

Telecommunications

TELECOMMUNICATIONS (LEASED LINES) REGULATIONS, 2001

2000-18

Repealed
Subsidiary
2001/084

Regulations made under ss. 12 and 47.

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Repealed by Ord. 2006-15 as from 5.6.2006

(LN. 2001/084)

19.7.2001

Amending enactments	Relevant current provisions	Commencement date
None		

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Title and commencement.

1. These Regulations may be cited as the Telecommunications (Leased Lines) Regulations 2001.

Interpretation.

2.(1) For the purposes of these Regulations—

“the Commission” means the Commission of the European Communities;

“emergency situation” means an exceptional case of force majeure, such as extreme weather, earthquake, flood, lightning or fire;

“the Leased Lines Directive” means Council Directive 92/44/EEC of 5 June 1992 on the application of open network provision to leased lines¹ as amended by European Parliament and Council Directive 97/51/EC of 6 October 1997 for the purpose of adaptation to a competitive environment in telecommunications²;

“the ONP Committee” means the committee referred to in Articles 9 and 10 of the ONP Framework Directive;

“relevant leased line” means a leased line in a relevant leased line market which is being offered or provided or both or, where the context requires, which is going to be offered to users on a public telecommunications network;

“relevant leased line market” means any leased line market which the Authority considers, based on the type or types of leased lines offered in Gibraltar, to be such a market for the purpose of making a determination under regulation 4 or 11(14);

“the typical delivery period” means the period, calculated from the date when a firm request has been made for a relevant leased line, in which ninety-five per cent (95%) of all relevant leased lines of that type have been provided to those who have requested the same; and

“the typical repair time” means the period, calculated from the time when a person to whom these Regulations apply has been informed that a relevant leased line provided by him is not in operation, in which eighty per cent (80%) of all relevant leased lines of that type have

¹ OJ No L. 165, 19.6.1992, P. 27

² OJ No L. 295, 29.10.1997, P. 23

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been re-established and, in appropriate cases, notified to users of the relevant leased line as being back in operation.

(2) References in these Regulations to an organisation having significant market power are references to a person providing relevant leased lines who the Authority has determined, in accordance with regulation 4, to be a person having such power and references in these Regulations to an organisation not having significant market power are references to a person providing relevant leased lines who the Authority has not determined, in accordance with regulation 4, to be a person having such power.

(3) Except where the context otherwise requires and subject to sub-regulations (1) and (2), any word or expression used in these Regulations which is also used in the Ordinance has the same meaning in these Regulations as it has in the Ordinance.

Scope and applicability.

3.(1) These Regulations shall, subject to sub-regulation (2), apply to a person who is offering or providing or both, or who where the context requires is going to offer, relevant leased lines.

(2) These Regulations shall not apply to a person who is offering or providing or both, or who where the context requires is going to offer, relevant leased lines and who is an organisation not having significant market power in that relevant leased line market unless, in Gibraltar, there is no organisation having significant market power in that relevant leased line market.

Significant market power.

4.(1) For the purposes of these Regulations, the Authority shall for each relevant leased line market, immediately upon the coming into force of these Regulations and thereafter whenever necessary, either determine—

- (a) in respect of at least one person, that he is an organisation having significant market power in that relevant leased line market; or
- (b) that no person is an organisation having significant market power in that relevant leased line market.

(2) The Authority shall, whenever necessary, determine in respect of a person that he is no longer an organisation having significant market power in a relevant leased line market.

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(3) Subject to sub-regulation (4), in making a determination under sub-regulation (1) or (2), the Authority shall presume that a person is an organisation having significant market power in a relevant leased line market when his share of that market is twenty-five per cent (25%) or more.

(4) The Authority may, after taking into account the matters referred to in sub-regulation (5), determine—

- (a) that a person who has a market share of less than twenty-five per cent (25%) of a relevant leased line market is an organisation having significant market power in that market; and
- (b) that a person who has a market share of twenty five per cent (25%) or more of a relevant leased line market is an organisation not having significant market power in that market.

(5) In making a determination under sub-regulation (4), the Authority shall take into account—

- (a) the ability of the person to influence conditions in the relevant leased line market;
- (b) the turnover of the person in relation to the size of the relevant leased line market;
- (c) the access that the person may have to financial resources; and
- (d) the experience that the person may have in providing products and services in the relevant leased line market.

Availability of information.

5.(1) A person referred to in regulation 3 and to whom these Regulations apply shall—

- (a) publish, regarding such relevant leased lines as he may be offering, in an appropriate manner so as to provide easy access thereto for users, information on—
 - (i) the technical characteristics of the relevant leased lines;
 - (ii) tariffs; and
 - (iii) supply and usage conditions;

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- (b) publish the information referred to in paragraph (a) in accordance with and under the headings of paragraphs A to C of Schedule 1; and
- (c) publish, as soon as possible before their implementation—
 - (i) any change in the technical characteristics, tariffs and supply and usage conditions published under paragraph (a); and
 - (ii) the technical characteristics, tariffs and supply and usage conditions for such new types of relevant leased lines as he may be going to offer.

(2) The Authority shall from time to time publish or ensure that there is published, in an appropriate manner so as to provide easy access thereto for users, information—

- (a) on the authorisation requirements, procedures and conditions for the provision of relevant leased lines; and
- (b) on the conditions subject to which terminal equipment may be attached to relevant leased lines.

(3) The Authority shall publish, or ensure that there is published, the information referred to in sub-regulation (2) in accordance with and under the headings of paragraphs D and E of Schedule 1.

(4) The Authority shall, from time to time by notice published in the Gazette, provide references to the publication of the information referred to in sub-regulations (1) and (2).

Information on supply conditions.

6.(1) The information on the supply conditions which a person referred to in regulation 3 and to whom these Regulations apply must publish in accordance with paragraph (a) of regulation 5(1) shall include, at least—

- (a) the procedure for the ordering of the relevant leased lines;
- (b) the typical delivery period;
- (c) the contractual period, which period is to include—
 - (i) the period during which it is foreseen by the person that the relevant leased lines will be provided; and

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(ii) the minimum period which a person requesting the relevant leased line must accept for the provision of that line;

(d) the typical repair time; and

(e) any refund procedure.

(2) The typical delivery period which is to be published in accordance with paragraph (a) of regulation 5(1) and sub-regulation (1) shall be calculated on the basis of the delivery periods, during a recent period of reasonable duration, for the type of relevant leased line which is being offered.

(3) The calculation referred to in sub-regulation (2) may not take into account cases where users have requested delivery within such a period of time as the Authority considers to be late.

(4) The information on the supply conditions which a person referred to in regulation 3 and to whom these Regulations apply must publish in accordance with paragraph (c) (ii) of regulation 5 shall include, at least—

(a) the procedure for the ordering of the relevant leased lines;

(b) a target delivery period;

(c) the contractual period, which period is to include—

(i) the period during which it is foreseen by the person that the relevant leased lines will be provided; and

(ii) the minimum period which a person requesting the relevant leased line must accept for the provision of that line;

(d) a target repair time; and

(e) any refund procedure.

(5) Where different standards of quality of repair are offered for the same type of leased line, the typical repair time for each such standard shall be published in accordance with paragraph (a) of regulation 5(1) and with sub-regulation (1).

(6) Where different standards of quality of repair are offered for the same type of leased line, the target repair time for each such standard shall

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be published in accordance with paragraph (c)(ii) of regulation 5(1) and sub-regulation (4).

Conditions for the termination of services.

7.(1) A person referred to in regulation 3 and to whom these Regulations apply—

- (a) shall continue to offer for a reasonable period of time such relevant leased lines as he may be offering from time to time; and
- (b) shall not withdraw such relevant leased lines as he may be offering save after consultation with such users as are likely to be affected by such a withdrawal.

(2) A user of a relevant leased line may, without prejudice to any other remedy or right of appeal which the user may have in law, make a complaint to the Authority where the user does not agree with the date by which a person referred to in regulation 3 and to whom these Regulations apply wishes to withdraw the type of relevant leased line that he is providing to that user.

Access conditions, usage conditions and essential requirements.

8. (1) Without prejudice to sub-regulations (3) and (13) a person referred to in regulation 3 and to whom these Regulations apply shall not, save as permitted by the Authority, restrict access to and use of such relevant leased lines as he may provide.

(2) Without prejudice to sub-regulations (3) and (13), no technical restrictions shall be introduced or maintained for the interconnection of relevant leased lines—

- (a) to each other;
- (b) to a public telecommunications network; or
- (c) to each other and to a public telecommunications network.

(3) A person referred to in regulation 3 and to whom these Regulations apply may restrict access to and use of such relevant leased lines as he may provide on the grounds of ensuring compliance with any one or more of the following essential requirements—

- (a) the security of network operations;

- (b) the maintenance of network integrity;
- (c) the interoperability of services;
- (d) data protection,

provided these essential requirements are applied in the manner, and in accordance with the principles, set out in sub-regulations (5) to (11).

(4) Where access to and use of leased lines are restricted on the grounds of ensuring compliance with essential requirements, the essential requirements upon which such restriction is based must be identified.

Security of network operations.

(5) A person referred to in regulation 3 and to whom these Regulations apply may, in order to protect his network during an emergency situation, take any one or more of the following actions—

- (a) interrupt the service being offered;
- (b) limit such service;
- (c) deny access to such service.

(6) A person referred to in regulation 3 and to whom these Regulations apply shall, in an emergency situation, make every reasonable endeavour —

- (a) to maintain the provision of the service to all users who are using the service; and
- (b) to provide the service to all users who may request the service.

(7) A person referred to in regulation 3 and to whom these Regulations apply shall take, as soon as reasonably practicable, all reasonable steps to notify the Authority and users who are using or requesting the service affected of —

- (a) the date when an emergency situation has commenced;
- (b) the date when an emergency situation has terminated; and
- (c) the nature and extent of the restriction to the provision of that service.

Maintenance of network integrity

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- (8) Users shall have the right to be provided with a service which–
- (a) is fully transparent;
 - (b) conforms with the specifications of the network termination point; and
 - (c) they may use in such an unstructured manner as they might wish, for instance, a service where allocation of a channel is neither forbidden nor prescribed.
- (9) A person referred to in regulation 3 and to whom these Regulations apply may not, on the ground that the integrity of his network has to be maintained, restrict the use of such relevant leased lines as he may provide if such conditions as he might impose regarding access to his network and services, and which are related to terminal equipment, are fulfilled.

Interoperability of services

(10) Without prejudice to the application of Articles 3(5) and 5(3) of the ONP Framework Directive, a person referred to in regulation 3 and to whom these Regulations apply may not, on the ground of the interoperability of services, restrict the use of such relevant leased lines as he may provide if such conditions as he might impose regarding access to his network and services, and which are related to terminal equipment, are fulfilled.

Data protection

- (11) The use of relevant leased lines may only be restricted on the ground of the need to protect data to the extent necessary to ensure any one or more of the following–
- (a) compliance with any applicable legislation on the protection of data, which data shall include personal data;
 - (b) the confidentiality of information transmitted or stored or both;
 - (c) the protection of privacy.

Access conditions related to terminal equipment

(12) The conditions subject to which terminal equipment may be connected to a relevant leased line shall be considered to have been complied with when that equipment complies with such conditions as the Minister may, after consultation with the Authority, by regulation prescribe

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as being necessary for the connection of that equipment to the network termination point for the type of relevant leased line concerned.

(13) Where the terminal equipment of a user does not comply or no longer complies with the conditions referred to in sub-regulation (12), a person referred to in regulation 3 and to whom these Regulations apply may interrupt the provision of the relevant leased line concerned until the terminal equipment is disconnected from the network termination point.

(14) A person referred to in regulation 3 and to whom these Regulations apply shall, should he cease to provide a relevant leased line for the reasons referred to in sub-regulation (13)–

- (a) immediately notify the user of such cessation; and
- (b) inform the user of the reason for such cessation.

(15) A person referred to in regulation 3 and to whom these Regulations apply shall restore the provision of the relevant leased line referred to in sub-regulation (14) as soon as the user has disconnected the terminal equipment from the network termination point.

Provision of a minimum set of leased lines.

9.(1) The Authority shall ensure that persons referred to in regulation 3 and to whom these Regulations apply, either separately or jointly, provide in Gibraltar the minimum set of leased lines specified in Schedule II.

(2) The Authority shall, taking into account market demand and progress with standardisation, encourage the provision of the types of leased lines specified in Schedule III.

(3) A person referred to in regulation 3 and to whom these Regulations apply shall ensure, if he provides other leased lines beyond the minimum set referred to in sub-regulation (1), that the provision of the other leased lines does not impede the provision of the minimum set.

Control by the Authority.

10.(1) The Authority shall establish procedures in order, inter alia, to decide on a case-by-case basis and within a reasonable period of time, whether or not to allow a person referred to in regulation 3 and to whom these Regulations apply to take any one or more of the following actions–

- (a) refuse to provide a relevant leased line;
- (b) interrupt the provision of a relevant leased line;

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- (c) reduce the availability of relevant leased line features,

as a result of an alleged failure by a user of the relevant leased line to comply with the conditions subject to which that relevant leased line may have been provided.

(2) The Authority may, in the procedures referred to in sub-regulation (1), provide for the person providing the relevant leased line to be authorised to take, before a decision has been taken in accordance with sub-regulation (1) and in the event of a defined infringement of the conditions subject to which a relevant leased line may have been provided, such measures as shall be specified in those procedures.

(3) The Authority shall ensure that the procedures referred to in sub-regulation (1) establish a transparent, decision-making process where decisions are—

- (a) taken after all parties appearing before the Authority have been given an opportunity to state their case;
- (b) notified, together with the reasons for any given decision, to such parties within one week of their having been taken; and
- (c) not enforced prior to their notification to such parties.

(4) Sub-regulation (3) is without prejudice to the right of the parties to pursue, through the courts of Gibraltar, such rights as they might have.

(5) A person referred to in regulations 3 and to whom these Regulations apply—

- (a) may not, when providing relevant leased lines, discriminate between users of those lines;
- (b) where he provides relevant leased lines to persons who provide similar services, where similar circumstances apply, shall make the provision of such relevant leased lines subject to similar conditions;
- (c) shall provide to those requesting the same, relevant leased lines of the same quality and under the same conditions as the relevant leased lines through which he provides his own services or, where applicable, the services of his subsidiaries or partners; and

- (d) shall, where in response to a particular request he considers it unreasonable to provide a relevant leased line in accordance with such tariffs and supply conditions as he may have published and consequently wishes to vary such tariffs and conditions, before so doing, seek the agreement of the Authority to such variation.

Tariffing principles and cost accounting.

11.(1) A person referred to in regulation 3 and to whom these Regulations apply shall ensure that, without prejudice to sub-regulations (13) and (14), tariffs for the provision of relevant leased lines shall be cost oriented and transparent in accordance with sub-regulations (2) to (6).

(2) Without prejudice to the principle of non-discrimination referred to in regulations 10(5)(a), (b) and (c), a person referred to in regulation 3 and to whom these Regulations apply may not, when setting tariffs for relevant leased lines, take into account the use to which such relevant leased lines may be put.

(3) A person referred to in regulation 3 and to whom these Regulations apply shall ensure that such tariffs as he may set for the provision of relevant leased lines shall in normal circumstances be comprised of –

- (a) an initial connection charge; and
- (b) a periodic rental charge, that is to say, a flat-rate element.

(4) A person referred to in regulation 3 and to whom these Regulations apply shall, when setting tariffs for the provision of relevant leased lines, only apply charges which are different or additional to those referred to in sub-regulation (3), if these are transparent and based on objective criteria.

(5) Tariffs for relevant leased lines apply to the facilities provided between network termination points at which the user has access to the relevant leased lines.

(6) For relevant leased lines provided by more than one person referred to in regulation 3 and to whom these Regulations apply, half-circuit tariffs, that is to say tariffs from one network termination point to a hypothetical mid-circuit point, can be applied.

(7) A person referred to in regulation 3 and to whom these Regulations apply shall formulate and put into practice a cost accounting system suitable for such a person to be able to comply with sub-regulation (1).

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(8) Without prejudice to sub-regulation (9), the cost accounting system referred to in sub-regulation (7) shall, in particular, include the following elements–

- (a) the costs of relevant leased lines shall in particular include the direct costs incurred by the person providing the relevant leased lines for
 - (i) setting up;
 - (ii) operating and maintaining; and
 - (iii) marketing and billing;those relevant leased lines; and
- (b) common costs, that is to say, costs which can neither be directly assigned to relevant leased lines nor to other activities, which common costs shall be allocated as follows–
 - (i) whenever possible, common cost categories shall be allocated based upon direct analysis of the origin of the costs themselves;
 - (ii) when direct analysis is not possible, common cost categories shall be allocated based upon an indirect linkage to another cost category or group of cost categories for which a direct assignment or allocation is possible and such indirect linkage shall be based on comparable cost structures; and
 - (iii) when neither direct nor indirect measures of cost allocation can be found, the cost category shall be allocated on the basis of a general allocator computed by using the ratio of all expenses directly assigned or allocated, on the one hand, to relevant leased lines and, on the other hand, to other services.

(9) A person referred to in regulation 3 and to whom these Regulations apply may apply cost accounting systems different to those referred to in sub-regulation (7) only if such systems–

- (a) are consistent with the principles and rules referred to in sub-regulation (1); and
- (b) have, as such and prior to their application, been approved by the Authority.

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(10) The Commission shall be informed of the cost accounting systems referred to in sub-regulation (9) prior to their application.

(11) The Authority shall keep available information, containing such a level of detail as the Authority shall consider appropriate, on the cost accounting systems referred to in sub-regulations (7) and (9).

(12) The information referred to in sub-regulation (11) shall be submitted to the Commission upon its request.

(13) Subject to regulation 3(2), the Authority may not apply sub-regulation (1) to an organisation not having significant market power.

(14) The Authority may determine that sub-regulation (1) shall not apply to a relevant leased lines market where it is satisfied that there is effective competition in that market as evidenced by tariffs that already comply with that sub-regulation.

(15) This regulation is without prejudice to regulation 4(5) of the Telecommunications (Open Network Provision) (Framework) Regulations 2001.

Notification and reporting.

12.(1) The Commission shall be notified of the names of those persons referred to in regulation 3 and who are subject to these Regulations.

(2) The notification referred to in sub-regulation (1) shall, where appropriate, include information on—

- (a) the type of relevant leased lines that each such person is required to provide to ensure compliance with regulation 9(1); and
- (b) any cases where, pursuant to the provisions of either regulation 11(13) or regulation 11(14), the Authority has not applied the provisions of regulation 11(1).

(3) The Authority shall make available to the Minister statistical reports which reports shall—

- (a) be kept at least for each calendar year; and
- (b) contain information regarding the performance of a person notified in accordance with sub-regulation (1) in relation to the supply conditions referred to in regulation 6 and, in particular

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but without prejudice to the generality of the foregoing, with respect to delivery period and repair time.

(4) The reports, kept for a calendar year in accordance with sub-regulation (3), shall be submitted to the Commission no later than five months after the end of that calendar year.

(5) The Authority shall keep and make available to the Minister, upon his request—

- (a) data on all cases where the access to or use of relevant leased lines has been restricted;
- (b) details of the measures taken in the application of such restriction; and
- (c) the reasons why the measures referred to in paragraph (b) have been taken.

(6) The data and details referred to in sub-regulation (5) shall be submitted to the Commission upon its request.

Conciliation procedure.

13.(1) Where any user complains that he has been or may be adversely affected by an infringement of the Leased Lines Directive, particularly but without prejudice to the generality of the foregoing, with regard to intra-EEA leased lines and agreement cannot be reached at a national level, the aggrieved party may invoke the procedure provided for in Articles 12(3) and (4) of the Leased Lines Directive by way of a written notification to the Authority and the Commission.

(2) Where following a notification of the nature referred to in sub-regulation (1) the Authority finds that there is a case for further examination, it may refer the matter to the Chairman of the ONP Committee.

Offences.

14. A person referred to in regulation 3 and to whom these Regulations apply who contravenes any one or more of these Regulations is guilty of an offence and is liable—

- (a) on summary conviction to a fine not exceeding level 5 on the standard scale; and
- (b) on conviction on indictment, to a fine.

SCHEDULE I

Regulation 5

**PRESENTATION OF AND INFORMATION TO BE PROVIDED IN
RESPECT OF RELEVANT LEASED LINES UNDER
REGULATIONS 5(1)(a) AND (2)**

A. Technical characteristics

- (i) A person referred to in regulation 3 and to whom these Regulations apply, when he publishes the technical characteristics for such relevant leased lines as he may be offering or may be going to offer, shall include in such publication—
 - (a) the physical and electrical characteristics; and
 - (b) the details of the technical and performance specifications,which apply at the network termination point.
- (ii) A person referred to in sub-paragraph (i) shall, in the publication referred to in that sub-paragraph, include a clear reference to the standards which he is implementing.

B. Tariffs

- (i) A person referred to in regulation 3 and to whom these Regulations apply, when he publishes the tariffs for such relevant leased lines as he may be offering or may be going to offer, shall include in such publication—
 - (a) the initial connection charges;
 - (b) the periodic rental charges; and
 - (c) any other charges.
- (ii) A person referred to in regulation 3 and to whom these Regulations apply who applies different tariffs for, for instance—
 - (a) different standards of quality of service;

- (b) the number of relevant leased lines that he may be offering or may be going to offer to users, that is to say, bulk provision; or
- (c) the standards referred to in paragraph (a) and the bulk provision referred to in paragraph (b),

shall indicate such differentiation when he publishes those.

C. Supply conditions

A person referred to in regulation 3 and to whom these Regulations apply shall, at least, include–

- (i) the information referred to in regulation 6(1) in such information as he shall publish on the conditions subject to which he offers relevant leased lines; and
- (ii) the information referred to in regulation 6(4) in such information as he shall publish on the conditions subject to which he may be going to offer relevant leased lines.

D. Authorisation requirements

- (i) The Authority, when it publishes or ensures that there is published, information on authorisation requirements, procedures and conditions for the provision of relevant leased lines, shall do so in such a way as to provide a complete overview of all factors which are relevant to such conditions as may be set for the use of those relevant leased lines.
- (ii) The Authority shall, where applicable, include or ensure that there is included in the information referred to in subparagraph (i)–
 - (a) such conditions as may be imposed as a result of the application of essential requirements in accordance with regulation 8; and
 - (b) a list of all the documents which contain such authorisation conditions as may be imposed on the users of relevant leased lines when they are using those relevant leased lines for the provision of services to others.

E. Conditions for the attachment of terminal equipment

The Authority shall, when it publishes or ensures publication of information on the conditions subject to which terminal equipment may be attached to relevant leased lines, include in such information as complete an overview as is reasonable of the requirements with which such terminal equipment must comply.

SCHEDULE II

Regulation 9

MINIMUM SET OF LEASED LINES

The minimum set of leased lines to be provided in Gibraltar under regulation 9(1) shall be the following—

TECHNICAL CHARACTERISTICS¹		
LEASED LINE TYPE	INTERFACE PRESENTATION SPECIFICATIONS	CONNECTION CHARACTERISTICS AND PERFORMANCE SPECIFICATIONS
Ordinary quality voice bandwidth analogue	2 wire ¹ - ETS 300 448 ³ or 4 wire ² - ETS 300 451 ⁴	2 wire – ETS 300 448 ³ 4 wire – ETS 300 451 ⁴
Special quality voice bandwidth analogue	2 wire ¹ - ETS 300 449 ³ or 4 wire ² - ETS 300 452 ⁶	2 wire – ETS 300 449 ⁵ 4 wire – ETS 300 452 ⁶
64 Kbit/s digital ⁷	ETS 300 288 ETS 300 288/A1 ⁸	ETS 300 289
2048 Kbit/s digital unstructured ⁹	ETS 300 418	ETS 300 247 ETS 300 247/A1
2048 Kbit/s digital structured ¹⁰	ETS 300 418 ¹¹	ETS 300 419 ¹²

- 1 The attachment requirements for terminal equipment to be connected to these leased lines are described in Common Technical Regulation 15 (CTR 15).
- 2 The attachment requirements for terminal equipment to be connected to these leased lines are described in Common Technical Regulation 17 (CTR 17).

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- 3 Previously provided in accordance with CCITT Recommendation M.1040 (1988 version) instead of ETS 300 448.
- 4 Previously provided in accordance with CCITT Recommendation M.1040 (1988 version) instead of ETS 300 451.
- 5 Previously provided in accordance with CCITT Recommendations M.1020/M.1025 (1988 version) instead of ETS 300 449.
- 6 Previously provided in accordance with CCITT Recommendations M.1020/M.1025 (1988 version) instead of ETS 300 452.
- 7 The attachment requirements for terminal equipment to be connected to these leased lines are described in Common Technical Regulation 14 (CTR 14).
- 8 For an interim period extending beyond 31 December 1997, these leased lines may be provided using other interfaces, based on X.21 or X21 bis, instead of ETS 300 288.
- 9 The attachment requirements for terminal equipment to be connected to these leased lines are described in Common Technical Regulation 12 (CTR 12).
- 10 The attachment requirements for terminal equipment to be connected to these leased lines are described in Common Technical Regulation 13 (CTR 13).
- 11 Previously provided in accordance with CCITT Recommendations G.703, G.704 (excluding section 5) and G.706 (cyclic redundancy checking) (1988 version) instead of ETS 300 418.
- 12 Previously provided in accordance with relevant G.800 series CCITT Recommendations (1988 version) instead of ETS 300 419.

For the type of leased lines listed above, the specifications referred to also define the network termination points.

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SCHEDULE III

Regulation 9

TYPE OF LEASED LINES THE PROVISION OF WHICH IS TO BE ENCOURAGED UNDER REGULATION 9(2)

TECHNICAL CHARACTERISTICS		
LEASED LINE TYPE	INTERFACE PRESENTATION SPECIFICATIONS	CONNECTION CHARACTERISTICS & PERFORMANCE SPECIFICATIONS
34 368 kbit/s digital structured	ETS 300 686 ¹	ETS 300 687 ¹
34 368 kbit/s digital unstructured	ETS 300 686 ¹	ETS 300 687 ¹
139 264 kbit/s digital structured	ETS 300 686 ¹	ETS 300 688 ¹
139 264 kbit/s digital unstructured	ETS 300 686 ¹	ETS 300 688 ¹
155 Mbit/s digital (STM-1) ²	Based on ITU-T G 708	Based on ITU-T G 708

¹ These standards are still being developed by the European Telecommunications Standards Institute

² The European Telecommunications Standards Institute has been requested to carry out further work on standards for SDH VC- based leased digital bandwidth