



MOBILE INTERCONNECT OFFER

VoIP Mobile Interconnection Offer

Valid as from 01/10/2021

Submitted to the BIPT on 24/09/2021. Any change to this Offer will be published on www.proximuswholesale.be

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1 Introduction

1.1 Notes and disclaimers

This offer becomes effective as from the date mentioned in the cover page until one subsequent Offer is validly published and without prejudice to the application of the paragraph below.

This document has been developed in accordance with BIPT's decision of 26/05/2017 ¹and the Commission Delegated Regulation (EU) 2021/654 of 18/12/2020 setting single maximum Union-wide voice termination rates.

In case of appeal against the “Commission Delegated Regulation (EU) 2021/654 of 18/12/2020 supplementing Directive (EU) 2018/1972 of the European Parliament and of the Council by setting a single maximum Union-wide mobile voice termination rate and a single maximum Union-wide fixed voice termination rate” and if the delegated regulation would be suspended, modified or annulled, following an appeal or any other court procedure, or in case of withdrawal of the said delegated regulation, or if the rates were to evolve on the basis of other regulatory actions, Proximus reserves all its rights to apply again the MTRs charged by Proximus before 1/7/2021 (hereafter “old MTRs”), and reserves its rights to retroactively claim the difference between the MTRs actually applied and the old MTRs or any other rates that would be imposed following the court procedure or regulatory action.

With regard to the signature of the Interconnect contract, the Offer can be negotiated by the parties and does not substitute for the parties' will.

Except otherwise agreed by the parties, the contract shall be adapted if the Offer is modified. This adaptation shall be in accordance with this Offer modifications.

1.2 Scope of the VoIP Mobile Interconnection Offer

The present Offer deals with the Interconnect Services Proximus offers to a Network Telecommunications Operator, hereafter called “Operator”, in order to allow end-users connected to the public Network of that Operator to communicate with end-users connected to the mobile network of Proximus.

¹ DÉCISION DU CONSEIL DE L'IBPT DU 26 MAI 2017 CONCERNANT L'ANALYSE DU MARCHÉ 2 : TERMINAISON D'APPEL VOCAL SUR LES RÉSEAUX MOBILES INDIVIDUELS

The Interconnect Services included in this Reference Interconnect Offer are the following services, as defined and described below:

- Terminating Access Services for Voice Calls to Mobile numbers on the Proximus Network
- Interconnect Link Service

The present Offer is not a binding offer and does not oblige Proximus to provide the services included in the Offer. Such services will only be provided following the negotiation and conclusion of an Interconnect Agreement.

Proximus reserves the right to modify its terms and conditions following any further review.

1.3 Limits of the VoIP Mobile Interconnection Offer

Modifications to the prices and conditions for Interconnection contained in the present Offer can be made at any time subject to the conditions for such modification set out in the applicable regulatory framework.

This Offer does not cover Calls to Proximus mobile numbers which are ported out to other Mobile operators.

In case of voice calls to non Proximus mobile numbers ported in to the Proximus network, these Calls shall be transmitted to Proximus network including a Routing Number providing the necessary information to route the Calls to the Proximus network.

It must be noticed that the Routing Number shall only be transmitted for Proximus mobile numbers not included in the Proximus mobile number ranges provided by BIPT to Proximus and not for Proximus mobile numbers within Proximus mobile number ranges. As a more general rule, this VoIP Mobile Interconnect Offer does not consider issues of mobile number portability.

Each Interconnect Agreement concluded with an Operator may include specific services negotiated between the two Parties which are not covered in the present Offer. The list of available services can be obtained by the Operator after the signing of a confidentiality agreement.

Any interconnect service supplied by an Operator to Proximus will be included in the Interconnect Agreement between Proximus and that Operator on the basis of the agreement reached between those Parties.

Proximus is not responsible for the content of the communications conveyed through its Interconnect Services.

The definitions included in this Reference Interconnect Offer are proper to this document and are without prejudice to the definitions contained in the applicable regulatory framework. This Offer only applies to services that are explicitly referred to in this Offer and, in case particular applications are indicated in the definition of some services, is only applicable for the applications concerned.

The capitalized terms in the present Reference Interconnect Offer have the meaning as defined below.

1.4 Definitions

Access Point	Location of the physical interface within a network to which Interconnect Links can be connected by another party.
Act	In the present Offer "the Act" means " <i>the Act of 13th June 2005 concerning Electronic Communication Services</i> "
Proximus mobile number ranges	Mobile Number ranges allocated by BIPT to Proximus
BIPT	Belgian Institute for postal services and telecommunications
Call Attempt	An attempt to establish a Call, without entering conversation phase.
Call	The establishment of a connection through a Network and the transmission and the delivery of a communication, from the terminal on which this communication has been generated to the terminal to which this communication is addressed, or to a network platform or to any other facility giving an automatic answer in the cases where the connection cannot be established.
Capacity (of the Interconnect Link)	Parameter for the communication volume between Proximus and the Operator. Capacity can be expressed as bandwidth or as number of simultaneous calls. It is applicable to an Interconnect link or an interconnect VLAN or an interconnect trunk group.
CLI	Calling Line Identification
Demarcation Point	The physical point (interface or patch panel) where one Parties' responsibility for the Service ends and the other Parties obligations start. It identifies and establishes the dividing line between the appropriate areas of responsibilities of the Parties.
Interconnect Agreement	An agreement concluded between Proximus and an Operator which describes, in particular, the technical, operational, billing, planning and financial conditions for the Interconnect Services between Proximus and the Operator and the provision of the Interconnection of the two Networks
Interconnect Link	A Link between the network of Operator-1 and an Access Point located, in the Network of Operator-2 in order to enable the provision of Interconnect Services,
Interconnect(ion) Services	Interconnect(ion) Services described in the present Offer
Interconnect(ion)	Cf. the Act, article 2, 19°
Mobile Numbers on the Proximus Network	Mobile Numbers within Proximus Mobile Number Ranges that are not ported out and Mobile Numbers belonging to other Mobile Operators Mobile Number ranges that have been ported in Proximus Network
Network (Telecommunication)	Cf. the Act, article 2, 48
Offer	The present VoIP Mobile Interconnection Offer

Operator	Operator which fulfils all conditions required by the Regulatory framework for electronic communication to provide the activities for which the Operator is requesting the services included in the present Offer.
Party	Depending on the context, Proximus and/or the Operator entering into an Interconnect Agreement
PRIO	PROXIMUS REFERENCE INTERCONNECT OFFER
Successful Call:	A call during which an answer signal (in the backward direction) has been received in accordance with the applicable international recommendations
Mobile Terminating Service:	Interconnect Service offered at a Proximus mobile Access Point through which Proximus conveys the Calls handed over by the Operator and directed to Proximus Mobile numbers on Proximus mobile Network from that Access Point to the End-User concerned
Unsuccessful Call	All calls which have passed through the Proximus Access Point and which are not Successful Calls
VoIP	Voice over Internet Protocol
Working Day:	Each day except Saturday, Sunday and the national legal holidays in Belgium

2 VoIP Interconnection Architecture

In order to interconnect with the Proximus mobile network, Proximus applies the same VoIP Interconnect architecture conditions as described in section 2 of the last applicable version of the PRIO (PROXIMUS REFERENCE INTERCONNECT OFFER - VoIP Interconnection offer). All aspects regarding traffic types, interconnect links, access area (access points) and the different interconnect architectures are also applicable for this Offer.

3 Mobile Terminating Service

The Voice Telephony traffic generated by end-users on the Operator's Network and directed to the Proximus Network is to be conveyed from an Interconnected Operator Access Point to Proximus Access Point(s) to which the Operator shall be connected. The Mobile Terminating Service for Calls to Mobile numbers on the Proximus Network and the terms and conditions applicable to it are available for Calls handed over by the Operator and terminated by Proximus on its Network.

The prices applicable to the Mobile Terminating Service for Calls to Mobile numbers on the Proximus Network which are not ported outside the Proximus Network are indicated in §7.1 Mobile Terminating rate in this document. The prices indicated are also applicable to Calls to non-Proximus mobile numbers ported to the Proximus Network, which are handed over by the Operator at a Proximus Access Point with a Routing Number providing all the necessary information to route the Calls concerned to their final destination in the Proximus Network. The Routing Number shall only be transmitted for non-Proximus numbers and never for Proximus number ranges.

The Operator is responsible for the setting of the retail prices and for the invoicing of its end-users for the Calls to Mobile numbers on the Proximus Network.

The Operator shall ensure the transmission of the CLI and that the CLI has been screened in the network in which the Call was originated, against the Relevant Numbering Scheme. Network screening shall imply that there will be at least verification by the Operator that the CLI concerned is accurate and that the necessary steps are taken to ensure that the original and appropriate CLI has not been modified or manipulated.

The proper functioning of the CLIP/CLIR supplementary services depends on the availability of the CLI and the status of the relevant parameters to be transmitted in the signalling protocol indicating whether or not the CLI may be presented to the called end-user.

4 VoIP Interconnect Links

Each Operator is responsible for the dimensioning and payment of the Interconnect Links required for the conveyance of its own traffic.

More precisely, an Operator requesting Interconnection with the Proximus Network is responsible for the dimensioning and payment of the Interconnect Links conveying the traffic from the Operator's Network handed over to the Proximus Access Point to use Proximus Mobile Termination Service.

The dimensioning of the Interconnect Links for which Proximus is responsible and which carry non-mature traffic as defined in Planning and Operation document will take into account the traffic forecasting data provided by the Operator.

As far as the quality of the Mobile Terminating Services is concerned, Proximus shall not be responsible for an inadequate dimensioning of the Interconnect Links for whose dimensioning the Operator is responsible.

The description of the different possible VoIP interconnect links (Proximus Sited Interconnect Link (PSIL) or Customer Sited Interconnect Link (CSIL)) and the different interconnection architectures are described in the PRIO (sections 2 and 4 and Annex 2 of the PRIO for the related pricing applicable for the VoIP Interconnect Transport).

5 Technical conditions

Technical conditions for the VoIP Mobile interconnect services are included in the Technical Specifications which are available on the Proximus Wholesale website.

These includes (but not limited to) the following key requirements:

- Support of the SIP signalling protocol;
- The Operator must support the standard codec for mobile "AMR";
- Offer at least 2 IPv6 subnets (wherein an IBCF and an IBGF is addressable);
- The operator must order a minimum CAC - Media of 20Mbs for the mobile interconnection (the equivalent of 200 CAC-SIP Sessions);

6 Quality of Service

The quality and the security of the conveyance by Proximus of the Interconnect traffic is in accordance with the quality Proximus provides for its own traffic.

Proximus confirms that it uses all its reasonable endeavours to avoid problems of congestion but that such problems may still occur on a temporary basis in certain points of the Network. Operators which experience congestion for their Interconnect Traffic and conclude after investigations that the cause of the congestion is located in the Proximus Network can contact the appropriate Proximus contact point. On the basis of precise and detailed information provided by the Operator, Proximus will verify whether there is indeed a problem of congestion in the Proximus Network and will inform the Operator of the time schedule in which it is planned to eliminate the problem of congestion concerned.

In the event that a particular situation is susceptible to disturb temporarily the conveyance of traffic within its Network, Proximus could be constrained to implement traffic regulation 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 Proximus and Operator traffic without discrimination.

The Parties shall inform each other about the operational traffic management strategies to protect the quality of service and to alleviate short term overloads due to abnormal traffic patterns or failed facilities.

7 Pricing for Proximus Services

7.1 Mobile Terminating Rate

The rate applicable to the delivery of calls originated from Belgium or other EEA countries to the network of Proximus will be as follows:

As from 01/07/2021: € 0,007 per minute

As from 01/01/2022: € 0,0055 per minute

As from 01/01/2023: € 0,004 per minute

As from 01/01/2024: € 0,002 per minute

There is no set-up charge and the above price is applicable during all charging periods (peak/off-peak/weekend).

The list of EEA countries is presented in Annex of the present Offer.

The origin of a call is determined based on the country code of the calling party (the so-called A number).

Therefore, a call is considered as from EEA origin if the country code of the calling party falls in the list provided in Annex.

Remark: The rates above can also apply to calls originated from non-EEA origin provided the conditions mentioned in the EU Regulation are met. Proximus will inform the Operator for which non-EEA origin this is applicable.

7.2 Interconnect Link Service

As indicated in section 4 above, reference is made to Annex 2 of the PRIO for the related pricing applicable for the VoIP Interconnect Transport.

7.3 Implementation fee

Proximus incurs various significant costs for the implementation and testing of a direct Interconnect, such as costs for design and configuration, the setup and testing of the interconnection between the networks, the configuration and testing of the Services.

Therefore, If Proximus provides to the Operator VoIP Mobile Interconnect Services under the present VoIP Mobile Interconnect Offer, without the Operator providing interconnect services to Proximus (mobile network) allowing Proximus to directly send the Operator terminated traffic over the direct Interconnect Link, Proximus will charge the Operator an Implementation fee to cover the costs above mentioned.

Implementation fee (one-time fee): **€ 41.377,80**

Proximus will send and invoice to the Operator for these costs and the Operator will pay these costs within 30 calendar days following the date of the invoice sent by Proximus. These costs will have to be paid at the latest before the start of the testing activities. These costs should be seen as a minimum, Proximus reserves its right to adapt these costs in case the set-up requires more resources from Proximus.

7.4 Other fees

In case the Operator requires a change to be performed on the VoIP interconnect (change other than pure capacity related) Proximus will provide to the Operator the costs to perform that change such that it covers the implementation, configuration, testing effort required performed by Proximus.

8 Financial Guarantees

The same financial guarantees as the one described in the PRIO will be requested in the context of the present offer. Please refer to the PRIO (section Financial Guarantees) for the different possibilities and for the aspects linked to Prepayment, Sufficient Creditworthiness, Payment failure and Netting Agreement.

9 Onboarding procedure

Interconnect negotiations can only start after the transmission to Proximus of a Statement of Requirement (SoR) document duly signed (this document is available on request or on the Proximus Wholesale website-secured section). This document represents the official request from the Operator to start negotiations in view of establishing an interconnection with Proximus.

The bringing into service of an Interconnection will be subject to the signature of an Interconnect Agreement with Proximus covering the services to be provided and, in the event of the extension of the services included in an existing Interconnect Agreement, the bringing into service of additional services. Any bringing into service of an additional Interconnect Service is subject to the conclusion of a complete commercial agreement concerning the additional Interconnect Service concerned. The reception by

Proximus of the confirmation that the Operator has been granted the adequate type of authorization entitling it to the benefit of the present Offer is one of the prerequisites for the conclusion of an Interconnect Agreement.

In order to have an optimized planning of the resources needed for the bringing into service and the subsequent phases of an Interconnection and in order to preserve the appropriate dimensioning of Proximus' Network enabling Proximus to handle the interconnect traffic as well as its own traffic in a proper manner, the Operator will have to supply forecasting data for traffic and Capacity according to the procedures, which are described in detail in the "Planning & Operations Document". The information to be communicated to Proximus related to the forecasting of the interconnect capacity to be delivered by the Operator shall be treated as confidential by Proximus and shall only be used for the purpose for which it is transmitted. The Proximus unit that receives the information will not communicate it to other units within Proximus that are not concerned with the interconnection procedures neither to Proximus' subsidiaries.

Requests for Mobile VoIP interconnection will follow the same sequence of tests phases as described in the PRIO and the request will be planned and prioritized under the same criterias as mentionned in the PRIO. The SOR, being for fixed interconnect or mobile interconnection will be considered globally. There will be one planning managed globally for all types of interconnection requests.

10 Evolution of the Offer

In case Proximus would be in the process of adapting its telecommunication infrastructure, Proximus will inform the Operators about the changes in its infrastructure that have an effect on the Interconnect Services Proximus offers. In as far as such technical changes are concerned that have a foreseeable impact on the Interconnect Services, Proximus will communicate such information as soon as reasonably practicable and not later than 12 months in advance of the planned changes (except if the change concerned is due to unforeseen circumstances and it therefore does not allow Proximus to respect the above mentioned period).

Annex : List of EEA countries

Country code	EEA Country
+43	Austria
+32	Belgium
+359	Bulgaria
+385	Croatia
+357	Cyprus
+420	Czech Republic
+45	Denmark
+372	Estonia
+358	Finland
+33	France
+49	Germany
+30	Greece
+36	Hungary
+353	Ireland
+39	Italy
+371	Latvia
+370	Lithuania
+352	Luxembourg
+356	Malta
+31	Netherlands
+48	Poland
+351	Portugal
+40	Romania
+421	Slovakia
+386	Slovenia
+34	Spain
+46	Sweden
+354	Iceland
+423	Liechtenstein
+47	Norway

Contact Point

Requests for Proximus documents mentioned in the present Offer can be made in writing by interested parties at the following Proximus contact point:

Proximus
Carrier & Wholesale
Boulevard du Roi Albert II, 27
1030 Brussels
e-mail: wholesale@proximus.com

The transmission by Proximus of the documents mentioned is subject to the prior signing of a confidentiality undertaking by the requesting party. Some documents are also available on Proximus secured website (to be found at www.proximuswholesale.be) which can be accessed by authorized parties after the receipt of a password.

Any requests for information related to the Offer should be addressed in writing to the above mentioned Proximus contact point. In particular, in the event of doubt as to the interpretation of the provisions of this Offer, Proximus should be contacted.