

**PROVISION OF A MINIMUM SET OF LEASED LINES UNDER THE TERMS OF
ARTICLE 15 OF THE REGULATIONS FOR THE PROVISION OF PUBLIC
TELECOMMUNICATION NETWORKS**

- YEAR 2000 -

I. Under the terms of points 1 and 2 of Article 23 of the Regulations for the Provision of Public Telecommunication Networks (Dec.-Law no. 290-A/99), the Concessionaire of the public telecommunications service, as well as the public network operators with significant market power in the leased lines market, in the case where the latter are notified by ICP, must provide a leased lines service, assuring namely interfaces for network access with the following technical characteristics:

1. ANALOGUE LEASED LINES

a) Circuits with ordinary quality voice bandwidth (two or four wires), with the following technical characteristics:

2 wires - ETS 300 448 (interface) and ETS 300 448
(performance)

4 wires - ETS 300 451 (interface) and ETS 300 451
(performance)

b) Circuits with special quality voice bandwidth (two or four wires), with the following technical characteristics:

2 wires - ETS 300 449 (interface) and ETS 300 449
(performance)

4 wires - ETS 300 452 (interface) and ETS 300452
(performance)

2. DIGITAL LEASED LINES

a) Circuits at 64 Kbps, with the following technical characteristics:

interface - ETS 300 288 and ETS 300 288/A1

performance - ETS 300 289

b) Circuits at 2048 Kbps, unstructured, with the following technical characteristics:

interface - ETS 300 418

performance - ETS 300 247 and ETS 300 247/A1

c) Circuits at 2048 Kbps, structured, with the following technical characteristics:

interface - ETS 300 418

performance - ETS 300 419

3. HIGH CAPACITY DIGITAL LEASED LINES

a) Circuits at 34.368 Kbps, structured, with the following technical characteristics:

interface - ETS 300 686

performance - ETS 300 687

b) Circuits at 34.368 Kbps, unstructured, with the following technical characteristics:

interface - ETS 300 686

performance - ETS 300 687

II. Under the terms of point 2A of article 7 of Directive 92/44/CEE, appended by Directive 97/51/CE, ICP recommends the provision of the following types of circuits:

- a) Circuits at 139.264 Kbps, structured, with the following technical characteristics:
 - interface - ETS 300 686
 - performance - ETS 300 688
- b) Circuits at 139.264 Kbps, unstructured, with the following technical characteristics:
 - interface - ETS 300 686
 - performance - ETS 300 688

- c) Circuits at 155 Mbps, with the following technical characteristics:
 - interface - ETS 300 299

III. Taking into account market demand and the progress of the standardisation process, ICP shall reserve the right to alter the currently defined minimum set of leased lines, namely in what regards high capacity digital leased lines.