

BRITISH TELECOM*
PRESTEL SERVICE

APPLICATION FOR EVALUATION OF PRIVATELY SUPPLIED TERMINALS/PERIPHERALS FOR
CONNECTION TO THE PRESTEL SERVICE.

MANUFACTURER
COMPANY
NAME AND ADDRESS

FELSTED SCHOOL, (Acorn Computer)
FELSTED,
DUNMOW,
ESSEX CM6 3TG

?

PERSON TO WHOM TECHNICAL
ENQUIRIES SHOULD BE DIRECTED

C. C. H. DAWKINS

TELEPHONE NOS.

Gt. Dunmow (0371) 820130
+ (Private line) (0371) ?
+ (August 1981) 01-500-5690 (A.R. Gordon)

TITLE OF EQUIPMENT/TERMINAL

Acorn System 3

Acorn System 3P

?

IMPORTANT: This form must be submitted to British Telecom Headquarters ME/RCS1.2.1.1,
Tenter House, 45 Moorfields, LONDON EC2Y 9TH, in DUPLICATE together with single copies
of any other material submitted.

(One photocopy and an original form will be acceptable.)

ME/RCS1.2.1.1
ME/RCS1.2.2.2

APRIL 1981

* British Telecom is part of the Post Office.

REFERENCES

THE QUESTIONS IN THIS DOCUMENT ARE BASED ON THE REQUIREMENTS SPECIFIED IN:-

- a. The Prestel Terminal Specification.
- b. Technical Guide No. 2
- c. Technical Guide No. 5
- d. Technical Guide No. 26
- e. Technical Guide No. 30

HOW TO COMPLETE THE QUESTIONNAIRE

This questionnaire is designed to help you describe your equipment and is not intended to cover all mandatory sections of the Prestel terminal specification. Administrative details are dealt with on the last page of this questionnaire. This page must be completed by a person at the appropriate level within the Company.

Please tick the appropriate box(es) for each question, or give the details required. If the question is not applicable, indicate by N/A.

If you have difficulty answering any of the questions, please contact our engineers on 01-432 3179.

1 IS THE EQUIPMENT YOU ARE SUBMITTING TO BE TESTED AS:-

i. a Terminal with integral modem

☒

ii. a Terminal requiring external modem

☐

iii. a Micro Computer based system adapted for Prestel access

☒

iv. an adaptor for use with TV sets certified by BSI as meeting BS415

☐

2 IF YOUR EQUIPMENT REQUIRES AN EXTERNAL MODEM, HAS IT RECEIVED DATEL 600 CERTIFICATION

YES

☐

NO

☐

3 BARRIER UNIT

YES

☒

NO

☐

a. Is a standard line ^{terminating} coupling unit used

b. Give details of standard LCU

L.T.U. 11 mk 2 May 1980

MANUFACTURER

DIAGRAM NO.

c. If non standard LCU is being used details:-

Will production model use non standard LCU or L.T.U.?

MANUFACTURER

N/A

DIAGRAM NO.

i. Isolating Transformer

ii. Gas Discharge Tube

*iii. Quick Blow Fuses

*iv. Relays

* These items not required if Transformer meets Section 6.6.1 (Edition One) of the Prestel Terminal specification.

- v. Draw block diagram of the Transformer, Fuse, GDT and Relay configuration, or if available send PCB and drawings or diagrams.

BLOCK DIAGRAM

N/A

4 POWER SUPPLIES

		TYPE	DIAGRAM NO.
i. Power Supply		Transformer/regulators ?	?
ii. EHT Supply (if any)	None		
Is it current limited?	N/A	<div>YES</div> <input type="checkbox"/>	<div>NO</div> <input type="checkbox"/>
iii. Mains Filter (if any)	None		
iv. If equipment contains EHT enclose High Voltage Certification as described in Section 6.7 of Prestel Terminal Specification (Edition One).			
v. If equipment is an adaptor describe below the means of aerial isolation employed.	Not an adaptor		

5 INTERFACES

- i. a. The equipment has a printer interface

YES

☐

NO

☒

- b. Give details of printer interface connection, pin functions and connector type.

- ii. a. The equipment has a tape cassette interface

YES

☐

NO

☒

- b. Give details of tape interface connections, pin functions and connector type.

- iii. a. The equipment has a keyboard interface

YES

☒

NO

☐

- b. Give details of keyboard interface connections, pin functions and connector type.

20-way RS Speedblox connector

Pin 1 → 7 = Port A 1 → 7	12 = Port B 1
8 = $\phi 2$	13 = +5V
9 = Port A 0	14 → 20 = Port B 2 → 7
10 = Port B 0	
11 = 0V	

- iv. a. The equipment has RGB and sync interfaces

YES

☒

NO

☐

- b. Describe type of connection used and indicate whether Drivers are I/P or O/P and if any safety devices are employed.

5-pin 180° DIN socket on computer connected directly to 74LS86 TTL Quad EOR gate driven from SAA5060; no special drivers.

- v. Describe below any interfaces provided by equipment not covered by Q5 i. to 5 iv. Detail pin function and connector type.

Econet interface comprising ~~consisting~~ of an Econet card plugged into computer backplane containing a 6854 ADLC driving a 75159 balanced line driver connected to a 5 pin 180° DIN socket. (Atom diagram 200,024). Pin 1 = data +
2 = " -
3 = ~~ground~~ or common 0V
4 = clock +
5 = clock -

6 GENERAL FACILITIES

- | | YES | NO |
|--|-------------------------------------|--------------------------|
| i. a. Is Auto-Dialling provided | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. The total number of telephone numbers that can be stored in telephone number memory is | <input type="text" value="2+"/> | ? |
| ii. Describe below method by which telephone numbers are programmed. Indicate if a write disable switch is employed. | | |

At present entirely by software in RAM loaded from disc.
In due course, in EPROM.

- iii. Describe below method by which the ID is programmed into the terminal.

Same as the telephone numbers.

- iv. Describe below the type of display employed (include screen size and whether monochrome or colour).

9" B+W Hitachi monitor. RGB monitor to be obtained.

7 MICRO COMPUTER BASED SYSTEMS

TERMINAL IDENTIFIERS

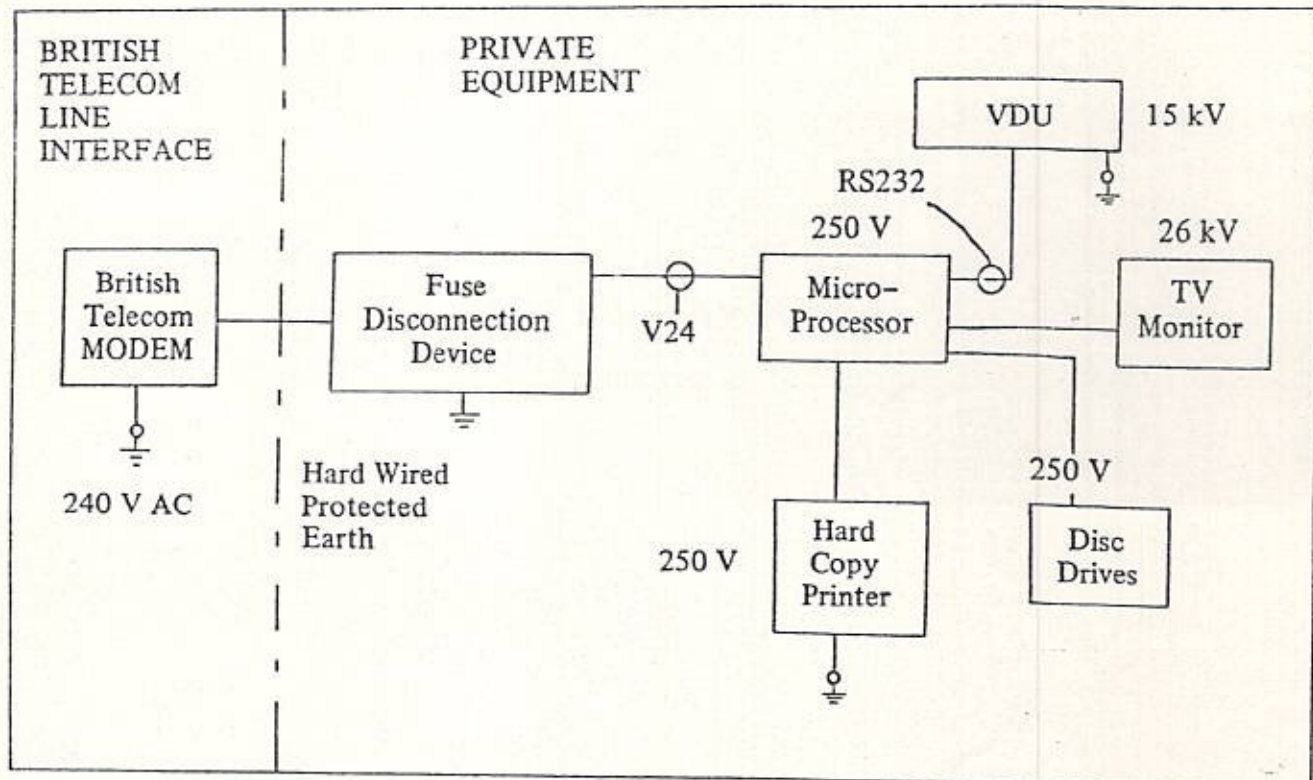
Detail how ID is stored and transmitted in your system (actual or proposed)

Software in RAM loaded from disc.
Later in EPROM.

Draw a Block Diagram of the system layout detailing:-

- Demarcation between the private system and British Telecom Line Interface.
- Mains and Earth connection distinguishing between an Earth derived from plug or hard wired.
- The maximum voltage present in each device.
- Manufacturer and model of equipment being used.

EXAMPLE



CONDITIONS RELATING TO THE CERTIFICATION OF PRIVATE EQUIPMENT SUPPLIED FOR
CONNECTION DIRECTLY OR INDIRECTLY TO POST OFFICE INSTALLATIONS

TERMS AND CONDITIONS OF CERTIFICATION

On behalf of the Company applying for certification it is hereby agreed that if certification of the equipment for its use in conjunction with the Post Office Prestel Service is granted, it shall be subject to the terms and conditions of the standard suppliers Agreement that exists at the time of dating of this application, and the requirements of Technical Guides Numbers 26 and 30 and the Prestel Service Terminal Specification.

REGISTRATION

Registered Name:

FELSTED SCHOOL

Registered Office:

FELSTED SCHOOL,
FELSTED,
DUNMOW,
ESSEX CM6 3JG

Registered Number:

Place of Registration:

Name
(Block Caps)

C. C. H. DAWKINS

Signature*

C. C. H. Dawkins

Date

18th June 1981

* This application must be signed by a person employed by the Company applying and authorised by the Company to sign such documents.