

Implementation of
ENV 41213-1:1992

Information systems interconnection — Virtual terminal — Basic class — A-mode “Telnet” —

Part 1: Virtual terminal service

UDC 681.324.022:681.327.8

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Cooperating organizations

The Joint European Standards Institution (CEN/CENELEC), under whose supervision this European Prestandard was prepared, comprises the National Committees of the following countries:

Austria	Italy
Belgium	Luxembourg
Denmark	Netherlands
Finland	Norway
France	Portugal
Germany	Spain
Greece	Sweden
Iceland	Switzerland
Ireland	United Kingdom

This Draft for Development was published under the authority of the Standards Board and comes into effect on 15 January 1993

© BSI 04-2000

The following BSI reference relates to the work on this Draft for Development:
Committee reference IST/21

ISBN 0 580 21607 1

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Foreword	2
Text of ENV 41213-1	3

National foreword

This Draft for Development is identical with the European Prestandard ENV 41213-1:1992 *Information systems interconnection — Virtual terminal — Basic class — A-mode “Telnet” — Part 1: Virtual terminal service*, prepared by CEN/CENELEC whose members have committed themselves to making it available in an appropriate form. In the UK the Draft for Development is the form now chosen for ENVs in the information technology area.

This Draft for Development is published under the direction of the Information Systems Technology Standards Policy Committee whose Technical Committee IST/21 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any queries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE International and European Standards, as well as overseas standards, are available from BSI Sales Department, BSI, Linford Wood, Milton Keynes, MK14 6LE.

After two years this ENV will be reviewed by CEN/CENELEC members with a view to its

- conversion into a European Standard (which would be implemented in the UK as a British Standard);
- extension once for a further two years;
- replacement by a revised ENV (which would be published in the UK as a revised Draft for Development);
- withdrawal.

The future of this Draft for Development is therefore bound to that of the ENV and the Draft for Development will not be reviewed or developed separately.

This publication is not to be regarded as a British Standard.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ENV title page, pages 2 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC 681.324.022:681.327.8

Descriptors: Data processing, open systems interconnection, data transmission, mode of transmission, start-stop transmission, data terminal equipment, services, protocols

English version

Information systems interconnection —
Virtual terminal — Basic class — A-mode “Telnet” —
Part 1: Virtual terminal service

Interconnexion de systèmes d'information —
Terminal virtuel — Classe de base —
Protocole Telnet en mode asynchrone —
Partie 1: Service de terminal virtuel

Kommunikation von Informationssystemen —
Virtuelles Terminal Grundklasse — A-Modus
“Telnet” — Teil 1: Virtuelles Terminal
Dienste

This European Prestandard (ENV) was approved by CEN/CENELEC on 1992-06-24 as a prospective standard for provisional application. The period of validity of this ENV is limited initially to three years. After two years the members of CEN/CENELEC will be requested to submit their comments, particularly on the question whether the ENV can be converted into a European Standard (EN).

CEN/CENELEC members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into a EN is reached.

CEN/CENELEC members are the national standards bodies and national electrotechnical committees, respectively, of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN/CENELEC

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© 1992 Copyright reserved to CEN/CENELEC members

Foreword

This European Prestandard (ENV) was elaborated by the EWOS Expert Group Virtual Terminal (EWOS/EG VT).

It was submitted for formal vote by the CEN Central Secretariat to the members of CEN/CENELEC on 1991-05-22 with the deadline of 1991-08-22. The result of the formal vote was positive.

In order to incorporate comments into the adopted ENV a voting/resolution meeting was held during the EWOS Workshop of 1992-01-07, when the comments were accepted by the delegates present.

According to the CEN/CENELEC Common Rules, the following countries are bound to announce the existence of this European Prestandard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Contents

	Page
Foreword	2
0 Introduction	3
1 Scope and field of application	3
1.1 Scope	3
1.2 Field of application	3
2 Conformity	3
2.1 Conformity principles	3
2.2 Relationship with Base Standards	4
3 References	4
3.1 Base References	4
3.2 Additional references	4
4 Definitions	4
5 Abbreviations	4
6 Scenario description	4
7 VT Service options	5
7.1 Functional Units	5
7.2 Mode	6
8 VT-environment parameters	6
8.1 Display Object VTE-parameters	6
8.2 DO Addressing VTE-parameters	7
8.3 Character Attributes VTE-parameters	7
8.4 Control Objects and their VTE-parameters	8
8.5 Device Object VTE-parameters	8
8.6 Delivery Control	9
9 VTE profiles	9
9.1 Standard VTE-profile for “Telnet” operation	9
Annex A (informative) Object identifiers	Inside back cover
Figure 1 — Interactive VT communication between two End Systems	4
Figure 2 — VT Protocol Stack	5
Table 1 — Functional units	5
Table 2 — VT Mode	6
Table 3 — Miscellaneous DO VTE-parameters	6
Table 4 — DO Addressing VTE-parameters	7
Table 5 — Character Attributes VTE-parameters	7
Table 6 — Definition of character repertoires	8
Table 7 — Control Object types	8
Table 8 — Device Object VTE-parameters	8
Table 9 — Delivery Control VTE-parameter	9
Table 10 — Profile support	9