

Goldfish Telecom

Reference Interconnect Offer

March 2021

## Table Of Contents

1. Introduction
2. Definitions
3. Interconnection Architecture
4. The Termination Access Service
5. Interconnection Architecture
6. Number Portability
7. Quality of Service of Goldfish Telecom Interconnection Services
8. Procedure for Reaching an Interconnection Agreement
9. Annex 1 to 3

## 1. Introduction

1.1. This Reference Interconnect Offer ("RIO") defines the interconnection terms and conditions (including the list of the interconnection services) which Goldfish Telecom 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 Goldfish Telecom. This RIO focuses mainly 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 Goldfish Telecom will grant to other Operators. Nevertheless, Goldfish Telecom 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 their own or an interconnected Operator's network. Laws and regulations regarding confidentiality and access by legal authorities to calls on the Operator's and Goldfish Telecom network will apply.

1.5. Goldfish Telecom's "Reference Interconnect Offer" ('RIO') published pursuant to ComReg's Decision Notice D11/12. This document does not constitute an offer capable of acceptance or a template contract intended to act as a first draft for negotiations.

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 EU's law on electronic communications networks and services (Directive 2002/21/EC)

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) or any other legal taxes, which will be added where applicable. This RIO is valid from 1st January 2021, unless - a new Reference Interconnect Offer is published by Goldfish Telecom, or a material change occurs in the laws of regulations, governing telecommunications in Ireland.

## 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):** calling line identification as defined by the ITU-T

**Comreg:** the Commission for Communications Regulation (or such other statutory body as may be lawfully charged the statutory duties for the regulation of the telecommunications industry as may replace, substitute or subsume ComReg from time to time).

**Interconnection:** The interconnection with Goldfish Telecom, as defined in the Law.

**Interconnect Agreement:** An agreement between Goldfish Telecom and an Operator, which defines the conditions for the Interconnection.

**Interconnection Link:** A link between Goldfish Telecoms 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.

**KPI:** Key Performance Indicator

**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: Any legal or natural person exploiting telecommunications networks and/or providing telecommunications services in Ireland.

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

Parties: Goldfish Telecom 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 Goldfish Telecom and the Operator's System are interconnected. The POI is the boundary between Goldfish Telecoms 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 Goldfish Telecom: Goldfish Telecom, a company organised under Irish Laws, with registered seat at Yarra Yarra ,Beach Road, Greystones, County Wicklow duly notified as provider of electronic communications services.

Goldfish Telecoms Access Point: The physical interface within Goldfish Telecoms System from which the Interconnection Services can be obtained.

### 3. Interconnection Architecture

3.1 Goldfish Telecoms Access Point in Ireland: Goldfish Telecom has one site that is designed for use as an Interconnection Access Point. This site contains relevant switching and transmission equipment with all digital functionality for national and international traffic.

The address of the Interconnection Access Point is as follows:

Suite 1 Viatel Building College Business & Technology Park,  
1 Bóthar Bhaile Bhlainséir Thuaidh,  
Ballycoolen,  
Dublin 15,  
D15 PEC4

In case of national interconnection, the offered Interconnect Services relate to the entire national area.

3.2. System Alteration: If Goldfish Telecom wishes to make a system alteration, it shall give the Operator and the Regulator no less than 6 months written notice prior to the date of the anticipated system alteration. The notice shall specify the technical details of the system alteration and the date of the anticipated system alteration. Following such notification Goldfish Telecom 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 Goldfish Telecom, the following hierarchy of standards and procedures will apply:

Any legal requirements ETSI standards ITU-T Recommendations

National standards

Any other international standards

The SIP protocol is used as defined in RFC 3261 (<https://tools.ietf.org/html/rfc3261>) to convey and terminate voice calls.

The interconnect between both parties is provided over the public internet on IPv4, with addresses for signalling provided either by DNS A record or manually 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 Goldfish Telecom Access Point for termination on any national number of Goldfish Telecom's network. Tariffs may be different for different categories of services identified by different number ranges.

4.2. The tariffs applied by Goldfish Telecom for the provision of the terminating access service are indicated in Annex 1 and 2. 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 Goldfish Telecom, Goldfish Telecom will not communicate such CLI to an end-user if such CLI is marked as CLIR unless the call is directed to an emergency number.

5. Interconnection capacity

The initial interconnection capacity will be divided between dedicated IP Trunk Groups within Goldfish Telecom's Infrastructure for the provision of Services provided by Goldfish Telecom. An IP Trunk Group contains the dedicated bandwidth expressed in a number of concurrent Calls.

An IP Trunk Group is used for the handling of traffic of one or more Services. The possible combinations of Services in IP Trunk Groups are to be agreed between the parties.

## 6. Number Portability (NP)



### 6.1. Scope.

Number porting is initiated via a request to [support@goldfish.ie](mailto:support@goldfish.ie).

Requests will be accepted for review and processing between 9 am and 4 pm Monday to Fridays except bank holidays.

The customers UAN or Account number with their existing provider is needed for porting a number to Goldfish Telecom. A porting form will be provided via email to porting requests made to the above email address.

### 6.2. Tariffs and Billing

Tariffs of number portability will be those defined in Annex 3.

## 7. Quality of service of Goldfish Telecom Interconnection Services

7.1. As far as the terminating access service is concerned, Goldfish Telecom 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 Goldfish Telecom's Network and failed due to insufficiencies in Goldfish Telecom's Network and the total amount of calls handed over by that Operator to be terminated on Goldfish Telecoms' network (excluding, in particular, failures due to end-user behaviour or failure of terminal equipment, and failure of End users Broadband connection).

7.2. In the event of disturbance of the conveyance of traffic within its System, Goldfish Telecom may be constrained to implement the classical measures of traffic regulation (limiting channels, etc.) in order to limit its effect on the quality of the service provided to its customers as well as to the "Interconnected Operator".

## 8. Procedure for Reaching an Interconnection Agreement

Interconnection agreements shall be negotiated and reached according to the general modalities for interconnection as determined by the regulator.

Goldfish Telecom may demand the delivery of a bank guarantee on first demand of a Irish based bank of 35.000,- € in favour of Goldfish Telecom for the provisioning of the interconnect service. When, and as long as there exist serious and ascertained doubts regarding a client's solvency, the Company may without prejudice to previous arrangements demand payment in advance. Requests for interconnection services shall be made in writing to the following address:

Goldfish Telecom  
Yarra Yarra  
Beach Road  
Greystones  
County Wicklow  
A63 X954

## Annex 1 Geographical Termination rates

	<b>Peak</b>	<b>Off-Peak/Weekend</b>
<b>Cost Per minute</b>	<b>0.051 cent</b>	<b>0.051 cent</b>

## Annex 2

### OAO Terminating Charges for Universal Access (including 076 and 0818)

	<b>Peak</b>	<b>Off-Peak</b>
<b>Cost Per minute</b>	<b>0.051 cent</b>	<b>0.051 cent</b>

## Annex 3

### Porting Charges

**€5.00 per number.**