SLOVENSKI STANDARD
SIST ETS 300 243-1 E1:2003

01-december-2003

Terminalska oprema (TE) ï Programirljivi komunikacijski vmesnik (PCI) ï APPLI/COM za faksimilno skupino 3, faksimilno skupino 4 ter storitve teletex in telex ï 1. del: Priporoļ ilo CCITT T.611 (1992) [spremenjeno]

Terminal Equipment (TE); Programmable Communication Interface (PCI) APPLI/COM for facsimile group 3, facsimile group 4, teletex and telex services; Part 1: CCITT Recommendation T.611 (1992) [modified]

Ta slovenski standard je istoveten z: **ETS 300 243-1 Edition 1**

ICS:

33.050.30	Oprema za teleks, teletekst, telefaks	Equipment for telex, teletext, telefax
35.180	Terminalska in druga periferna oprema IT	IT Terminal and other peripheral equipment

SIST ETS 300 243-1 E1:2003 **en**

EUROPEAN TELECOMMUNICATION STANDARD

ETS 300 243-1

November 1995

Source: ETSI TC-TE

Reference: DE/TE-02015-1

ICS: 35.180, 33

Key words: PCI, APPLI/COM, facsimile, teletex, telex

Terminal Equipment (TE); Programmable Communication Interface (PCI) APPLI/COM for facsimile group 3, facsimile group 4, teletex and telex services Part 1: CCITT Recommendation T.611 (1992) [modified]

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

*

Foreword

This European Telecommunication Standard (ETS) was produced by the Terminal Equipment (TE) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS comprises two parts:

"Terminal Equipment (TE); Programming Communication Interface (PCI) APPLI/COM for facsimile group 3, facsimile group 4, teletex and telex services;

Part 1: CCITT Recommendation T.611 (1992) [modified],

Part 2: Conformance testing".

Transposition dates	
Date of adoption of this ETS:	10 November 1995
Date of latest announcement of this ETS (doa):	29 February 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 August 1996
Date of withdrawal of any conflicting National Standard (dow):	31 August 1996

Endorsement Notice

CCITT Recommendation T.611 (1992) [1] provides the technical description of the APPLI/COM interface. The text of CCITT Recommendation T.611 (1992) [1] was approved by ETSI as an ETS with the agreed modifications as given below.

NOTE: New or modified text is indicated using side bars.

Normative references

Part 1 of this ETS incorporates by dated or undated reference, provisions from an other publication. This normative reference is cited at the appropriate places in the text and the publication is listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this Part of the ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies:

[1] CCITT Recommendation T.611 (1992): "Programmable Communication Interface (PCI) APPLI/COM for facsimile group 3, facsimile group 4, teletex and telex services".

Application guidelines and common modifications to CCITT Recommendation T.611

The following modifications define how CCITT Recommendation T.611 [1] shall be interpreted. Areas which may be ambiguous are addressed and clarified. All remarks, references and comments are related to CCITT Recommendation T.611 [1].

1) Delete the scope statement (clause 2) and insert the following:

2 Scope

Part 1 of this European Telecommunication Standard (ETS) describes the high layer software interface APPLI/COM, located inside a terminal equipment between two logical entities, the Local Application (LA) and the Communication Application (CA).

The technical description of the APPLI/COM interface is contained in CCITT Recommendation T.611 (1992) [1].

For the application of Part 2, this ETS contains application guidelines and amendments to be applied to CCITT Recommendation T.611 [1] to fulfil the requirements of ETS 300 243-2.

2) Page 1, clause 1, replace 3rd paragraph starting with "The APPLI/COM interface can be used..." by the following:

The APPLI/COM interface can be used in communication equipment to give access to the facsimile group 3, facsimile group 4, teletex and telex services. The access to the telex services does not include the dialogue facility.

3) Page 1, subclause 1.1, replace the headline "1.1 Normative References" by:

1.1 Informative references.

4) Page 1, subclause 1.1, add the following two informative references:

- Recommendation F.59, General characteristics of the international telex service.

- Recommendation F.60, Operational provisions for the international telex service.

5) Page 12, subclause 6.3.2, replace complete subclause, starting with "This section describes ..." by the following:

This section describes the syntax of the ICE. The first syntax element in the ICE is always the APPLI/COM Header. No other elements, including SPACE and TABULATION format effectors are allowed before. Following are the CA-Descriptors. A CA-Descriptor is introduced by a single line containing a '#' (NUMBER SIGN) as first element. The detailed syntax is described in BNF-based grammar in annex A.

6) Pages 13, 14, 15 and subclause 6.3.3, table 1, describing the ICE components shall be replaced by the text and tables shown below. These tables contain the same information as the table provided by CCITT Recommendation T.611 [1] with minor editorial corrections. However, the structure shown as follows makes their use more evident:

Table 1: CA-Descriptor information items independent of operating system or exchange mechanism

Keyword [1)]	Parameter	Interpretation
APPLICOM	String	Shall be the first definition of a CA-Descriptor. The keyword is followed by any string, in order to identify the manufacturer of the CA, for instance.
DRF	"yes" | "no"	States whether the CA supports the “Dispatch Received Files” facility.
EM	"file" | "primitive"	Exchange Method used to interchange TDDs between LAs and CAs. "file" and "primitive" are the supported values (see annex 5 for further details).
CODING*	Code-ID	Specifies which TDD encoding scheme is supported by the CA. See annex C for the supported values that can be specified.
COUNTRY	String	Specifies the country for which the CA is configured. Used to register country specific features like gaining access to the conversion facility or accessing the black list of dialling numbers. The value to be placed in the parameter is to be taken from CCITT Recommendation T.35. It shall be presented as a decimal counted, numeric string, i.e. "154" for the Seychelles.
FC	"A" | "B"	States which Functional Class the CA supports.
TLX	"STD"	Used only if the CA offers the Telex service. In this case, the value “STD” shall be specified.
TX	"STD"	Used only if the CA offers the Telex service through a Teletex gateway. In this case, the value “STD” shall be specified.
TTX*	"STD", "OPD", "MD", "CTL", "DTM", "BFT", "EDI"	Used only if the CA offers the Teletex service. In this case, in the minimum the value “STD” shall be specified.
FX3*	"STD", "BTM", "DTM", "BFT", "EDI"	Used only if the CA offers the Facsimile Group 3 service. In this case, in the minimum the value “STD” shall be specified.
FX4*	"STD", "OPD", "MD", "CTL", "DTM", "BFT", "EDI"	Used only if the CA offers the Facsimile Group 4 service. In this case, in the minimum the value “STD” shall be specified.

(continued)

1) A '*' (star) at the end of a keyword indicates that this keyword may be repeated.

Table 1 (concluded): CA-Descriptor information items independent of operating system or exchange mechanism

Keyword	Parameter	Interpretation
ADDKEYS*	keyword	Lists all the additional keywords supported by the CA. Only keywords classified as “+” in the TDD tables of clause 7 may be specified here.
EXTEND*	keyword	Provides the possibility for extensions to the Recommendation. Can only be implemented as formal changes to the Recommendation. All the CA-supported keywords shall be listed.
NATIONAL*	keyword	Provides the possibility for national extensions to the Recommendation. Can only be implemented with the approval of national administrations. (All supported keywords shall be listed).
PRIVATE*	keyword	Provides the possibility for private extensions to the Recommendation. (All supported keywords shall be listed).
SUBMIT*	"PRINT", "CONVERT", "CHECK"	Declares which functions are supported in the Submit TDD function. This keyword shall be repeated as many times as required.
CONVCHK*	Convert-ID	Declares which transfer formats are supported in the Submit TDD function CONVERT and/or CHECK.
PRINT*	Print-ID	Declares which printers could be addressed by the CA in the Submit TDD function PRINT.
CODEPAGE*	string	Specifies the additional code pages for the extended ASCII character sets the CA supports. String indicates the number of the code page (e.g. "850").
RECORD*	keyword, integer	Gives the complete list of CA-Record field names supported by the CA, in the order they are found in the file resulting from the TRACE:COPY function. The CA shall state the keyword followed by - and separated by comma - the length the field will have in the resulting file.
ENVIRON*	"MSDOS", "WINDOWS", "UNIX", "OS2", "MacOS"	This keyword specifies the operating environment of the CA. If a CA supports several environments, the ICE shall contain as many ENVIRON keyword instances as the number of different operating systems supported.

Table 1a: CA-Descriptor information items applying for the file exchange mechanism

Keyword	Parameter	Interpretation
SYNC	"yes" | "no"	Indicates whether the CA is “sync-driven”. See annex E for further details.
F_JOB_Q	Path	Specifies the path of the TDD request files. See annex E for further details.
F_ACK_Q	Path	Specifies the path of the TDD response files. See annex E for further details.
ERROR_Q	Path	Specifies the path of the TDD response files relating to errors. See annex E for further details.

Table 1b: CA-Descriptor information items applying to the primitive exchange mechanism, any operating system

Keyword	Parameter	Interpretation
ALARM	"yes" | "no"	States whether the CA supports the SetAlarm function.

Table 1c: CA-Descriptor information items applying to the primitive exchange mechanism, MS/DOS operating system

Keyword	Parameter	Interpretation
DRIVER	Path	Name of the driver that shall be opened to initiate dialogues with the CA. See annex E for further details.
INT	hex,hex [2)]	Indicates the interrupt number. Two hexadecimal numbers; the first specifies the multiplex number, the second the program code number. If the interrupt is not multiplexed, then the second hex number shall not be specified.
LIB	"yes" | "no"	CA is a static library (LA shall be linked to it).
LIB-NAME*	Path	Path(s) of the library(ies) (used in conjunction with the LIB keyword).

Table 1d: CA-Descriptor information items applying to the primitive exchange mechanism, WINDOWS system

Keyword	Parameter	Interpretation
INT	hex,hex [3)]	Indicates the interrupt number. Two hexadecimal numbers; the first specifies the multiplex number, the second the program code number. If the interrupt is not multiplexed, then the second hex number shall not be specified.
LIB	"yes" | "no"	CA is a static library (LA shall be linked to it).
LIB-NAME*	Path	Path(s) of the library(ies) (used in conjunction with the LIB keyword).
DLL	"yes" | "no"	Dynamic Link Library. See annex E. The 'DLL-NAME' keyword shall be supported only if the DLL exchange mechanism is supported.
DLL-NAME*	Path	Path(s) of the DLL file(s) (used in conjunction with the DLL keyword).
DDE	"yes" | "no"	Dynamic Data Exchange mechanism. In the WINDOWS environment if the application supports the DDE exchange mechanism, it shall specify "yes". See annex E. The next three keywords shall be included in the ICE if the DDE mechanism is used.
WIN-APP	String	Application Name (MsDos format) XXXXXXXX.XXX.
SUBJECT*	String	All CA "Subjects" shall be mentioned (if any) otherwise leave empty (to be used with the DDE keyword).
ITEM*	String	All CA "Items" shall be mentioned (if any) otherwise leave empty (to be used with the DDE keyword).

Table 1e: CA-Descriptor information items applying to the primitive exchange mechanism, OS/2 operating system

Keyword	Parameter	Interpretation
For Further Study		

Table 1f: CA-Descriptor information items applying to the primitive exchange mechanism, UNIX operating system

Keyword	Parameter	Interpretation
For Further Study		

---

2) Note that the syntax has changed from the original i.e. the original syntax stated "hex-hex", and it reads "hex,hex" now.
3) Note that the syntax has changed from the original i.e. the original syntax stated "hex-hex", and it reads "hex,hex" now.