

Reference Interconnect Offer(RIO) 2021

Phone Pulse LTD

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Introduction

1.1. This Reference Interconnect Offer ("RIO") defines the interconnection terms and conditions (including the list of the interconnection services) which Phone Pulse will apply to all Operators in order to allow end-users who are connected to the system of an Operator to communicate with end-users who are connected to the telecommunication networks of Phone Pulse. This RIO focuses only on voice services and does not include other services.

1.2. The services covered by this RIO are exclusively terminating access service.

1.3. This RIO defines the minimal interconnection terms and conditions which Phone Pulse will grant to other Operators. Nevertheless, Phone Pulse reserves the right to provide more beneficial terms and conditions, in accordance with the applicable regulatory framework, including the principle of non-discrimination.

1.4. No Operator shall be responsible for the content of calls passed through his own or an interconnected Operator's network. Laws and regulations regarding confidentiality and access by legal authorities to calls on the Operator's and Phone Pulse's network will apply.

1.5. RIO comes into effect upon the successful completion of interconnect services between Phone Pulse and Operator

1.6. The content of this RIO may be reviewed and amended in order to comply with applicable rules and regulations.

1.7. Unless defined otherwise, the terms used in this RIO must be interpreted in accordance with the regulations as set out by Comreg.

1.8. All prices mentioned in this RIO, including those specified in the Appendices attached hereto, are in EURO (€) and exclusive of Value-Added Tax (VAT) which will be added where applicable.

2. Definitions

Call: The establishment of a connection through a telecommunications network and the transmission and the delivery of a signal from the terminal on which this signal was generated to the terminal to which this signal is addressed or to a network platform or any other facility giving an automatic answer in those cases where the connection cannot be established.

Calling Line Identification (CLI): The CLI is the number of the calling user conveyed by each Operator's network for each call, it may also be provided by the network or partly by the calling user. This information is flagged either as "network- provided" or as "user provided, verified and passed". If the verification of a user provided CLI fails, the network- provided CLI will be transmitted.

Calling Line Identification Restriction (CLIR): Supplementary service provided for in ITU-T Recommendation I.251.4.

Interconnect Agreement: An agreement between Phone Pulse and an Operator, which defines the conditions for the Interconnection.

Interconnection Link: A link between Phone Pulse's access Point and an Operator Access Point for the provision of Interconnection traffic.

Interconnection Service: Services described in the present Reference

Interconnect Offer.

International Public Telecommunication Number: Defined as in ITU-T Recommendation E.164.

Link: Set of telecommunications facilities necessary to establish one or more transmission paths between two locations.

National (Significant) Number: Defined as in ITU-T Recommendation E.164.

Number portability: The case where a subscriber retains its originally assigned directory number when changing from one network Operator (donor network; Donor Operator) to another (recipient network; Recipient Operator) and is not related to changing the nature of service nor the location.

OAO Other Alternative Operator

Operator: Any legal or natural person exploiting telecommunications networks and/or providing telecommunications services in Luxembourg.

Operator Access Point: The physical interface within the Operator's System at which the Interconnection Services can be obtained.

Parties: Phone Pulse and the Operator which an Interconnection Agreement is (being) concluded with.

Point of Interconnection (POI): The physical point on the Interconnection Link where the telecommunications network of Phone Pulse and the Operator's System are interconnected. The POI is the boundary between Phone Pulse and the Operator domains of responsibility.

Reference Interconnect Offer (RIO): The present offer for Interconnection Services.

System: All equipment and software which, an Operator uses to provide his telecommunications services.

SLA: Service Level Agreement

Phone Pulse's Access Point: The physical interface within Phone Pulse's System from which the Interconnection Services can be obtained.

3. Interconnection Architecture

3.1 Phone Pulse's access points in Ireland

Phone Pulse has two site's that is designed for use as an Interconnection Access Point. Site (a) is the primary site and location for all services, Site (b) is a secondary site and used as a redundant site. There is a choice for primary and secondary interconnection if requested.

The primary site contains relevant switching and transmission equipment with functionality for national and international traffic.

The address of the interconnection points are as follows:

Primary: Kilcarbery Park, New Nangor Road, Nangor, Dublin 22

Secondary: Unit 4027, Kingswood Rd, Citywest Business Campus, Dublin

3.2. System Alteration

If Phone Pulse wishes to make a system alteration, it shall give the Operator as much prior notice as possible in order to ready themselves for any possible changes. The notice shall specify the technical details of the system alteration and the date of the anticipated system alteration. Following such notification Phone Pulse shall supply to the Operator such information as the Operator may reasonably request including, to the extent reasonably practicable, the potential impact on the service provided by the Operator to the End Users.

3.3. Standards

Where relevant for interconnection with Phone Pulse, the following standards and procedures will apply:

Any legal requirements

ETSI standards

ITU-T Recommendations

National standards

The SIP protocol is used as defined in RFC 3261 (<http://rfc.net/rfc3261.html>) to convey and terminate voice calls. The interconnection between both infrastructures is done through the Internet unless otherwise agreed upon between parties. Each party will be responsible for the Internet access charges paid to its Internet service provider.

4. The terminating access service

4.1. The terminating access service conveys a call handed over from the Operator's System at a Phone Pulse Access Point for termination on any national number of Phone Pulse's network. Tariffs may be different for different categories of services identified by different number ranges.

4.2. The tariffs applied by Phone Pulse for the provision of the terminating access service are indicated in Annex 1. Only calls that have been setup successfully and answered will be charged. The charging time starts with the answering signal and ends with the first clear signal generated either by the calling or the called party.

4.3. Whenever CLI is transferred to the telecommunications network of Phone Pulse, Phone Pulse will not communicate such CLI to an end-user if such CLI is marked as CLIR.

5. Interconnection capacity

The initial interconnection capacity (and associated number of channels) will be agreed upon prior to the testing and signoff.

6. Quality of service of Phone Pulse's Interconnection Services

6.1. As far as the terminating access service is concerned, Phone Pulse undertakes to ensure for its own System a network failure rate, which is in line with the commonly accepted industry standards regarding QoS, for failures which are exclusively due to its System. Network failure rate is the ratio between the number of calls handed over by an Operator to be terminated on Phone Pulse's Network and failed due to insufficiencies in Phone Pulse Network and the total amount of calls handed over by that Operator to be terminated on Phone Pulse's network (excluding, in particular, failures due to end-user behaviour and failure of terminal equipment).

6.2. In the event of disturbance of the conveyance of traffic within its System, Phone Pulse may be constrained to implement the classical measures of traffic regulation (call gapping, etc. ...) in order to limit its effect on the quality of the service provided to its customers as well as to the Interconnected Operators. These measures of traffic regulation are applied to Phone Pulse and Operator traffic without discrimination. The target figures given above for network failure rate do not include failures that are caused by the mentioned measures of traffic regulation.

7. Procedure for Reaching an Interconnection Agreement

Requests for interconnection services shall be made via email to the following address:

noc@phonepulse.ie

8. Annexes 1 to 4

All prices mentioned here after are given exclusive of VAT or any other legal taxes, which will be added where applicable.

Annex 1: Tariffs applicable to the Terminating access service to geographic numbers, national interconnection.

Geographic Termination Rates

Operator	Phone Pulse
Charging Level	
Peak	€0.00051
Off Peak	€0.00051
Weekend	€0.00051
Effective From	04/01/2020

Universal Access Termination Rates

Operator	Phone Pulse
Charging Level	
Peak	€0.00051
Off Peak	€0.00051
Weekend	€0.00051
Effective From	04/01/2020

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VoIP Charges (076)

Operator	Phone Pulse
Charging Level	
Peak	€0.00051
Off Peak	€0.00051
Weekend	€0.00051
Effective From	04/01/2020