

Determination of 16.4.1999

***SET OF ITEMS TO BE INCLUDED IN THE REFERENCE  
INTERCONNECTION OFFER FOR 1999***

**I. GEOGRAPHICAL INTERCONNECTION POINTS**

**A. General description**

The following information should be provided:

- ☐ Identification of interconnection points (IPs) (geographical location, address, present state) indicating type of selector (e.g. local, transition, international);
- ☐ Any conditions restricting supply.

**B. Specific detail**

The list of IPs and related information should:

- Include information about the number groups associated with each IP;
- Include information about the network for the purposes of interconnection, namely: type of equipment, location of the equipment, capacity of selector, architecture, etc.;
- Explicitly mention any limiting factors in supply;
- The operator with SMP should ensure that the interconnection services provided are uninterrupted. Any alteration that may imply a localised and temporary interruption to the service provided in the network or in

interconnection areas should be reported. Due cause and justification should be given, as should sufficient notice to avoid affecting the service offered by the other operators and providers of services.

## **II. TECHNICAL OPTIONS FOR INTERCONNECTION IN CASES WHERE INFRASTRUCTURES AND THEIR SPACES ARE LEASED**

The conditions relating to the lease of infrastructures and their spaces (e.g. use of ducts for establishing interconnection circuits, joint instalment of equipment) should be specified particularly as regards conditions for pricing.

## **III. INTERCONNECTION CIRCUITS**

The Specific Agreement for Lease of Circuits covers supply conditions for all types of leased circuits. The conditions of leased circuits for interconnection, particularly regarding prices and standards for service, should be at least equal to those offered within the scope of the above-mentioned Specific Agreement for Lease of Circuits.

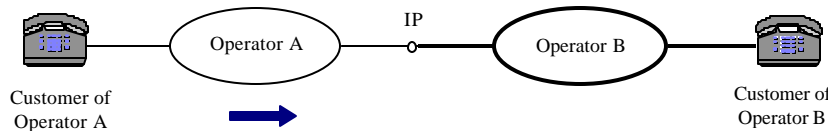
## **IV. INTERCONNECTED TRAFFIC**

### **A. General description**

Operator B with SMP should offer the following services:

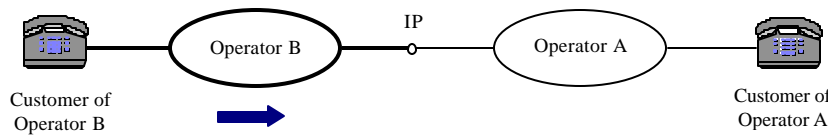
- Termination of call

Operator B transports a call that originates in operator A, from a particular interconnection point to a customer of operator B.



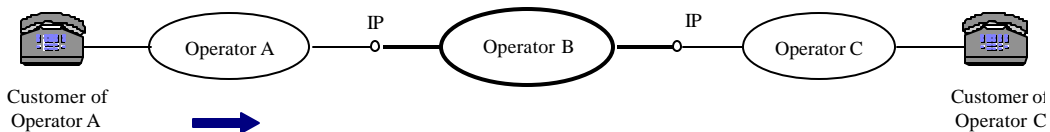
#### □ Source of call

Operator B transports a call that originates in a customer of its own, to a particular interconnection point, from which operator A will terminate the call in a customer of its own.



#### □ National Traffic

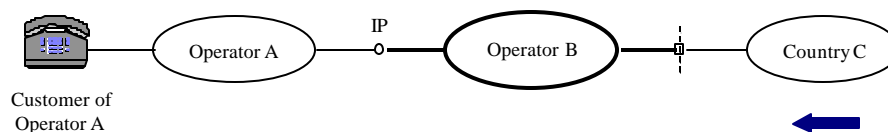
A three-sided agreement, involving operators in Portuguese territory, in which operator B transports a call, originating in a customer of operator A and destined for a customer of operator C, between two interconnection points.



#### □ Transport of international traffic:

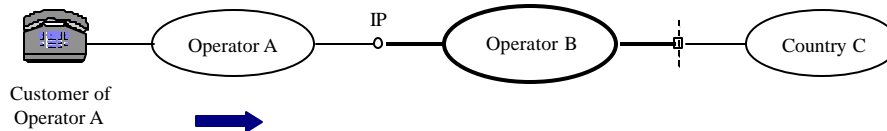
##### • Incoming

A two-sided agreement, in which operator B transports to a particular interconnection point a call originating abroad and destined for a customer of operator A.



- Outgoing

A two-sided agreement, in which operator B transports to a particular interconnection point a call that originates in Portugal from a customer of operator A and has a destination abroad.



## B. Specific detail

The following aspects should be considered:

- The traffic is the property of the body that controls the public telecommunications network or provides the public telecommunications service at the source of the traffic, except when stipulated or agreed to the contrary;
- Except when the operators have an agreement to the contrary, the traffic must be collected at the closest possible IP to the source of the call and must be delivered to the IP closest to its destination;
- Itemisation of services offered at each IP;
- Indication of prices for interconnection traffic on the various scales (e.g. Local, Regional, National and outgoing and incoming International, indicating the source and destination in the case of the latter;
- Indication of the price of other types of traffic, particularly those that are established following alterations in the structure of the network or in the pricing structure, depending on the relevant costs identified in the network structure;
- The method used to fix rates, including how calls are charged (per call, billing unit, period of time; etc);

- Variations of rates according to the time or day that calls are made (e.g. Standard or Economy Period);
- The geographic reference point for access when the rate for transport of calls is based on distance.

## **V. TECHNICAL SPECIFICATIONS RELATING TO ACCESS INTERFACES**

### **A. General description**

Description of the interfaces offered at the IP's, including references of the relevant technical standards (e.g. ETSI standards and/or ITU recommendations) which define the following interfaces:

- Electrical and physical;
- Transmission;
- Signalling;
- Reference to the network synchronisation system;
- Reference to the functions offered by the interface (e.g. identification of caller, call forwarding, etc.).

### **B. Specific detail**

- The technical specifications relating to the access interfaces should be made public, and should not contain any privacy mechanism.

## **VI. TYPES OF CALLS AND QUALITY OF SERVICE**

### **A. General description**

The standards of service offered by the bodies with which the SMP operator interconnects should not be of a lower standard than those offered on the SMP operator's own network.

## **B. Specific detail**

Basic quality standards and parameters to be guaranteed should be specified for:

- Interconnection points (e.g. availability, redundancy, repair time, selector blockage);
- Network of call source or destination (e.g. congestion, transmission quality, availability);
- Billing.

## **VII. ASSISTANCE SERVICES**

### **A. General description**

Access to the following services must be particularly guaranteed:

- ☐ Operators assistance services;
- ☐ Emergency services;
- ☐ National information lists and services and international information services.

### **B. Specific detail**

The following aspects must be specified:

- Conditions for access to information services to be established between operators;
- Financial conditions for processing emergency calls in particular;
- A list itemising all available services should be made available, and should be periodically updated.

## **VIII. ADDITIONAL SERVICES**

### **A. General description**

The following services should be guaranteed at least:

- ❑ Identification of caller's number and blockage of identification of caller's number, whenever technically possible. Information about the identification of caller's number (including appropriate information to enable its blockage should be made available to the interconnected parties, in accordance with the applicable legislation regarding data protection and privacy. In exceptional cases where this service is not available in certain areas, the date from which the service will be available should be indicated;
- ❑ International traffic (three-sided agreement, consisting in the provision of traffic forwarding by the SMP operator, between the source and destination operators, one of which is international);
- ❑ Call Forwarding;
- ❑ User to user Signalling;
- ❑ Access to special telecommunications services necessary in order that the other operators and providers of services offer services competitive with those offered by the SMP operator (e.g. freephone and local call-charge numbers and those for increased rates services), in accordance with the prevailing legal framework.

### **B. Specific detail**

- There must be itemisation of conditions for the other operators and providers of services to access the special telecommunications services of the SMP operators and conditions for the SMP operator's subscribers to access the special

telecommunications services of the other operators and providers of services.

## **IX. GENERAL CONDITIONS**

The following aspects should be specified:

- ❑ Procedures in the case of proposals to alter the terms and normal conditions of interconnection. Indication of simplified and quick procedures for the renegotiation of specific aspects of interconnection agreements, particularly of prices;
- ❑ Alteration of the terms and conditions of contracts should be kept to a minimum. However, when such exceptional alterations are justified, it is the SMP operator's responsibility to formally report the alterations anticipated on the terms and conditions of contracts with reasonable notice;
- ❑ Procedures in relation to interoperability tests. Description of the different stages of the standard test procedure, including its duration, which should be reasonable. The test should be confined to checking the soundness of the network and to testing interoperability of the functional characteristics and of the services agreed in the interconnection agreement;
- ❑ Procedures in the case of proposed alterations to networks or services offered by one of the parties, including procedures to access the new/altered services;
- ❑ Procedures for reconfiguration of IPs.
- ❑ Procedures for reconfiguration of IPs. Details of all the financial conditions, in cases where work needs to be carried out on the SMP operator's selectors to enable forwarding of calls of the interconnected body. An estimate of costs and time necessary for the implementation of such an operation must be given as accurately as possible;



- Conditions for billing between operators and accounting requirements, for example, the format of forms and control of accuracy of accounts;
- Conditions for customer billing service. In cases where the SMP operator bills through someone else,
- Processes for resolving legal matters;
- General conditions for revision, cancellation or resolution of contracts, as well as responsibilities and situations of *Force Majeure*;

Specific provisions regarding privacy.