



STI 17

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Interface Technical Specifications *for France Telecom's network*

As required by Directive 1999/5/EC

2 Mbit/s local area leased link service access interface characteristics

Summary: This document gives a brief description of the 2 Mbit/s local area leased link service, and describes the technical characteristics of the interface used for accessing this service.

Warning :

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**France Telecom
6, Place d'Alleray
75505 Paris Cedex 15
France**

<http://www.francetelecom.com>

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1. timer values are indicative and can be subject to modification,
2. due to various technical constraints, some services or service options may not be available on some interfaces,
3. the fact that a service not yet commercially open is described in this document can in no case be considered as a binding commitment on France Telecom part to actually open this service.

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1. Overview of the service and the access interface

1.1 Definition of the service

France Telecom sets up a leased link with a rate of 2048 kbit/s between two customer sites which must respect the following conditions:

- both customer sites must be located in the same France Telecom local area, i.e. depend on the same home node,
- the direct distance (in a straight line) between each customer site and the home node must be less than or equal to 2 km.

France Telecom reserves the right to carry out a feasibility study to confirm whether or not the service can be offered to the customer.

1.2 Transmission delay

Transmission is affected by the propagation delay of the land transmission systems and the transfer time of signals across equipment. The end-to-end transmission delay is less than 10 ms.

2. Service access interface

2.1 Definition of the access interface

The data transfer service is delivered on a four-wire symmetrical pair interface which complies with chapter 6 of ITU-T Recommendation G.703, at the rate given below of 2048 kbit/s.

2.2 Physical interface connection conditions and range

The connecting cable between the DTE¹ and the physical connection interface is supplied by the customer. The distance between the terminal equipment and the DTE must be less than 150m (range of the HF cable).

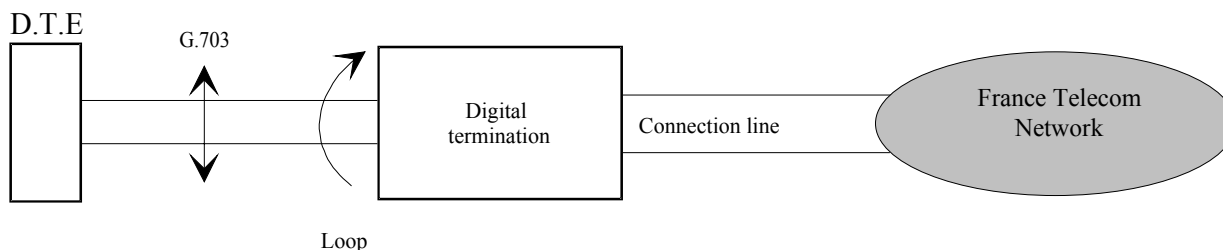
2.3 Connection interface

The physical connection interface is represented by a connecting strip supplied by France Telecom. This allows individually-shielded symmetrical pair cables or HF jumpers to be connected.

¹ Definition of DTE given in chapter 3.1.

3. Operation

3.1 Test loops



The customer can only enable the local loop shown in the diagram above in consultation with France Telecom.

Data Terminal Equipment (DTE) : the equipment that transmits or receives data (router, multiplexer, automatic branch exchange, computer equipment, etc.).

Data Circuit terminating Equipment (DCE) ('Digital termination' in the diagram) : the equipment supplied, installed and maintained by France Telecom, to which the DTE is connected.

3.2 Reaction to transmission problems

If there is a problem with the transmission channel, the data transmitted to the local DTE is set to 1.

4. History

Edition	Date	Comments
1	March 2000	First version
2	October 2000	Section concerning the environmental restrictions for connection to the service removed, following a request from GITEP (French telecommunication and electronic industries trade association). Some minor modifications made, mainly to the layout.