INTERIM EUROPEAN TELECOMMUNICATION STANDARD

FINAL DRAFT
pr **I-ETS 300 490-1**
May 1996

Source: ETSI TC-TE

Reference: DI/TE-01044-1

ICS: 33.080, 35.180

Key words: ISDN, file transfer, EUROFILE

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)

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE
Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE
X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

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

*

Contents

Foreword

Part 1 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it can be converted into an ETS, have it's life extended for a further two years, be replaced by a new version, or be withdrawn.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 first 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

Blank page

1 Scope

Part 1 of this final draft Interim European Telecommunication Standard (I-ETS) provides a Profile Implementation Conformance Statement (Profile ICS) proforma for ETS 300 383 [4], in compliance with the relevant requirements and in accordance with the relevant guidance, given in ISO/IEC DIS 9646-7 [2].

2 Normative references

Part 1 of this 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 300 075 (1994): "Terminal Equipment (TE); Processable data, File transfer".

[2] ISO/IEC DIS 9646-7 (1993): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

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

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

[5] 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".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this part of the I-ETS, the definitions supplied in ISO/IEC DIS 9646-7 [2], ETS 300 075 [1] and ETS 300 383 [4] apply.

3.2 Abbreviations

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

BK	Basic Kernel
ICS	Implementation Conformance Statement
ISDN	Integrated Services Digital Network
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
Profil Sts	Profile Status
Proto Sts	Protocol Status
RL	Requirement List
Spt	Support
SS or Sym. Service	Symmetrical Service
Sts	Status
SUT	System Under Test
TDU	Telesoftware Data Unit
TE	Terminal Equipment
TTCN	Tree and Tabular Combined Notation

4 Conformance requirement concerning profile ICS

The supplier of a profile implementation which is claimed to conform to ETS 300 383 [4] shall complete a copy of the Protocol Implementation Conformance Statement (PICS) proforma provided in draft prI-ETS 300 491-1 [5], annex A and the profile specific ICS proforma provided in annex C of this part of the I-ETS. The supplier shall fill in the information necessary to identify both the supplier and the implementation. It shall disregard all requirements described in annex B to this part of the I-ETS.

Annex A (normative): PICS proforma

Only one PICS proforma shall be used in this Profile ICS. It refers to the PICS proforma of draft prI-ETS 300 491-1 [5].

The supplier of a profile implementation which is claimed to conform to ETS 300 383 [4] shall complete a copy of the PICS proforma provided in draft prI-ETS 300 491-1 [5], annex A and shall provide the information necessary to identify both the supplier and the implementation.

Annex B (normative): Profile Requirement List (RL) for ETS 300 383

This Profile RL refers to draft prI-ETS 300 491-1 [5].

B.1 Requirements

The following requirements are described in clause B.5, tables B.1 to B.49:

B.2 General options of the profile as a whole

The following clauses describe the changes from draft prI-ETS 300 491-1 [5], annex A. They are additional constraints and are conformant with ETS 300 383 [4].

B.3 A list of the specifications selected and combined in the profile

This clause describes all relevant specifications and profiles giving the basis for this annex. The following ETSs and I-ETS are used:

- ETS 300 075 [1];
- ETS 300 383 [4];
- draft prI-ETS 300 491-1 [5].

B.4 References to the provisional PICS proforma for ETS 300 075

The references used in the following tables are identical to those given in draft prI-ETS 300 491-1 [5]. Associated tables are described with same header text as in ETS 300 075 [1]. Tables without changes are not contained in this annex.

B.5 Restrictions for PICS proforma

B.5.1 Purposes and structure

The purpose of this Profile RL is to provide requirements referring to draft prI-ETS 300 491-1 [5] in respect to ETS 300 383 [4]. References with A (e.g. A.6/5; table A.6, item number 5) reference draft prI-ETS 300 491-1 [5], annex A.

The Profile RL proforma is subdivided into divisions and subdivisions for the following categories of information:

- implementation details;
- protocol details;
- overall conformance claim;
- static requirements:

    1) roles;
    2) major capabilities;
    3) negotiation capabilities;
    4) Protocol Data Units;
    5) Protocol Data Units parameters.

The abbreviations used are those defined in I-ETS 300 491-1 [5].

B.5.2 Static requirements

B.5.2.1 Roles

Table B.1: Implicit roles

Item No.	Role	Ref.	Protocol status	Profile status
1	Master	4.1.2.2.3	o.1	m
2	Slave	4.1.2.2.3	o.1	m
o.1	it is mandatory to support at least one of these options.			

Table B.2: Roles

Item No.	Role	Ref.	Protocol status	Profile status
1	Master	4.1.2.2.3	o.2	m
2	Slave	4.1.2.2.3	o.2	m
3	Sender	4.1.2.2.3	o.3	m
4	Receiver	4.1.2.2.3	o.3	m
o.2	it is mandatory to support at least one of these options.			
o.3	it is mandatory to support at least one of these options.			

B.5.2.2 Service classes

Table B.3: Service classes

Item No.	Service class	Ref.	Protocol status	Profile status
1	Basic kernel	4.1.3.1.2.1	o.4	i
2	Symmetrical service	4.1.3.1.2.1	o.4	m
o.4	it is mandatory to support at least one of the two service classes.			

B.5.2.2.1 Protocol classes - Regimes

Table B.4: Regimes

Item No.	Regime	Ref.	Protocol status	Profile status
1	Association	4.1.2.3.2	m	m
2	Access	4.1.2.3.3	c1	m
3	Transfer	4.1.2.3.4	m	m
c1	IF symmetrical service supported THEN m ELSE n/a.			

B.5.2.2.2 Functional units

Table B.5: Functional units: services

Item No.	Service	Ref.	Protocol status	Profile status
1	File directory service	4.1.4.3	c2	m
2	Load service	4.1.4.4	c2	m
3	Save service	4.1.4.5	c2	m
4	Rename service	4.1.4.6	c2	o
5	Delete service	4.1.4.7	c2	o
6	Typed Data transfer	4.1.4.8	c2	o
7	Mass transfer service	4.1.5.1	m	m
8	Exception report service	4.1.5.2	m	m
c2	IF symmetrical service supported THEN o ELSE n/a.			

B.5.2.2.3 Service elements

Table B.6: Service elements

Item No.	Service	Ref.	Role: Master		Role: Slave	
			Proto Sts	Profil Sts	Proto Sts	Profil Sts
1	T_ASSOCIATE	4.1.2.3.1	m	m	m	m
2	T_RELEASE	4.1.2.3.1	m	m	m	m
3	T_U_ABORT	4.1.2.3.1	c3	m	m	m
4	T_P_ABORT	4.1.2.3.1	c3	m	c3	m
5	T_ACCESS	4.1.2.3.1	c3	m	c3	m
6	T_END_ACCESS	4.1.2.3.1	c3	m	c3	m
7	T_DIRECTORY	4.1.2.3.1	c4	m	c4	m
8	T_LOAD	4.1.2.3.1	c4	m	c4	m
9	T_SAVE	4.1.2.3.1	c4	m	c4	m
10	T_RENAME	4.1.2.3.1	c5	o	c5	o
11	T_DELETE	4.1.2.3.1	c5	o	c5	o
12	T_TYPED_DATA	4.1.2.3.1	c5	o	c5	o
13	T_WRITE	4.1.2.3.1	m[1)]	m[1)]	m[2)]	m[2)]
14	T_WRITE_END	4.1.2.3.1	m[1)]	m[1)]	m[2)]	m[2)]
15	T_U_EXCEPT	4.1.2.3.1	c3	m	m	m
16	T_P_EXCEPT	4.1.2.3.1	c5	m	c5	m
c3	IF symmetrical service supported THEN m ELSE n/a.					
c4	IF basic transfer mode used THEN n/a ELSE c5.					
c5	IF symmetrical service supported THEN o ELSE n/a.					
1)	Corresponding to a Request.					
2)	Corresponding to a Response.					

B.5.2.3 Handling capabilities

The supplier of the implementation shall provide information to describe the negotiation options available in the protocol, and indicate those implemented, in the box below.

Those negotiation capabilities are only available in symmetrical service. The use of these services is negotiated during the Access regime establishment.

Table B.7: Capabilities in symmetrical service

Item No.	Service handled	Ref.	Role: Master		Role: Slave	
			Proto Sts	Profil Sts	Proto Sts	Profile Sts
1	File directory service	4.1.4.1.2.2	n/a	n/a	c6	m
2	Load service	4.1.4.1.2.2	n/a	n/a	c6	m
3	Save service	4.1.4.1.2.2	n/a	n/a	c6	m
4	Rename service	4.1.4.1.2.2	n/a	n/a	o	o
5	Delete service	4.1.4.1.2.2	n/a	n/a	o	o
6	Typed Data service	4.1.4.1.2.2	o	o	o	o
7	Exception report	4.1.4.1.2.2	o	m	o	m
8	Basic Transfer Mode	4.1.4.1.2.6	o	n/a	o	n/a
c6	IF Basic Transfer Mode is used THEN n/a ELSE o.					

B.5.2.4 Protocol Data Units (PDUs)

B.5.2.4.1 Association PDUs

B.5.2.4.1.1 Association PDUs/Association establishment

Table B.8: PDU/Association establishment

Item No.	PDU type	Ref	Protocol status	Profile status
1	T_ASSOCIATE Request	4.1.3.1.1	m	m
2	T_ASSOCIATE Response	4.1.3.1.1	c7	m
c7	IF symmetrical service supported THEN m ELSE o.			

B.5.2.4.2 Access PDUs

B.5.2.4.2.1 Access PDUs/Access establishment

Table B.9: PDU/Access establishment

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_ACCESS Request	4.1.4.1.1	c8	m
2	T_ACCESS Response	4.1.4.1.1	c8	m
c8	IF A.6/5 THEN m ELSE n/a.			

B.5.2.4.2.2 Access PDUs/Access end

Table B.10: PDU/Access end

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_END_ACCESS Request	4.1.4.2.1	c9	m
2	T_END_ACCESS Response	4.1.4.2.1	c9	m
c9	IF A.6/6 THEN m ELSE n/a.			

B.5.2.4.3 Transfer PDUs

B.5.2.4.3.1 Transfer PDUs/File directory

Table B.11: PDU/Directory service

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_DIRECTORY Request	4.1.4.3.1	c10	m
2	T_DIRECTORY Response	4.1.4.3.1	c10	m
c10	IF A.6/7 THEN m ELSE n/a.			

B.5.2.4.3.2 Transfer PDUs/Load service

Table B.12: PDU/Load service

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_LOAD Request	4.1.4.4.1	c11	m
2	T_LOAD Response	4.1.4.4.1	c11	m
c11	IF A.6/8 THEN m ELSE n/a.			

B.5.2.4.3.3 Transfer PDUs/Save service

Table B.13: PDU/Save service

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_SAVE Request	4.1.4.5.1	c12	m
2	T_SAVE Response	4.1.4.5.1	c12	m
c12	IF A.6/9 THEN m ELSE n/a.			

B.5.2.4.3.4 Transfer PDUs/Rename service

Table B.14: PDU/Rename service

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_RENAME Request	4.1.4.6.1	c13	o
2	T_RENAME Response	4.1.4.6.1	c13	o
c13	IF A.6/10 THEN m ELSE n/a.			

B.5.2.4.3.5 Transfer PDUs/Delete service

Table B.15: PDU/Delete service

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_DELETE Request	4.1.4.7.1	c14	o
2	T_DELETE Response	4.1.4.7.1	c14	o
c14	IF A.6/11 THEN m ELSE n/a.			

B.5.2.4.3.6 Transfer PDUs/Typed_Data service

Table B.16: PDU/Typed Data service

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_TYPED_DATA Request	4.1.4.8.1	c15	o
c15	IF A.6/12 THEN m ELSE n/a.			

B.5.2.4.4 Mass Transfer PDUs

B.5.2.4.4.1 Mass Transfer PDUs/Write service

Table B.17: PDU/Write service

Item No.	PDU type	Ref.	Protocol status	Profile status
1	T_WRITE Request	4.1.5.1.1	m	m
2	T_WRITE Response	4.1.5.1.1	o	m

B.5.2.5 PDU parameters

B.5.2.5.1 Parameters of association PDUs

B.5.2.5.1.1 Association establishment request parameters

Table B.18: Association establishment/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Called address	7.1.2.1.3	c16	o	string of 1 - 254 bytes	string of 1 - 254 bytes
2	Calling address	7.1.2.1.4	c16	o	string of 1 - 254 bytes	string of 1 - 254 bytes
3	Application name	7.1.2.1.5	m	m	see table B.18.1	'21'H + '4B'H ("!K")
4	Application response timeout	7.1.2.1.6	o	o	0 1 s - 255 s	0 1 s - 255 s
5	Service Class	7.1.2.1.7	m	m	see table B.18.2	'10'B
6	Explicit confirmation	7.1.2.1.8	m	m	'08'H: explicit confirmation (default value) "00"H: no explicit confirmation	default: "00001000"B ("08"H) else: "????1???"B
7	Identification	7.1.2.1.9	c16	o	see table B.18.3	see table B.18.3
8	Request identifier	7.1.2.1.10	c16	o	"0" B: no identifier requested "1" B: identifier requested	"0"B: no identifier requested "1"B: identifier requested
9	User data	7.1.2.1.11	o	o	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]
c16	IF A.3/2 THEN o ELSE n/a.					

Table B.18.1: Application name parameter values

Item No.	Application name	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Non standardized name	7.1.2.1.5	o	i	first byte different from 21 H + string of 0 - 15 bytes	
2	Standardized applications	7.1.2.1.5	o	m	"21"H + string of 0 - 15 bytes	"21"H + "4B"H

Table B.18.2: Service class parameter values

Item No.	Service class	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Basic Kernel	7.1.2.1.7	o.5	i	"01" B	
2	Symmetrical Service	7.1.2.1.7	o.5	m	"10" B	"10"B
3	Basic Kernel and Symmetrical Service	7.1.2.1.7	o.5	i	"11" B	
o.5	it is mandatory to support at least one of these values.					

Table B.18.3: Identification parameter values

Item No.	Identification parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Identification	7.1.2.1.9	m	m	string of 1 - 31 bytes containing: - parameters of 1 - 12 bytes - "2F"H separator	string of 1 - 25 bytes containing: - name of 1 - 12 bytes - "2F"H as separator - password of 0 - 12 bytes

B.5.2.5.1.2 Association establishment response parameters

Table B.19: Association establishment/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Called address	7.1.2.1.3	c17	o	string of 1 - 254 bytes	string of 1 - 254 bytes
2	Result/Reason	7.1.2.1.2	c18	m	"20"H	"20"H
3	Application response timeout	7.1.2.1.6	c17	o	0 1 s - 255 s	0 1 s - 255 s
4	Identification	7.1.2.1.9	c17	o	see table B.18.3	see table B.18.3
5	User data	7.1.2.1.11	c17	o	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]
c17	IF A.8/2 AND A.3/2 THEN o ELSE n/a.					
c18	IF A.8/2 AND A.3/2 THEN m ELSE n/a.					

Table B.20: Association establishment/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.1.2	c19	m	"20"H + string of 0 - 63 bytes (see table B.20.1)	see table B.20.1 and table C.1/1 in annex C
c19	IF A.8/2 THEN m ELSE n/a.					

Table B.20.1: Reason parameter values for Response Negative

Item No.	Reason	Ref.	Provider				User			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
1	Called address incorrect	6.2.1.1	c20	m	"30"H	"30"H	m	m	"40"H	"40"H
2	Calling address incorrect	6.2.1.1	c20	m	"31"H	"31"H	m	m	"41"H	"41"H
3	Application name unknown	6.2.1.1	n/a	n/a			m	m	"44"H	"44"H
4	Service class refused	6.2.1.1	c20	m	"35"H	"35"H	m	m	"45"H	"45"H
5	Wrong identification	6.2.1.1	n/a	n/a			m	m	"50"H	"50"H
6	Erroneous user data	6.2.1.1	n/a	n/a			m	m	"60"H	"60"H
7	Other reason	6.2.1.1	n/a	n/a			m	m	note 1	note 2
c20	IF A.26/2 THEN m ELSE n/a.									
NOTE 1:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									
NOTE 2:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3], or see table C.1/1.									

B.5.2.5.1.3 Association release parameters

Table B.21: Association release/Response_pos parameters

Item No.	Parameter	Ref	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.2.2	c21	m	"21"H	"21"H
2	User data	7.1.2.1.11	c22	o	string of 1 - 254 bytes	string of 1 - 254 bytes
c21	IF A.3/2 THEN m ELSE n/a.					
c22	IF A.3/2 THEN o ELSE n/a.					

B.5.2.5.1.4 Association abort parameters

Table B.22: Association abort/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Reason	7.2.2	c23	m	if service provider see table B.22.1 else see table B.22.2	if service provider see table B.22.1 else see table B.22.2
c23	IF A.10/1 OR A.11/1 THEN m ELSE n/a.					

Table B.22.1: Reason parameter values for service provider

Item No.	Reason	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Repeated negative acknowledgements/repeated errors	6.2.3.1	c24	o	"70"H	"70"H
2	Delay expired	6.2.3.1	c24	o	"71"H	"71"H
3	Unknown message	6.2.3.1	c24	o	"72"H	"72"H
4	Syntax error/missing parameter	6.2.3.1	c24	o	"73"H	"73"H
5	Unrecoverable lower layer error	6.2.3.1	c24	o	"74"H	"74"H
6	Protocol conflict	6.2.3.1	c24	o	"75"H	"75"H
7	Other reason	6.2.3.1	c24	o	note	note
c24	IF A.29/1 THEN m ELSE n/a.					
NOTE:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].					

Table B.22.2: Reason parameter values for service user

Item No.	Reason	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Wrong identification	6.2.3.1	c25	o	"50"H	"50"H
2	Role refused	6.2.3.1	c25	o	"42"H	"42"H
3	Other reason	6.2.3.1	c25	o	note	note
c25	IF A.29/1 THEN m ELSE n/a.					
NOTE:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].					

B.5.2.5.2 Parameters of access PDUs

B.5.2.5.2.1 Access establishment request parameters

Table B.23: Access establishment/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Role	7.1.2.4.3	c26	m	"0" B: Slave "1" B: Master	"1" B: Master
2	Function	7.1.2.4.3	c26	m	7 bits: see table B.23.1 for coding	7 bits: see table B.23.1 for coding
3	Transfer unit size	7.1.2.4.4	c26	m	512, 1 024 (default value), 2 048, 4 096, 8 192, 16 384, 32 768, 65 528 (note)	512, 1 024 (default value), 2 048, 4 096 (recommended value), 8 192, 16 384, 32 768, 65 528 (note)
4	Anticipation window	7.1.2.4.4	c26	m	1: default value 2 - 8	2 - 8
5	Recovery	7.1.2.4.4	c26	m	"0" B: No recovery (default value) "1" B: Recovery	"0" B: No recovery "1" B: Recovery
6	Transfer mode	7.1.2.4.5	c26	m	"0" B: Basic transfer mode not supported (default value) "1" B: Basic transfer mode supported	default: "0" B: else: "1" B:
7	User data	7.1.2.4.6	c27	o	"91"H"24"H+0 - 252 bytes 2 bytes (see table B.23.2 and table B.23.3)+0 - 252 bytes	byte 1,2: default: "91"H"24"H in addition, see table C.2 in annex C 2 bytes (see table B.23.2 and table B.23.3)+0 - 252 bytes
c26	IF A.12/1 THEN m ELSE n/a.					
c27	IF A.12/1 THEN o ELSE n/a.					
NOTE:	Values corresponding to the maximum block size.					

Table B.23.1: Function parameter details/Primitives handled

Bit No.	Value	Ref.	Role: Master				Role: Slave			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
1	Read-restart	7.1.2.4.3	c28	n/a	note		m	n/a	note	
2	Typed-Data	7.1.2.4.3	c28	o	note	note	m	o	note	note
3	Directory	7.1.2.4.3	n/a	n/a			m	m	note	note
4	Delete	7.1.2.4.3	n/a	n/a			m	o	note	note
5	Rename	7.1.2.4.3	n/a	n/a			m	o	note	note
6	Save	7.1.2.4.3	n/a	n/a			m	m	note	note
7	Load	7.1.2.4.3	n/a	n/a			m	m	note	note
c28	IF A.30/2 THEN m ELSE n/a.									
NOTE:	either 1: valid or 0: not valid.									
Remark:	At least one of the functions Save, Load or Directory shall be accepted.									

Table B.23.2: User data details/First byte coding

Bit No.	TDU/Group	Ref.	Role: Master				Role: Slave			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
0	Load/Group A	7.4.1	n/a	n/a			c29	m	note	note
1	Load/Group B	7.4.1	n/a	n/a			c29	m	note	note
2	Load/Group C	7.4.1	n/a	n/a			c29	n/a	note	
3	Directory/Group A, application name"s subset	7.4.1	n/a	n/a			c29	m	note	note
4	Directory/Group A	7.4.1	n/a	n/a			c29	m	note	note
5	Directory/Group B	7.4.1	n/a	n/a			c29	m	note	note
6	Directory/Group C	7.4.1	n/a	n/a			c29	n/a	note	
7	Save/Group A	7.4.1	n/a	n/a			c29	m	note	note
c29	IF A.30/7 THEN m ELSE n/a.									
NOTE:	either 1: accepted or 0: refused.									

Table B.23.3: User data details/Second byte coding

Bit No.	TDU/Group	Ref.	Role: Master				Role: Slave			
			Proto Sts	Profil Sts	Values allowed by protocol	Values allowed by profile	Proto Sts	Profil Sts	Values allowed by protocol	Values allowed by profile
0	Save/Group B	7.4.1	n/a	n/a			c30	m	note	note
1	Save/Group C	7.4.1	n/a	n/a			c30	n/a	note	
2	Rename/Group A	7.4.1	n/a	n/a			c30	m	note	note
3	Rename/Group B	7.4.1	n/a	n/a			c30	m	note	note
4	Rename/Group C	7.4.1	n/a	n/a			c30	n/a	note	
5	Delete/Group A	7.4.1	n/a	n/a			c30	m	note	note
6	Delete/Group B	7.4.1	n/a	n/a			c30	m	note	note
7	Delete/Group C	7.4.1	n/a	n/a			c30	n/a	note	
c30	IF A.30/7 THEN m ELSE n/a.									
NOTE:	either 1: accepted or 0: refused.									

B.5.2.5.2.2 Access establishment response parameters

Table B.24: Access establishment/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.4.2	c31	m	22H	"22"H
2	Role	7.1.2.4.3	c31	m	"0" B "1" B	"0" B (slave only)
3	Function	7.1.2.4.3	c31	m	7 bits: see table B.23.1 for coding	7 bits: see table B.23.1 for coding
4	Transfer unit size	7.1.2.4.4	c31	m	512, 1 024 (default value), 2 048, 4 096, 8 192, 16 384, 32 768, 65 528	512, 1 024 (default value), 2 048, 4 096 (recommended value), 8 192, 16 384, 32 768, 65 528
5	Anticipation window	7.1.2.4.4	c31	m	1: default value 2 - 8	2 - 8
6	Recovery	7.1.2.4.4	c31	m	"0" B: No recovery (default value) (note) "1" B: Recovery	"0" B: No recovery "1" B: Recovery
7	Transfer mode	7.1.2.4.5	c31	m	"0" B: Basic transfer mode not supported (default value) "1" B: Basic transfer mode supported	"0" B: Basic transfer mode not supported
8	User data	7.1.2.4.6	c32	o	"91"H"24"H+0 - 252 bytes 2 bytes (see table B.22.2 and table B.22.3)+0 - 252 bytes	byte 1,2: default: "91"H"24"H in addition, see table C.2 2 bytes (see table B.22.2 and table B.22.3)+0 - 252 bytes
c31	IF A.12/12 THEN m ELSE n/a.					
c32	IF A.12/12 THEN o ELSE n/a.					
NOTE:	This value has no meaning for the master role.					

Table B.25: Access establishment/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.4.2	c33	m	"22"H + string of 0 - 63 bytes (see table B.25.1)	"22"H + string of 0 - 63 bytes (see table B.25.1)
c33	IF A.12/12 THEN m ELSE n/a.					

Table B.25.1: Reason parameter values for Response Negative

Item No.	Reason	Ref.	Provider				User			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
3	Role refused	6.2.4.1	c34	m	"32"H	"32"H	m	m	"42"H	"42"H
4	Insufficient primitive handled	6.2.4.1	n/a	n/a			m	m	"43"H	"43"H
16	Erroneous user data	6.2.4.1	n/a	n/a			m	m	"60"H	"60"H
19	Other reason	6.2.4.1	n/a	n/a			m	m	note	note
c34	IF A.32/1 THEN m ELSE n/a.									
NOTE:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									

B.5.2.5.2.3 End access request parameters

Table B.26: End access/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Reason	7.2.2	c35	m	if service user see table B.26.1	if service provider see table B.26.1
2	User data	7.1.2.1.11	c36	o	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]
c35	IF A.13/1 THEN m ELSE n/a.					
c36	IF A.13/1 THEN o ELSE n/a.					

Table B.26.1: Reason parameter values for service user

Item No.	Reason	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Insufficient primitives handled	6.2.5.1	c37	o	"43"H	"43"H
2	Other reason	6.2.5.1	c37	o	note 1	note 2
c37	IF A.33/1 THEN m ELSE n/a.					
NOTE 1:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].					
NOTE 2:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3], or see table C.1/5, 8.					

B.5.2.5.2.4 End access response parameters

Table B.27: End access/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.5.2	c38	m	"23"H	"23"H
2	User data	7.1.2.1.11	c39	o	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]	string of 1 - 254 bytes coded in accordance with ITU-T Recommendation T.51 [3]
c38	IF A.13/2 THEN m ELSE n/a.					
c39	IF A.13/2 THEN o ELSE n/a.					

B.5.2.5.3 Parameters of transfer PDUs

B.5.2.5.3.1 File directory parameters

Table B.28: File directory/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	User Data	7.1.2.6.3	c40	o	First byte: "30"H, "31"H (default value), "32"H, "33"H + string of 0 - 253 bytes	First byte: "30"H, "31"H, "32"H + string of 0 - 253 bytes or +"40"H+string of 0 - 252
2	Designation	7.1.2.6.4	c41	m	1 - 8 elementary words, separated by codes (see annex A, table A.42.1)	1 - 8 elementary words, separated by codes (see annex A, table A.42.1)
c40	IF A.14/1 THEN o ELSE n/a.					
c41	IF A.14/1 THEN m ELSE n/a.					

Table B.29: File directory/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.6.2	c42	m	"24"H	"24"H
c42	IF A.14/2 THEN m ELSE n/a.					

Table B.30: File directory/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.6.2	c43	m	"24"H + string of 0 - 63 bytes (see table B.30.1)	"24"H + string of 0 - 63 bytes (see table B.30.1)
c43	IF A.14/2 THEN m ELSE n/a.					

Table B.30.1: Reason parameter values for Response Negative

Item No.	Reason	Ref.	Master				Slave			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
1	Erroneous designation	6.2.6.1	n/a	n/a			c44	m	"47"H	"47"H
2	No answer to the request	6.2.6.1	n/a	n/a			c44	m	"48"H	"48"H
3	Erroneous user data	6.2.6.1	n/a	n/a			c44	m	"60"H	"60"H
4	Other reason	6.2.6.1	n/a	n/a			c44	m	note 1	note 2
c44	IF A.37/1 THEN m ELSE n/a.									
NOTE 1:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									
NOTE 2:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3], or see table C.1/2,3,7,10.									

B.5.2.5.3.2 File load parameters

Table B.31: File load/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	User Data	7.1.2.7.5	c45	o	First byte: "31"H (default value), "32"H, "33"H + string of 0 - 253 bytes	First byte: "31"H, "32"H, "33"H + string of 0 - 253
2	Designation	7.1.2.7.4	c46	m	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1)	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1) specific names for navigation service see annex C, table C.3
3	Recovery point	7.1.2.7.3	c45	o	0 - 65 535	0 - 65 535
c45	IF A.15/1 THEN o ELSE n/a.					
c46	IF A.15/1 THEN m ELSE n/a.					

Table B.32: File load/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.7.2	c47	m	"25"H	"25"H
c47	IF A.15/2 THEN m ELSE n/a.					

Table B.33: File load/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.1.12	c48	m	"25"H + string of 0 - 63 bytes (see table B.33.1)	"25"H + string of 0 - 63 bytes (see table B.33.1)
c48	IF A.15/2 THEN m ELSE n/a.					

Table B.33.1: Reason parameter values for Response Negative

Item No.	Reason	Ref.	Master				Slave			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
1	Erroneous recovery point	6.2.7.1	n/a	n/a			c49	m	"46"H	"46"H
2	Erroneous designation	6.2.7.1	n/a	n/a			c49	m	"47"H	"47"H
3	Unknown file	6.2.7.1	n/a	n/a			c49	m	"49"H	"49"H
4	Erroneous user data	6.2.7.1	n/a	n/a			c49	m	"60"H	"60"H
5	Other reason	6.2.7.1	n/a	n/a			c49	m	note 1	note 2
c49	IF A.40/1 THEN m ELSE n/a.									
NOTE 1:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									
NOTE 2:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3], or see table C.1/2,3,10.									

B.5.2.5.3.3 File save parameters

Table B.34: File save/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	User Data	7.1.2.7.5	c50	o	First byte: "31"H (default value), "32"H, "33"H + string of 0 - 253 bytes	First byte: "31"H, "32"H, "33"H + string of 0 - 253 bytes
2	Designation	7.1.2.7.4	c51	m	string of 1 - 70 bytes containing 0 - 8 elementary words, separated by codes (see annex A, table A.45.1)	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1) specific names for navigation service see annex C, table C.3
3	Recovery point	7.1.2.7.3	c50	o	0 - 65 535	0 - 65 535
c50	IF A.16/1 THEN o ELSE n/a.					
c51	IF A.16/1 THEN m ELSE n/a.					

Table B.35: File save/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.8.2	c52	m	"26"H	"26"H
c52	IF A.16/2 THEN m ELSE n/a.					

Table B.36: File save/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.1.12	c53	m	"26"H + string of 0 - 63 bytes (see table B.36.1)	"26"H + string of 0 - 63 bytes (see table B.36.1)
c53	IF A.16/1 THEN m ELSE n/a.					

Table B.36.1: Reason parameter values for Response Negative

Item No.	Reason	Ref.	Master				Slave			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
1	Erroneous recovery point	6.2.8.1	n/a	n/a			c54	m	"46"H	"46"H
2	Erroneous designation	6.2.8.1	n/a	n/a			c54	m	"47"H	"47"H
3	Already existing file	6.2.8.1	n/a	n/a			c54	m	"4A"H	"4A"H
4	Erroneous user data	6.2.8.1	n/a	n/a			c54	m	"60"H	"60"H
5	Other reason	6.2.8.1	n/a	n/a			c54	m	note 1	note 2
c54	IF A.43/1 THEN m ELSE n/a.									
NOTE 1:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									
NOTE 2:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3], or see table C.1/2,3,10.									

B.5.2.5.3.4 File rename parameters

Table B.37: File rename/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	User Data	7.1.2.7.5	c55	o	First byte: "31"H (default value), "32"H, "33"H + string of 0 - 253 bytes	First byte: "31"H+ string of 0 - 253 bytes
2	Designation	7.1.2.9.3	c56	m	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1)	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1)
3	New name	7.1.2.9.3	c56	m	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1)	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1)
c55	IF A.17/1 THEN o ELSE n/a.					
c56	IF A.17/1 THEN m ELSE n/a.					

Table B.38: File rename/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.9.2	c57	m	"27"H	"27"H
c57	IF A.17/2 THEN m ELSE n/a.					

Table B.39: File rename/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.1.12	c58	m	"27"H + string of 0 - 63 bytes (see table B.39.1)	"27"H + string of 0 - 63 bytes (see table B.39.1)
c58	IF A.17/2 THEN m ELSE n/a.					

Table B.39.1: Reason parameter values for Response Negative

Item No.	Reason	Ref.	Master				Slave			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	profile
1	Erroneous designation	6.2.9.1	n/a	n/a			c59	m	"47"H	"47"H
2	Unknown file	6.2.9.1	n/a	n/a			c59	m	"49"H	"49"H
3	Erroneous new name	6.2.9.1	n/a	n/a			c59	m	"4C"H	"4C"H
4	New name already in use	6.2.9.1	n/a	n/a			c59	m	"4D"H	"4D"H
5	Erroneous user data	6.2.9.1	n/a	n/a			c59	m	"60"H	"60"H
6	Other reason	6.2.9.1	n/a	n/a			c59	m	note 1	note 2
c59	IF A.46/1 THEN m ELSE n/a.									
NOTE 1:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									
NOTE 2:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3], or see table C.1/2,3,10.									

B.5.2.5.3.5 File delete parameters

Table B.40: File delete/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	User Data	7.1.2.7.5	c60	o	First byte: "31"H (default value), "32"H, "33"H + string of 0 - 253 bytes	First byte: "30"H, "31"H, "32"H + string of 0 - 253 bytes or +"04"H+string of 0 - 252 bytes
2	Designation	7.1.2.7.4	c61	m	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1)	string of 1 - 70 bytes containing 1 - 8 elementary words, separated by codes (see annex A, table A.45.1)
c60	IF A.18/1 THEN o ELSE n/a.					
c61	IF A.18/1 THEN m ELSE n/a.					

Table B.41: File delete/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.10.2	c62	m	"28"H	"28"H
c62	IF A.18/2 THEN m ELSE n/a.					

Table B.42: File delete/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.1.12	c63	m	"28"H + string of 0 - 63 bytes (see table B.42.1)	"28"H + string of 0 - 63 bytes (see table B.42.1)
c63	IF A.18/2 THEN m ELSE n/a.					

Table B.42.1: Reason parameter values for Response Negative

Item No.	Reason	Ref.	Master				Slave			
			Proto Sts	Profil Sts	Values allowed by		Proto Sts	Profil Sts	Values allowed by	
					protocol	profile			protocol	support
1	Erroneous designation	6.2.10.1	n/a	n/a			c64	m	"47"H	"47"H
2	Unknown file	6.2.10.1	n/a	n/a			c64	m	"49"H	"49"H
3	Erroneous user data	6.2.10.1	n/a	n/a			c64	m	"60"H	"60"H
4	Other reason	6.2.10.1	n/a	n/a			c64	m	note 1	note 2
c64	IF A.49/1 THEN m ELSE n/a.									
NOTE 1:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									
NOTE 2:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3], or see table C.1/2,3,10.									

B.5.2.5.3.6 Typed Data parameters

Table B.43: Typed_Data/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	User Data	7.1.2.11.1	c65	m	1 - 254 bytes	"20"H till "7F"H ITU-T Recommendation T.51 [3] primary set
c65	IF A.19/1 THEN m ELSE n/a.					

B.5.2.5.3.7 Write parameters

Table B.44: Write/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Explicit confirmation	7.1.2.12.4	m	m	"1" B: confirmation requested "0" B: confirmation not requested	"1" B
2	First block	7.1.2.12.4	m	m	"00" B: block "01" B: first block "10" B: last block "11" B: first and last block	"00" B: block "01" B: first block "10" B: last block "11" B: first and last block
3	Block number	7.1.2.12.4	c66	m	0 - 65 535	0 - 65 535
4	Data field	7.1.2.12.1	m	m	BK: 1 - 1 024 bytes SS: 1-N bytes (see parameter "transfer size unit" of table A.30/3 for N value)	1-N bytes (see parameter "transfer size unit" of table A.30/3 for N value)
c66	IF A.3/2 THEN o ELSE n/a.					

Table B.45: Write/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.12.5	c67	m	"2F"H + block number (see table B.45.1)	"2F"H + block number (see table B.45.1)
c67	IF A.3/2 THEN m ELSE n/a.					

Table B.45.1: Write/Response_pos block number parameter values

Item No.	Parameter	Ref.	Proto Sts	Profile Sts	Value	
					allowed	supported
1	Result/Reason	7.1.2.12.5	c68	m	0 - 65 535	0 - 65 535
c68	IF B.44/3 THEN m ELSE n/a.					

Table B.46: Write/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profil Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.12.5	c69	m	"2F"H + block number (see table B.45.1)	"2F"H + block number (see table B.45.1)
c69	IF A.3/2 THEN o ELSE n/a.					

B.5.2.5.3.8 Write End parameters

Table B.47: Write End/Request parameters

Item No.	Parameter	Ref.	Proto Sts	Profile Sts	Values allowed by	
					protocol	profile
1	Explicit confirmation	7.1.2.12.4	m	m	"0" B: confirmation requested "1" B: confirmation not requested	"0" B
2	First block	7.1.2.12.4	m	m	"00" B: block "01" B: first block "10" B: last block "11" B: first and last block	"00" B: block "01" B: first block "10" B: last block "11" B: first and last block
3	Block number	7.1.2.12.4	c70	m	0 - 65 535	0 - 65 535
4	Data field	7.1.2.12.1	m	m	BK: 1 - 1 024 bytes SS: 1-N bytes (see parameter "transfer size unit" of table A.30/3 for N value)	1-N bytes (see parameter "transfer size unit" of table A.30/3 for N value)
c70	IF A.3/2 THEN o ELSE n/a.					

Table B.48: Write End/Response_pos parameters

Item No.	Parameter	Ref.	Proto Sts	Profile Sts	Values allowed by	
					protocol	profile
1	Result/Reason	7.1.2.12.5	c71	m	"2F"H + block number (see table A.52.1)	"2F"H + block number (see table A.52.1)
c71	IF A.3/2 THEN m ELSE n/a.					

Table B.49: Write End/Response_neg parameters

Item No.	Parameter	Ref.	Proto Sts	Profile Sts	Value	
					allowed	supported
1	Result/Reason	7.1.2.12.5	c72	m	result code + block number + reason (see table B.49.1)	result code + block number + reason (see table B.49.1)
c72	IF A.3/2 THEN m ELSE n/a.					

Table B.49.1: Write End response negative result parameter values

Item No.	Result Element	Ref.	Proto Sts	Profile Sts	Values allowed by	
					protocol	profile
1	Result code	7.1.2.12.5	m	m	"2F"H	"2F"H
2	Block number	7.1.2.12.5	c73	m	0 - 65 535	0 - 65 535
3	Reason	7.1.2.12.5	o	o	string of 0 - 63 bytes (see table B.49.2)	string of 0 - 63 bytes (see table B.49.2)
c73	IF B.44/3 THEN m ELSE n/a.					

Table B.49.2: Reason values for Response Negative

Item No.	Reason	Ref.	Master				Slave			
			Proto Sts	Profile Sts	Values allowed by		Proto Sts	Profile Sts	Values allowed by	
					protocol	profile			protocol	profile
1	Erroneous file	7.1.2.12.3	n/a	n/a			c74	c74	"4B"H	"4B"H
2	Other reason	7.1.2.12.3	n/a	n/a			c74	c74	note	note
c74	IF B.47/1 THEN m ELSE n/a.									
NOTE:	"6F"H + opt. string of 0 - 62 bytes coded in accordance with ITU-T Recommendation T.51 [3].									

Annex C (normative): Profile ICS proforma

This annex describes additional ETS 300 383 [4] profile specific implementation conformance statements. The supplier of a protocol implementation which is claimed to conform to ETS 300 383 [4] shall complete a copy of this annex and shall provide the information necessary to identify both the supplier and the implementation. The references used in the tables refer to ETS 300 383 [4].

C.1 Additional questions

C.1.1 Profile specific reason parameter values

Table C.1: Profile specific reason parameter values

Item No.	Reason	Ref.	Master				Slave			
			Sts	Spt	Value		Sts	Spt	Value	
					allowed	supported			allowed	supported
1	Identifier rejected	8.1.1.3	n/a				c1		"6F"+"21"H	
2	Disk full	8.1.3.7, 8.1.6.1	n/a				c5		"6F"+"22"H	
3	File access impossible	8.1.3.7, 8.1.6.1	n/a				c5		"6F"+"23"H	
4	Reserved	8.3	n/a				m		"6F"+"24"H	
5	User interrupt of communication	8.1.8.1	n/a				c3		"6F"+"25"H	
6	User abort	8.1.6.1	n/a				c4		"6F"+"26"H	
7	Extended format not available	8.3	n/a				c7		"6F"+"27"H	
8	Log access impossible	8.1.6.1, 8.1.8.1	n/a				c6		"6F"+"28"H	
9	Compression format not supported	8.1.6.1	n/a				c4		"6F"+"29"H	
10	Incorrect Recovery FCS	8.1.3.7	n/a				c2		"6F"+"2A"H	
11	Coding error in compressed data	8.3	n/a				m		"6F"+"2B"H	

c1	IF T_ASSOCIATE T-Response-negative THEN m ELSE n/a.
c2	IF (T-Save OR T-Load OR T-Directory OR T-Rename OR T-Delete) response negative THEN m ELSE n/a.
c3	IF T-End-Access THEN m ELSE n/a.
c4	IF T-Transfer-reject THEN m ELSE n/a.
c5	IF (T-Save OR T-Load OR T-Directory OR T-Rename OR T-Delete) response negative OR T-Transfer-reject THEN m ELSE n/a.
c6	IF T-End-Access OR T-Transfer-reject THEN m ELSE n/a.
c7	IF T-Directory response negative THEN m ELSE n/a.

C.1.2 Profile specific access user data field parameter values

Table C.2: Profile specific access user data field parameter values

Item No.	Parameter	Ref.	Sts	Spt	Value	
					allowed	supported
1	Navigation service	8.1.2	o		"4F"H, "00"H	
2	List of capabilities	8.1.2	o		"5F"H	
3	Length	8.1.2	o		1 - 9	
4	Supported compression modes capability information element	8.1.2	o		see table C.2.1	
5	High efficiency compression mode capability information element	8.1.2	c8		see table C.2.2	
c8	IF C.2/4 then o else n/a.					

Table C.2.1: Supported compression modes capability information element

Item No.	Parameter	Ref.	Sts	Spt	Value	
					allowed	supported
1	Capability information element type	8.1.2	c9		"60"H	
2	Length	8.1.2	c9		1 - 3	
3	Basic compression mode	8.1.2	c9		"40"H	
4	High efficiency compression mode	8.1.2	c9		"41"H	
5	Application defined compression mode	8.1.2	c9		"4F"H	
c9	IF C.2/4 then o else n/a.					

Table C.2.2: High efficiency compression mode capability information element

Item No.	Parameter	Ref.	Sts	Spt	Value	
					allowed	**supported**
1	Capability information element type	8.1.2	c10		"61"H	
2	Length	8.1.2	c10		1 - 2	
3	N1	8.1.2	c10		max. value of N1 (note)	
4	N7	8.1.2	c10		max. value of N7 (note)	
c10	IF C.2/5 AND C.2.1/4 then o else n/a.					
NOTE:	See CCITT Recommendation V.42 bis.					

C.1.3 Profile specific names for navigation services

Table C.3: Profile specific names for navigation services

Item No.	Reserved file names	Ref.	Role: Master		Role: Slave	
			Sts	Spt	Sts	Spt
1	"EUROSFT92/NAVIGATION/SELECT"	7.3.5.5	c10		c10	
2	"EUROSFT92/NAVIGATION/RESET"	7.3.5.5	c10		c10	
3	"EUROSFT92/NAVIGATION/LIST"	7.3.5.5	c11		n/a	
4	"EUROSFT92/NAVIGATION/S-LIST"	7.3.5.5	c11		n/a	
5	"EUROSFT92/NAVIGATION/S-FILESTORE"	7.3.5.5	c11		n/a	
c10	IF T-Save THEN m ELSE n/a.					
c11	IF T-Load THEN m ELSE n/a.					

Annex D (informative): Bibliography

For the purposes of this part of the I-ETS, the following documents have been referenced for information:

- CCITT Recommendation V.42 bis (1990): "Data compression procedures for data circuit-terminating equipment (DCE) using error correcting procedures".

- 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 9646-3: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 3: Tree and Tabular Combined Notation (TTCN)".

- ISO/IEC 9646-6 (1992): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol Profile Test Specification".

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