

### 9.1.2 Declaration part

The Identifier (Id) names of the following definitions are written in lowercase:

- ASP Type Definitions;
- PDU Type Definitions.

The Id names of the following definitions are written in uppercase:

- Simple Type Definitions;
- Test Suite Parameter Declarations;
- Test Case Selection Expression Definitions;
- Test Suite Constant Declaration;
- Test Suite Variable Declarations;
- Test Case Variable Declarations.


Structured Type Id names begin with ST_:

- e.g.: ST_Address.

Test Suite Parameter Id names begin with TSP:

- Protocol Implementation Conformance Statement (PICS) are identified by adding the letter "C" ==> TSPC_. (e.g.: TSPC_MASTER)
- Protocol Implementation eXtra Information for Testing (PIXIT) are identified by adding the letter "X" ==> TSPX_. (e.g.: TSPX_EUROFILE)

Test Case Selection expression Id names begin with TCS_:

- e.g.: TSC_IUT


Test Suite Operations begin with TSO_.

- e.g.: TSO_BLOCKLEN


Test Suite Constant Id names begin with TSC_:

- e.g.: TSC_T_ASSOCIATE


Test Suite Variable Id names begin with TSV_:

- e.g.: TSV_LENGTH_1


### 9.1.3 Constraint part

Constraint names commence with a capital letter. The remaining part of the Id name is written in lowercase.

The text in italics is only for information and the normal text is used in the test specification.

The structure of a Constraint Id name is as follows:

- <Declaration Id Name>[_*send* or _*receive*][_base or _*further details*]
- e.g.:

    a) Declaration part: t_associate_req;
    b) Constraint part: T_associate_req_s_base.


A Structured constraint Id name commences with SC_:

The structure of a Structured constraint Id name is as follows:

- <Declaration Id Name>[_*detail*][_*send* or _*receive*][_base or _*further details*]
- e.g.:

    a) Declaration part: ST_Address;
    b) Constraint part: SC_Address_called_r_base.

If formal parameter lists are used, the variable names are written in uppercase.

### 9.1.4        Dynamic part

#### 9.1.4.1          Test Cases

The identifier of the TCs shall be the same as in I-ETS 300 491-2 [15].

#### 9.1.4.2          Test steps

In TCs, test steps as well as local trees are used. To allow an easy distinguishing of them the following naming applies:

- Local tree:                    lo_[local_tree_name];
- Preamble test step:            pr_[test_step_name];
- Postamble test step:           po_[test_step_name];
- Check test step:               ch_[test_step_name].

### 9.1.5        PTS abbreviations

These abbreviations are used to shorten identifier names. Capital letters may be used.

| | |
|---|---|
| _addr | address |
| _appl | application |
| _asp | primitive (abstract service primitive) |
| _cnf | confirmation |
| _comm | common |
| _ind | indication |
| _r | receive |
| _rej | reject |
| _req | request |
| _rsp | response |
| _s | send |

### 9.2        Implementation conventions

### 9.2.1        General conventions

The tester shall guarantee the correct implementation for the lower layers in the SUT.

Furthermore, the tester shall establish a connection between the test system and the IUT that shall be described in the PIXIT. The tester shall realise the functionalities of the SBV primitives SBV_TPD_Begin, SBV_TPD_End and SBV_TC_Error.

### 9.2.2        Declaration part

The comment line of single element TTCN tables is used to give a reference where the format and content of the element is described in the relevant protocol specification. Any particularity of the element format or content is described in the comment line.

The comment line in the header of the multi-element TTCN tables is used to reference the protocol specification. The detailed comments are used to describe any particularity of the table.

In the Abstract Service Primitive (ASP) and PDU declarations the comments column is further used to give information about the element value.

Although the Profile Test Specification (PTS) refers to the base ATS specification (I-ETS 300 491-3 [9], all Declarations and Definitions are once again written in the PTS for better readability.

### 9.2.3 Constraint part

All PDUs are defined in a way that relevant elements are parameterized. That improves the transparency of the constraints in the dynamic part, as all values which are relevant for the test shall always be present.

The comment line of a constraint contains always the reference to the used specification. The detailed comment sector is used to describe any particularity of the table.

### 9.2.4 Dynamic part

All events which are defined as conformance requirements by the TP, cause a preliminary verdict PASS if the requirement is met.

For more readability of the verdicts, the events (Alias names, OTHERWISE or TIMEOUT) and test step names should be written to the conformance log with its receive event. This allows the identification of where the test failed.

Implicit send events are used within the ATS. The specific description is given in the constraint part. The tester may realise the implicit send events manually or automatically.

## Annex A (normative):       Abstract Test Suite (ATS)

This ATS has been produced using TTCN according to ISO/IEC 9646-3 [17].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the contents table. The ATS itself contains a Test Suite Overview part which provides additional information and references.

## A.1    The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS is contained in a Postscript file (DIP04903.PS) which can be found on the diskette attached to the last page of this ETS.

## A.2    The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS is contained in an ASCII file (DIP04903.MP) which can be found on the diskette attached to the last page of this ETS.

NOTE:       According to ISO/IEC 9646-3 [17], in case of a conflict in interpretation of the operational semantics of TTCN.GR and TTCN.MP, the operational semantics of the TTCN.GR representation takes precedence.

## Annex B (normative): Profile specific IXIT proforma for the EUROFILE protocol (ETS 300 383)

## B.1 Identification summary

### B.1.1 Profile IXIT

| | |
|---|---|
| IXIT Number | |
| Test Laboratory Name | |
| Date of Issue | |
| Issued to | |

### B.1.2 Profile Specific Test Suite Summary

| Profile Specification | ETS 300 383 [1] |
|---|---|
| Profile Specific Test Specification | Draft prI-ETS 300 490-3 |
| Abstract Test Method | Remote Multi Layer Test Method |

### B.1.3 Test Laboratory

| | |
|---|---|
| Identification | |
| Address | |
| Postal code/city | |
| Country | |
| Telephone | |
| Telefax | |
| Telex | |
| Teletex | |
| E-Mail | |
| Accreditation status of the test service | |
| Accreditation reference | |
| Test Laboratory Manager | |
| Test Laboratory Contract | |
| Means of Testing (MOT) | |
| Instructions for Completion | |

**B.1.4** **Client**

| | |
|---|---|
| Identification | |
| Address | |
| Postal code/city | |
| Country | |
| Telephone | |
| Telefax | |
| Telex | |
| Teletex | |
| E-Mail | |
| Client Test Manager | |
| Test Facilities Required:<br>*(Reference to annex can be made)* | |

### B.1.5    SUT

| | |
|---|---|
| Name | |
| Version | |
| SCS reference | |
| Machine Configuration | |
| Operation System Identification | |
| Upper Tester Identification | |
| Upper Tester Validation Date | |
| IUT Identification | |
| ICS | |
| Limitations of the IUT<br>*(Reference to annex can be made)* | |
| Environmental Conditions<br>*(Reference to annex can be made))* | |

### B.1.6    Ancillary Protocols

| Protocol Name | Version Number | PICS Ref. | PIXIT Ref. | PCTR Ref. |
|---|---|---|---|---|
| ETS 300 079 [10] | October 1991 | I-ETS 300 236 [11] | I-ETS 300 236 [11] | |
| ETS 300 075 [13] | February 1994 | Draft I-ETS 300 490-1 [3] | Draft I-ETS 300 490-1 [3] | Draft I-ETS 300 490-1 [3] |

## B.2 Profile Information for the EUROFILE protocol (ETS 300 383)

### B.2.1 Profile Specific Information

| Specification reference | ETS 300 383 [1] |
|---|---|
| Protocol Version | |
| PICS reference | |

### B.2.2 IUT Information

### B.2.2.1 Addresses

| SAP address | Description |
|---|---|
| by the Lower Tester 1 to access the IUT (PCO1) | |
| by the Lower Tester 2 to access the IUT (PCO2) | |

### B.2.3.2 Parameter Values

**Table B.1: Parameter Values**

| Parameter Name | Parameter Type | Question | Parameter Range | Parameter Value |
|---|---|---|---|---|
| TSPX_EUROFILE | Boolean | Is the IUT an Eurofile application? | TRUE | |
| TSPX_APPL_RSP_TIMEOUT | Boolean | Is the parameter application response timeout greater than zero? | 1 s - 255 s | [1] |
| TSPX_ASSOCIATE | Boolean | Does the tester use always the terminated call state?[2] | | |
| TSPX_AUTO_MODE | Boolean | Does the IUT support the automatic mode? | | |
| TSPX_CALLED_ADDRESS | IA5String | Called address | | |
| TSPX_CALLING_ADDRESS | IA5String | Calling address | | |
| TSPX_IDENT_CALLER | Boolean | Does the IUT define entitlements associated with non-identified callers? | | |
| TSPX_IDENTIFICATION | Boolean | Does the IUT grant all possible entitlements to the tester identification "TESTEURO/testrun"? | | |
| TSPX_IUT_IDENT | IA5String | What is the IUT's identification? | | |
| TSPX_FILE_CHECKSUM | OCTETSTRING | What is the value of FCS of the used file? | | [3] |
| TSPX_LISTFILE1 | Boolean | Are the filenames referenced to table B.3 realised? | | |

---

[1] Please insert the value for later checking, although not relevant.
[2] This question shall note in context with test steps pr_init and pr_init_iut.
[3] See desscription of the file for the FCS test.

### B.2.3.3 Test files

### B.2.3.3.1 General test files

The tester shall insert all information referred to the test files in the following table.

**Table B.2: General test files**

| File name | Test Suite Constant name | Realised [y/n] | File type | Size |
|---|---|---|---|---|
| tstde_2 | TSC_DEL_2 | | Group A default | |
| tstlo_1 | TSC_LOA_1 | | Group A default | |
| tstre_n1 | TSC_NEW_2 | | Group A default | |
| tstre_o1 | TSC_OLD_1 | | Group A default | |
| tstre_o2 | TSC_OLD_2 | | Group A default | |
| tstre_3 | TSC_NEW_1 | | Group A default | |
| tstsa_2 | TSC_SAV_2 | | Group A default | |
| designations/test with/smallCAPITAL/%{=&#>./maximum/size/keyword/number | TSC_LIMIT | | Group A default | |

### B.2.3.3.2 T-Directory testing test files

For directory testing, the IUT shall have in its database the following files. The tester shall insert all information referred to the test files in the following table.

**Table B.3: Directory testing test files**

| File name | realised [Y / N] |
|---|---|
| EURO/VERYVERYLONG | |
| EURO/VERYLONG | |
| EURO/LONGVERY | |
| EURO/WITHVERY/WITH | |
| EURO/VERY/VERY/LONG | |
| EURO/LONG/VERIFY | |
| EURO/WITH/VERYLONG | |

### B.2.3.3.3 Not allowed test file

The following files shall not be present in the filestore.

**Table B.4: File names not present in the filestore**

| File name | realised [Y / N] |
|---|---|
| FILE/TO/BE/SEND/AND/LOAD/AGAIN | |
| FILE/HEADER/EMPTY | |
| FILE/BASIC/COMPRESSION/MODE | |
| FILE/HIGH/EFFICIENCY/COMPRESSION/MODE | |
| FILE/TRANSFER/INTERRUPT | |
| FILE/WITH/ONLY/FILE/NAME/PARAMETER | |
| FILE/FOR/TRANSFER/IN/SERVICE/TEST | |
| FILE/FOR/TRANSFER/INTERRUPTION/IN/SERVICE | |

For navigation mode testing, the following file shall not be present in FS1.

**Table B.5: File name not present in the filestore**

| File name | realised [Y / N] |
|---|---|
| FILE/NOT/EXISTING/IN/FS1 | |

### B.2.3.4 Navigation filestore

The tester shall realise for Test Purposes a navigation filestore in the IUT. The structure of the navigation filestore in the IUT and the filenames (Italic letters) are represented in the following figure.

```
                         ┌─────────────────┐
                         │    NAV/BASE     │
                         └─────────────────┘
                              ┌────────┐
                              │   AA   │
                              └────────┘
                                 FS1
              ┌────────────┐              ┌────────────┐
              │    AAAA    │              │    AAAB    │
              └────────────┘              └────────────┘
                 FS1/FS11                    FS1/FS12
        ┌──────────┐   ┌──────────┐        ┌──────────┐
        │  AAAAAA  │   │  AAAAAB  │        │  AAABAA  │
        └──────────┘   └──────────┘        └──────────┘
       FS1/FS11/FS111  FS1/FS11/FS112     FS1/FS12/FS121

                                     NAV/BASE/AAAB/FILE1
                                     NAV/BASE/AAAB/FILE2
                                     NAV/BASE/AAAB/FILE3

                                        ┌────────────┐
                                        │  AAABAAAA  │
                                        └────────────┘
                                      FS1/FS12/FS121/FS1211
```

**Figure B.1: Structure of navigation filestore in IUT**

Question:                    Was the navigation filestore realised in the IUT?    **YES [ ] / NO [ ]**

### B.2.3.5 Identifiers in the Access control list

### B.2.3.5.1 Allowed identifiers

The tester shall insert all following identifiers in the Access control list of the IUT.

**Table B.6: Allowed identifiers**

| File name | realised [Y / N] |
|---|---|
| TESTEROK1 | |
| TESTERNO1 | |
| TESTEROK2/PASSWORDOK | |
| TESTERNO2/WRONGPASSWD | |
| TESTERNO3/WITHPASSWD | |
| TESTEURO/testrun | |

For all those identifiers, all possible authorizations shall be granted to the caller. Nothing specific is requested concerning mnemonic or the working area.

### B.2.3.5.2 Not allowed identifiers

The tester shall not insert the following identifier in the Access control list of the IUT.

**Table B.7: Not allowed identifiers**

| File name | realised [Y / N] |
|---|---|
| WRONGTESTER | |

### B.2.3.6 Procedural information

As necessary.

## Annex C (normative): Profile Conformance Test Report proforma (Profile CTR)

Notwithstanding the provisions of the copyright clause related to the text of this I-ETS, ETSI grants that users of this I-ETS may freely reproduce the Profile CTR proforma in this annex so that it can be used for its intended purposes and may further publish the completed Profile CTR.

## C.1 Identification summary

### C.1.1 Profile Conformance Test Report

| | |
|---|---|
| PCTR Number | |
| PCTR Date | |
| Test Laboratory | |
| Accreditation Status | |
| Accreditation Reference | |
| Technical Authority | |
| Job Title | |
| Signature | |
| Test Laboratory Manager | |
| Signature | |

### C.1.2 IUT

| | |
|---|---|
| Name | |
| Version | |
| Protocol Specification | ETS 300 383 [1] |
| Profile ICS | *I-ETS 300 490-1 [3]* |

### C.1.3 Testing Environment

| | |
|---|---|
| IXIT | I-ETS 300 490-3 |
| Profile Specific Test Specification | I-ETS 300 490-3 |
| ATM | Remote Multi Layer Test Method |
| MOT | |
| Period of testing | |
| Conformance Log reference | |
| Retention Date of Log reference | |
| Realising of preamble test step pr_init | Details in annex: |
| Realising of preamble test step pr_init_iut | Details in annex: |
| Realising of postamble test step po_disconnect | Details in annex: |

### C.1.4 Limits and reservations

The order of Test Cases listed in clause C.6 of this annex corresponds to the ordering of Test Cases defined in the ATS referenced in subclause C.1.3. This does not indicate that the Test Cases were executed in this order.

The test results presented in this test report apply only to the particular IUT declared in subclause C.1.2, as presented for test in the period declared in subclause C.1.3, and configured as declared in the relevant IXIT attached to this PCTR. This report shall not be reproduced except in full together with its attached ICS and IXIT.

*Additional information relevant to the technical contents or further use of the test report, or to the rights and obligations of the test laboratory and the client, may be given here. Such information may include restrictions on the publication of the report.*

### C.1.5 Comments

*Additional comments may be given by either the client or test laboratory on any of the contents of the PCTR, for example, to note disagreement between the two parties.*

| Additional comments reference in annex: | |
|---|---|
| | |

## C.2 IUT conformance status

This IUT **has/has not** been shown by conformance assessment to be non-conforming to the referenced base specification.

*For further details see ISO/IEC 9646-5 [16], annex B, clause B.2.*

## C.3 Static conformance summary

The ICS for this IUT **is/is not** consistent with the static conformance requirements in the referenced base specification.

*For further details see ISO/IEC 9646-5 [16], annex B, clause B.3.*

## C.4 Dynamic conformance summary

The test campaign **did / did not** reveal errors in the IUT.

*For further details see ISO/IEC 9646-5 [16], annex B, clause B.4.*

## C.5 Static conformance review report

*If clause C.3 indicates non-conformance, this clause itemises the mismatches between the ICS and the static conformance requirements of the referenced base specification.*

| Non-conformance indication: | Yes / No |
|---|---|
| Reference to the description: | |

## C.6 Test campaign report

The shaded lines in the following table correspond to superseded Test Cases.

*For further details see ISO/IEC 9646-5 [16], annex B, clause B.6.*

| TC Name | Selected [Yes/No] | Run [Yes/No] | Verdict [P/F/I] | Observations[4] |
|---|---|---|---|---|
| TCEM2_0101 | | | | |
| TCEM2_0201 | | | | |
| TCEM2_0301 | | | | |
| TCEM2_0302 | | | | |
| TCEM2_0801 | | | | |
| TCEM2_0901 | | | | |
| TCEM2_1001 | | | | |
| TCEM2_1002 | | | | |
| TCEM2_1003 | | | | |
| TCEM2_1004 | | | | |
| TCEM2_1005 | | | | |
| TCEM2_1006 | | | | |
| TCEM2_1007 | | | | |
| TCEM3I0201 | | | | |
| TCEM3I0801 | | | | |
| TCEM3I0802 | | | | |
| TCEM3I0803 | | | | |
| TCEM3I0804 | | | | |
| TCEM3I0805 | | | | |
| TCEM3I0806 | | | | |
| TCEM3I0807 | | | | |
| TCEM3I1001 | | | | |
| TCEM3I1002 | | | | |
| TCEM3I1003 | | | | |
| TCEM3I1004 | | | | |
| TCEM3I1005 | | | | |
| TCEM3I1006 | | | | |
| TCEM3V0101 | | | | |
| TCEM3V0201 | | | | |
| TCEM3V0301 | | | | |
| TCEM3V0302 | | | | |
| TCEM3V0303 | | | | |
| TCEM3V0304 | | | | |
| TCEM3E0301 | | | | |
| TCEM3E0302 | | | | |
| TCEM3E0303 | | | | |
| TCEM3E0801 | | | | |
| TCEM3E0802 | | | | |
| TCEM3E0803 | | | | |
| TCEM3E0804 | | | | |
| TCEM5V0201 | | | | |
| TCEM5V0202 | | | | |
| TCEM5V0203 | | | | |
| TCEM5V0901 | | | | |
| TCEM5C0201 | | | | |
| TCEM4E0201 | | | | |
| TCEM4E0301 | | | | |
| TCEM4E0801 | | | | |
| TCEM6N0801 | | | | |
| | | | | |

(continued)

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[4] Enter an observation or a reference to any relevant observations made in clause C.7 of this report.

| TC Name | Selected [Yes/No] | Run [Yes/No] | Verdict [P/F/I] | Observations[5] |
|---|---|---|---|---|
| TCEM6N0802 | | | | |
| TCEM6N0803 | | | | |
| TCEM6N0804 | | | | |
| TCEM6N0805 | | | | |
| TCEM6N0806 | NO | | | CTP002 |
| TCEM6N0807 | | | | |
| TCEM6N0808 | | | | |
| TCEM6N0809 | | | | |
| TCEM6N0810 | | | | |
| TCEM6N0811 | | | | |
| TCEM6N0812 | | | | |
| TCEM6N1101 | NO | | | CTP001 |
| TCEM6N1102 | | | | |
| TCEM6N1103 | | | | |
| TCEM6N1104 | NO | | | CTP004 |
| TCEM6N1105 | NO | | | CTP004 |
| TCEM6N1106 | | | | |
| TCEM6N1201 | | | | |
| TCEM6N1202 | | | | |
| TCEM6N1203 | NO | | | CTP003 |
| TCEM6N1204 | | | | |
| TCEM6N1205 | | | | |
| TCEM6N1206 | | | | |
| TCEM6N1207 | NO | | | CTP011 |
| TCEM6N1208 | | | | |
| TCEM6N1209 | | | | |
| TCEM6N1210 | NO | | | CTP011 |
| TCEM6N1211 | | | | |
| TCEM6N1301 | | | | |
| TCEM6N1302 | | | | |
| TCEM6P1101 | | | | |
| TCEM6L0801 | NO | | | CTP002 |
| TCEM6L1101 | NO | | | CTP001 |
| TCEM6L1102 | | | | |
| TCEM6L1103 | NO | | | CTP004 |
| TCEM6L1201 | NO | | | CTP003 |
| TCEM6L1301 | NO | | | CTP009 |
| TCEM6L1302 | NO | | | CTP010 |
| TCES2_0101 | | | | |
| TCES2_0201 | | | | |
| TCES2_0301 | | | | |
| TCES2_0302 | | | | |
| TCES2_0801 | | | | |
| TCES2_0901 | | | | |
| TCES2_1001 | | | | |
| TCES2_1002 | | | | |
| TCES2_1003 | | | | |
| TCES2_1004 | | | | |

(continued)

[5] Enter an observation or a reference to any relevant observations made in clause C.7 of this report.

| TC Name | Selected [Yes/No] | Run [Yes/No] | Verdict [P/F/I] | Observations[6] |
|---|---|---|---|---|
| TCES2_1005 | | | | |
| TCES2_1006 | | | | |
| TCES2_1007 | | | | |
| TCES3I0201 | | | | |
| TCES3I0202 | | | | |
| TCES3I0801 | | | | |
| TCES3I0802 | | | | |
| TCES3I0803 | | | | |
| TCES3I0804 | | | | |
| TCES3I0805 | | | | |
| TCES3I0806 | | | | |
| TCES3I0807 | | | | |
| TCES3I0808 | | | | |
| TCES3I1001 | | | | |
| TCES3I1002 | | | | |
| TCES3I1003 | | | | |
| TCES3V0101 | | | | |
| TCES3V0102 | | | | |
| TCES3V0103 | | | | |
| TCES3V0104 | | | | |
| TCES3V0105 | | | | |
| TCES3V0106 | | | | |
| TCES3V0107 | | | | |
| TCES3V0108 | | | | |
| TCES3V0109 | | | | |
| TCES3V0110 | | | | |
| TCES3V0201 | | | | |
| TCES3V0202 | | | | |
| TCES3V0301 | | | | |
| TCES3V0302 | | | | |
| TCES3V0303 | | | | |
| TCES3V0304 | | | | |
| TCES3V0305 | | | | |
| TCES3V0306 | | | | |
| TCES3V0307 | | | | |
| TCES3V0401 | | | | |
| TCES3V0402 | | | | |
| TCES3V0501 | | | | |
| TCES3V0502 | | | | |
| TCES3V0601 | | | | |
| TCES3C0301 | | | | |
| TCES3C0302 | | | | |
| TCES3C0303 | | | | |
| TCES3E0801 | | | | |
| TCES3E0802 | | | | |
| TCES3E0803 | | | | |
| TCES3E0804 | | | | |
| TCES3E1001 | | | | |
| TCES3E1002 | | | | |

(continued)

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[6] Enter an observation or a reference to any relevant observations made in clause C.7 of this report.

| TC Name | Selected [Yes/No] | Run [Yes/No] | Verdict [P/F/I] | Observations[7] |
|---|---|---|---|---|
| TCES3E1003 | | | | |
| TCES3E1004 | | | | |
| TCES3E1005 | | | | |
| TCES3E1006 | | | | |
| TCES5V0101 | | | | |
| TCES5V0102 | | | | |
| TCES5V0103 | | | | |
| TCES5V0104 | | | | |
| TCES5V0201 | | | | |
| TCES5V0202 | | | | |
| TCES5V0301 | | | | |
| TCES5V0302 | | | | |
| TCES5V0303 | | | | |
| TCES5V0401 | | | | |
| TCES5V0402 | | | | |
| TCES5V0403 | | | | |
| TCES5V0404 | | | | |
| TCES5V0501 | | | | |
| TCES5V0502 | | | | |
| TCES5V0503 | | | | |
| TCES5V0504 | | | | |
| TCES5V0601 | | | | |
| TCES5V0602 | | | | |
| TCES5V0603 | | | | |
| TCES5V0604 | | | | |
| TCES5V0605 | | | | |
| TCES5V0701 | | | | |
| TCES5V0702 | | | | |
| TCES5V0703 | | | | |
| TCES5V0704 | | | | |
| TCES5V0901 | | | | |
| TCES5V1001 | | | | |
| TCES5V1002 | | | | |
| TCES4E0801 | | | | |
| TCES6N0801 | | | | |
| *TCES6N0802* | *NO* | | | *CTP005* |
| *TCES6N0803* | *NO* | | | *CTP005* |
| TCES6N0804 | | | | |
| TCES6N0805 | | | | |
| TCES6N0806 | | | | |
| TCES6N0807 | | | | |
| TCES6N0808 | | | | |
| TCES6N0809 | | | | |
| TCES6N0810 | | | | |
| TCES6N1101 | | | | |
| | | | | |

(continued)

| TC Name | Selected [Yes/No] | Run [Yes/No] | Verdict [P/F/I] | Observations[8] |
|---|---|---|---|---|

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**7)** Enter an observation or a reference to any relevant observations made in clause C.7 of this report.

| | | | | |
|---|---|---|---|---|
| TCES6N1102 | | | | |
| TCES6N1103 | NO | | | CTP006 |
| TCES6N1104 | | | | |
| TCES6N1105 | NO | | | CTP006 |
| TCES6N1106 | NO | | | CTP006 |
| TCES6N1201 | NO | | | CTP007 |
| TCES6N1202 | NO | | | CTP007 |
| TCES6N1301 | NO | | | CTP009 |
| TCES6N1302 | NO | | | CTP010 |
| TCES6L1201 | | | | |
| TCES6L1301 | NO | | | CTP009 |
| TCES6L1302 | NO | | | CTP010 |
| TCELCO01 | | | | |
| TCELCO02 | | | | |
| TCELCO03 | | | | |
| TCELCO04 | | | | |
| TCELPB01 | | | | |
| TCELPB02 | | | | |
| TCELPB03 | | | | |
| TCELPB04 | | | | |
| TCELPB05 | | | | |
| TCELPB06 | | | | |
| TCELPB07 | | | | |
| TCELPB08 | | | | |
| TCELPB09 | | | | |
| TCELPB10 | | | | |
| TCELPB11 | | | | |
| TCELFL01 | | | | |
| TCELFL02 | | | | |
| TCELFL03 | | | | |
| TCELFL04 | | | | |
| TCELFL05 | | | | |
| TCELLB01 | | | | |
| TCELLB02 | | | | |
| TCELLB03 | | | | |
| TCELIS01 | | | | |
| CTP001 | | | | |
| CTP002 | | | | |
| CTP003 | | | | |
| CTP004 | | | | |
| CTP005 | | | | |
| CTP006 | | | | |
| CTP007 | | | | |
| CTP008 | | | | |
| CTP009 | | | | |
| CTP010 | | | | |
| CTP011 | | | | |

## C.7    Observations

*Additional information relevant to the technical content of the PCTR may be given here.*

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**8)** Enter an observation or a reference to any relevant observations made in clause C.7 of this report.

## Annex D (normative): System Conformance Test Report proforma (SCTR)

## D.1 Identification summary

### D.1.1 System Conformance Test Report

| | |
|---|---|
| SCTR Number | |
| SCTR Date | |
| Test Laboratory Manager | |
| Signature | |

### D.1.2 Test Laboratory

| | |
|---|---|
| Identification | |
| Address | |
| Postal code/city | |
| Country | |
| Telephone | |
| Telefax | |
| Telex | |
| Teletex | |
| E-Mail | |

### D.1.3 Client

| | |
|---|---|
| Identification | |
| Address | |
| Postal code/city | |
| Country | |
| Telephone | |
| Telefax | |
| Telex | |
| Teletex | |
| E-Mail | |

### D.1.4 SUT

| | |
|---|---|
| Name | |
| Version | |
| Supplier | |
| Dates of testing | |
| Date of receipt of SUT | |
| Location of SUT for Testing | |
| SCS Identifier | |

### D.1.5 Profile

| | |
|---|---|
| Profile Identification | EUROFILE profile (ETS 300 383) [1] |
| Profile Version | |
| Profile ICS | I-ETS 300 490-1 [3] |
| Profile Specific IXIT | I-ETS 300 490-3 |
| PTS-Summary | I-ETS 300 490-2 [2] |
| PSTS | I-ETS 300 490-3 |

### D.1.6 Nature of conformance testing

The purpose of conformance testing is to increase the probability that different implementations can interwork. However, the complexity of Open Systems Interconnect (OSI) protocols makes exhaustive testing impractical on both technical and economic grounds. Furthermore, there is no guarantee that a SUT which has passed all the relevant Test Cases conforms to a specification. Neither is there any guarantee that such an SUT will interwork with other real open systems. Rather, the passing of the Test Cases gives confidence that the SUT has the stated capabilities and that its behaviour conforms consistently in representative instances of communication.

### D.1.7 Limits and reservations

The test results presented in this test report apply only to the particular SUT and component IUTs declared in subclauses D.1.4 and D.1.8, for the functionality described in the referenced System Conformance Statement (SCS) and in the ICS referenced in each PCTR, as presented for test in the period declared in clause 1.4 and configured as declared in the relevant IXIT referenced in each PCTR. This SCTR may not be reproduced except in full together with its SCS.

*Additional information relevant to the technical contents or further use of the test report, or to the rights and obligations of the test laboratory and the client, may be given here. Such information may include restrictions on the publication of the report.*

### D.1.8 Record of agreement

A definition of what parts of the SUT were considered to be the IUT during testing, and of the ATM and ATS that were used:

| IUT Definition Reference | Protocol/Profile | ATM | ATS |
|---|---|---|---|
| 2.1 | ETS 300 079 [10] | Remote Single Layer | I-ETS 300 236 [11] |
| 2.2 | ETS 300 075 [13] | Remote Multi Layer | I-ETS 300 491-3 [9] |
| 2.3 | ETS 300 383 [1] | Remote Multi Layer | I-ETS 300 490-3 |

### D.1.9 Comments

*Additional comments may be given by either the client or test laboratory on any of the contents of the SCTR, for example, to note disagreement between the two parties.*

Additional comments in annex:          <Reference to additional comments>

## D.2    System Report Summary

### D.2.1    Profile Testing Summary for ETS 300 080

| | |
|---|---|
| Accreditation status | |
| Accreditation reference | |
| Implementation identifier | |
| IUT definition reference | |
| Protocol specification | ETS 300 080 [8] |
| ICS | ETS 300 080 [8] |
| IXIT | |
| PCTR Number | |
| PCTR Date | |
| PSTS | |
| ATM | - |
| Means of Testing identifier | |
| Conformance Status<br>    Static conformance errors<br>    Dynamic conformance errors | <br>Yes / No<br>Yes / No |
| Test Cases all<br>    Selected | |
| Run | |
| Passed | |
| Inconclusive | |
| Failed | |
| Observations | |

*If the SUT is not statically and dynamically conforming for this protocol, an additional summary may be given on aspect of non conformance. Any difficulties encountered may be reported here.*

### D.2.2    Protocol SBV layer testing

| | |
|---|---|
| Accreditation status | |
| Accreditation reference | |
| Implementation identifier | |
| IUT definition reference | |
| Protocol specification | ETS 300 079 [10] |
| ICS | |
| IXIT | |
| PCTR Number | |
| PCTR Date | |
| ATS specification | I-ETS 300 236 [11] |
| ATM | Remote Single Layer Test Method |
| Means of Testing identifier | |
| Conformance Status | |
|     Static conformance errors | Yes / No |
|     Dynamic conformance errors | Yes / No |
| Test Cases all | |
|   Selected | |
|   Run | |
|     Passed | |
|     Inconclusive | |
|     Failed | |
| Observations | |

*If the SUT is not statically and dynamically conforming for this protocol, an additional summary may be given on aspect of non conformance. Any difficulties encountered may be reported here.*

### D.2.3 Protocol Layer Testing Summary for ETS 300 075 restricted to ETS 300 383

| | |
|---|---|
| Accreditation status | |
| Accreditation reference | |
| Implementation identifier | |
| IUT definition reference | |
| Protocol specification | ETS 300 075 [13] restricted to ETS 300 383 [1] |
| ICS | |
| IXIT | |
| PCTR Number | |
| PCTR Date | |
| ATS specification | I-ETS 300 491-3 [9] |
| ATM | Remote Multi Layer Test Method |
| Means of Testing identifier | |
| Conformance Status<br>        Static conformance errors<br>        Dynamic conformance errors | <br>Yes / No<br>Yes / No |
| Test Cases all | |
|     Selected | |
|     Run | |
|         Passed | |
|         Inconclusive | |
|         Failed | |
| Observations | |

*If the SUT is not statically and dynamically conforming for this protocol, an additional summary may be given on aspect of non conformance. Any difficulties encountered may be reported here.*

### D.2.4 Profile Testing Summary for ETS 300 383

| | |
|---|---|
| Accreditation status | |
| Accreditation reference | |
| Implementation identifier | |
| IUT definition reference | |
| Protocol specification | ETS 300 383 [1] |
| ICS | I-ETS 300 490-1 [3] |
| IXIT | I-ETS 300 490-3 |
| PCTR Number | |
| PCTR Date | |
| ATS specification | I-ETS 300 490-3 |
| ATM | Remote Multi Layer Test Method |
| Means of Testing identifier | |
| Conformance Status | |
|     Static conformance errors | Yes / No |
|     Dynamic conformance errors | Yes / No |
| Test Cases all | |
|   Selected | |
|   Run | |
|     Passed | |
|     Inconclusive | |
|     Failed | |
| Observations | |

*If the SUT is not statically and dynamically conforming for this protocol, an additional summary may be given on aspect of non conformance. Any difficulties encountered may be reported here.*

## Annex E (normative): System Conformance Statement proforma (SCS)

Notwithstanding the provisions of the copyright clause related to the text of this I-ETS, ETSI grants that users of this I-ETS may freely reproduce the SCS proforma in this annex so that it can be used for its intended purposes and may further publish the completed SCS.

## E.1 Identification summary

### E.1.1 SCS Identification

| | |
|---|---|
| SCS Serial Number | |
| SCS Date | |

### E.1.2 IUT Identification

| | |
|---|---|
| Trade Name | |
| Type | |
| Version | |
| Serial Number | |

### E.1.3 Client Identification

| | |
|---|---|
| Company | |
| Street Number | |
| Postal Code / City | |
| Country | |
| Contact Person Name | |
| Telephone | |
| Telefax | |
| Telex | |
| Teletex | |
| E-Mail | |

### E.1.4 Supplier Identification

| | |
|---|---|
| Company | |
| Street Number | |
| Postal Code / City | |
| Country | |
| Contact Person Name | |
| Telephone | |
| Telefax | |
| Telex | |
| Teletex | |
| E-Mail | |

### E.1.5 Manufacturer Identification *(if different from client)*

| | |
|---|---|
| Company | |
| | |
| Street Number | |
| Postal Code / City | |
| Country | |
| Contact Person Name | |
| Telephone | |
| Telefax | |
| Telex | |
| Teletex | |
| E-Mail | |

### E.1.6 Protocols Identification

| Protocol Name | Specification Reference | PICS Reference | PCTR Reference | PCTR Reference from previous campaign |
|---|---|---|---|---|
| File transfer | ETS 300 075 [13] | | - | |
| SBV layer | ETS 300 079 [10] | | | |

### E.1.7 Profile Identification

| Profile Identifier | Specification Reference | Profile ICS Specific Reference | SCTR Reference | SCTR reference from previous campaign |
|---|---|---|---|---|
| ISDN lower layer protocols for telematic terminals | ETS 300 080 [8] | ETS 300 080 [8] | | |
| EUROFILE transfer | ETS 300 383 [1] | I-ETS 300 490-1 [3] | I-ETS 300 490-3 | |

## E.2 Miscellaneous System Information

### E.2.1 Configuration

| Environment | Which one? |
|---|---|
| CPU Type | |
| Bus-System | |
| Operating System Name | |
| Additional | |

### E.2.2 Other Information

## Annex F (informative): EUROFILE profile (ETS 300 383) Conformance Test Cases count

The first question people ask is: "How many Test Cases are described?" In order to save time this annex gives an answer to this question.

**Table F.1: Count of EUROFILE profile Conformance Test Cases**

| Test group | Count | |
|---|---|---|
| All Test Cases | 415 | |
| | | |
| Profile specific Test Cases | 215 | |
| Master Test Cases | | 72 |
| Slave Test Cases | | 108 |
| Local Test Cases | | 24 |
| Combined Test Cases | | 11 |
| | | |
| Selected ETS 300 075 Test Cases | 159 | |
| Master Test Cases | | 82 |
| Slave Test Cases | | 77 |
| | | |
| Selected SBV layer Test Cases | 28 | |
| Capability tests initiator | | 1 |
| Valid behaviour tests | | 20 |
| Invalid behaviour tests | | 7 |

## Annex G (informative): Bibliography

For the purposes of this part of the I-ETS, the following informative references have been used:

- ISO/IEC 9646-1 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

- ISO/IEC 9646-2 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification".

- ISO/IEC 9646-4 (1992): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 4: Test realization".

- ISO/IEC 9646-6 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol Profile Test Specification".

- ISO/IEC DIS 9646-7 (1993): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

- Draft prI-ETS 300 491-1 (1995): "Terminal Equipment (TE); Conformance testing for file transfer over the Integrated services Digital Network (ISDN); Part 1: ETS 300 075 Protocol Implementation Conformance Statement (PICS) proforma".

## History

| Document history | | | |
|---|---|---|---|
| August 1995 | Public Enquiry | PE 89: | 1995-08-07 to 1995-12-01 |
| May 1996 | Vote | V 103: | 1996-05-20 to 1996-08-23 |
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