



Notification Number: 1995/232/F

## **P22 30 A-ed level 3 of the call command protocol D for access to the ISDN (at the S and T interfaces)**

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### Message

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DIRECTIVES 83/189/EEC, 88/182/EEC AND 94/10/EC



TRANSLATION OF TELEX 001  
NOTIFICATION 95/0232/F

- 3B1 : 9501222.EN

**1. Structured Information Line**

TLX 002 IND- 95 0232 F-- EN ----- 950801 --- ---

**2. Member State**

FRANCE

**3. Department Responsible**

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**4. Notification Number**

95/0232/F

**5. Title**

P22 30 A-ed level 3 of the call command protocol D for  
access to the ISDN (at the S and T interfaces)

**6. Products Concerned**

This draft regulation concerns ISDN terminal equipment.

**7. Notification Under Another Act**

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**8. Main Content**

Adopting this rule of approval will lead to the following  
specifications being withdrawn:

No. REFERENCE SPECIFICATION (FR)

P10 10 A ed 1 specification of compatibility 93 217 F

points and associated tests

P11 10 A-ed 1 level 1 of the basic access 92 198  
F

to the ISDN user-network interface



(S and T interfaces)

P10 20 A-ed 1 List of the additional tests 94 151 F  
applicable to the terminals  
corresponding to NET3 and NET5 for their  
connection to the Euro-Numéris network

P11 22 A-ed 1 list of tests for the approval 93 32 F  
of level 1 ISDN-VN3 equipment, of  
the basic access of the terminal  
(side la)

P11 23 A list of tests for the approval 92 328 F  
of level 1 ISDN-VN3 equipment, of the  
basic access of the TNA user side (side lb)

P11 24 A-ed 1 list of tests for the approval of 92 326 F  
level 1 ISDN-VN3 equipment, of the  
primary access of the terminal  
(side la)

P11 26 A-ed 1 list of tests for the approval of 92 331 F  
level 2 ISDN-VN3 equipment,  
SAPI S(SUB), basic access of the terminal  
(side la)

P11 27A list of tests for the approval 92 352 F  
of level 2 ISDN-VN3 equipment,  
SAPI S (SNB), basic access of  
the TNA (side lb)

PI1 28 A-ed 1 list of tests for the approval 92 330 F  
of level 2 ISDN-VN3 equipment,  
SAPI P (PUB), basic access of the terminal

PII 30 A-ed 1 list of tests for the approval 92 329 F  
of level 2 ISDN-VN3 equipment,  
SAPI S(SUP), primary access of the terminal  
(side la)

PII 32 A-ed 1 list of tests for the approval 92 325 F  
of level 2 ISDN-VN3 equipment,  
SAPI P (PUP), primary access of the  
terminal (side la)

PII 34 A-ed 1 list of tests for the approval 92 324 F  
of level 3 ISDN-VN3 equipment,  
(DUB), basic access of the terminal  
(side la)

PII 35A list of tests for the approval 93 076 F  
of level 3 ISDN-VN3 equipment,



(DNB), basic access of the TNA  
(side Ib)

PII 36 A-ed 1 list of tests for the approval 92 323 F  
of level 3 ISDN-VN3 equipment,  
(DUP), primary access of the  
terminal (side Ia) 23/10/92

P12 10 A-ed 1 level 1 of the primary access 92 233 F  
to the ISDN user-network interface  
(S and T interfaces)

P21 10A-ed 1 data link protocol in channel 92 234 F  
D (LAP D) of access to the  
ISDN (at the S and T interfaces)

P22 30A-ed 1 level 3 of the call command 92 271 F  
protocol D for access to the  
ISDN (at the S and T interfaces)

PII 93 A list of tests for the approval 93 328 F  
of ISDN-VN3 equipment  
Interworking of the  
TNA with the public network

P23 10 A ed 1 Test principles for the approval 92 322 F  
of the S/T interfaces of ISDN-VN3 equipment

P 24 12 A Addressing and compatibility 93 329 F  
control principles of VN4  
terminals

P 24 20 A Data link protocol in channel D 93 330 F  
(LAP D) of access to ISDN-VN4

P 24 30 A Level 3 of the call command 93 331 F  
protocol D to the ISDN  
user-network S and T interfaces

## **9. Brief Statement of Grounds**

The specifications are applicable within the framework of the national system of approval for terminal equipment which can be connected to the French ISDN which coexists with the European system (NET 5 + P 10 20 A / iCTR + P 10 20 A). A development of these specifications towards edition 2 (aim of this notification) results from the implementation of the interim CTR.

The technical developments, integrated into edition 2 of these specifications, are identified in the following:



#### Note

The tests relating to the additional services only examine the non disturbance of the basic call and in no way the service given.

I/- Specifications of level 1 of the user-network interface:

- P 11-10 A edition 2 (basic access)

The detection of the remote power feed by the terminal equipment becomes optional.

- P 12-10 A edition 2 (primary flow rate access)

The implementation of CRC4 (cyclic redundancy check category 4) becomes compulsory, in accordance with the ETSI reference standard. It must be able to be prohibited as in edition 1.

II/- Specifications of level 2 of the user-network interface:

- P 21-10 A edition 2 (LAP D data link protocol)

The inter-frame filling on primary access must be carried out using consecutive flag sequences, in order to correspond to the ETS 300 011 standard (level 1 of the primary flow rate access).

An informative annex specifying the TEI removal procedures (terminal identifier) using terminal equipment is introduced.

The procedures applicable to the primary flow rate S interface are transferred to another informative annex.

III/- Specifications of level 3 of the user-network interface:

- P 22-30 A edition 2 (call command protocol D)

Alignment of the network with the ETSI standards concerns the following points:

- the network analyses the destination number by ignoring the field ' type number

- the network specifies that the dialling is in the 'block' mode when the piece of information 'End of transmission' is present in the SET-UP message., the network supplies the piece of information 'progression indicator' (with the value 1) in the message CALL DISPATCHED sent towards the applicant.,



- the network processes a possible request for the secret identity of the caller in the eight-bit byte 3a of the piece of information 'Origin number' supplied by the applicant.,
- the network accepts the call request with the notification 'channel B preferred' in the piece of information 'channel identification' supplied by the applicant during an outgoing call.,
- the network no longer uses the call reference 0 during the announcement of an incoming call.,
- the network indicates the value 'ISDN dialling plan' (instead of an 'unknown' value) in the identification field of the dialling plan of the piece of information Number of destination supplied to the addressee when an incoming call is announced.,
- when the piece of information Higher Layer Compatibility (HLC) is received with the value 'non standardised application' or 'unknown networked services', the incoming changeover switch of the network eliminates this piece of information., if the value received is 'unknown networked services', the network generates in its place the piece of information indicating progress containing the progress description. coded with the value 3 (signifying non ISDN origin address).,
- during the announcement of an incoming call, the network supplies the value 'channel B exclusive' in the channel identification piece of information included in the SET-UP message.,
- during the announcement of an incoming call, the network systematically includes the piece of information 'End of transmission' in the SET-UP message (block transmission of the destination number).,
- during the announcement of an incoming call on a point to multipoint type access configuration, the network accepts the call in progress notification (a message CALL IN PROGRESS sent by one or more destination terminals).,

The following information is supplied by way of information and does not generate any additional test.

- acceptance of the piece of information 'progress indicator' by the originating network.,
- extension of the additional directory number (ADN) to 14 eight-bit bytes transported by the network in the origin number piece of information supplied by the applicant.,



- method of operation of the back-up (CB) is brought to a maximum length of 11 eight-bit bytes in both directions.,
- introduction of new timed-out 'Call forwarding' build-out services (RANR).,
- development of build-out services:
- total cost (number of processing units for the transmission of information from access to access)
- Terminal transfer: introduction of terminal transfer in Active phase (RVTEA).,
- definition of 2 protocol discriminator codes in the messages for the private user and of one user protocol discriminator code for the specific Transgroup user to user signalling,
- details are provided for the processing of the incoming multipoint call.,
- the length of the piece of information 'User to user information' authorised in the USER INFORMATION message goes from 64 to 128 eight-bit bytes.,
- non-identification of the call, by introducing the permanent mode modifiable by the user (by calling special numbers),
- non-identification of the call, by using the prefix 36 51 in the destination number,
- issue of a waiting film or a tone in the case of a subscriber on hold (double call).,
- introduction of a signalling service between the user and PCS (SUP),
- acceptance of the method of operation of the coded back-up (CB) 'digital information without restriction with tones/announcements (processed like the value digital information without restriction).,
- signalling for the 7 kHz telephone and the videophone, without effect on the network.
- A new informative annex is introduced to specify certain codes or procedures which contribute to ensuring compatibility with the ETSI reference standard



## Conclusion

These amendments cause:

- a reduction in the number of tests carried out to obtain approval of an ISDN terminal in France.
- an opening towards compatibility with the ISDN Euro network.

The French Authorities point out that this notification only concerns one of the three possibilities offered to obtain approval with a view to connecting ISDN terminal equipment to the French ISDN network.

In fact, ISDN terminal equipment, destined for connection to the French ISDN network must conform with one of the following:

- the CTRI and the ISDN complement (specificity of the French network)
- the NETs and the ISDN complement (specificity of the French network)
- the national regulations on access to the ISDN (this is the system covered by this notification.)

The French authorities draw the Commission's attention to the fact that the national system will be suppressed once the French ISDN network is in a position to welcome terminal equipment which conforms only to the CTRs. This suppression, initially planned for 1996 will most probably take place in 1998 due to the practical difficulties encountered when bringing the French network up to standard.

## 10. Reference Documents - Basic Texts

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## 11. Invocation of the Emergency Procedure

NO

## 12. Grounds for the Emergency

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NNNN