



Proximus access to the Shared Pair Service

Existing single pair

## Annex B 2.1 Service Description 3010

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## 1. Scope

1. This Service Description deals with the definitions of services, equipment and application requirements as well as properties of the Proximus Offer for the Shared Pair Service.

## 2. Definition

### 2.1 Product definition of the Shared Pair Service

2. A Raw Copper Loop is a pair of fully metallic copper wires on the section between the Proximus Main Distribution Frame at the Proximus Local Exchange building or Local Distribution Center and the End-User site connected on a Network Termination Point.
3. The Shared Pair Service is the service by which Proximus provides to the Beneficiary an access to an End-User by means of a part of the frequency of a Raw Copper Loop, whereby the entire frequency of the loop concerned is shared by Proximus and the Beneficiary as follows:
  - Proximus provides PSTN or ISDN BA services to the End-User (for which a full Subscription Fee is paid for by the End-User concerned) on the voice frequency part (also referred to in the present document as the low bandwidth) of that Raw Copper Loop.
  - Beneficiary provides data services to the same End-User based on broadband technology on the non-voice frequency part (also referred to in the present document as the high bandwidth) of that same Raw Copper Loop.
4. The Shared Pair Service requires that the End-User maintains its single line PSTN or ISDN BA Proximus Service for which a Subscription Fee is paid for by the End-User concerned. The "Annex E: Planning and Operations Manual" describes the procedures that are applicable in case of modification or cease requested by the End-User of the single line Proximus PSTN or ISDN BA Service. Any modification or a cease of the single line PSTN or ISDN BA Proximus Service requested by the End-User will affect the access to or the price of the Shared Pair Service by the Beneficiary.
5. A Shared Pair Service can therefore only be offered on a single, non-loaded and active pair. No load coils or other active equipment can be present in the circuit.

In case load coils or other active equipment are present in the circuit, Proximus will provide a process for proceeding with a new pair choice if technically feasible (if not, this has to be justified to the Beneficiary). For these services provided by Proximus, the Beneficiary will be charged the related extra fee that is set out in "Annex H: Pricing and Compensations".

6. Beneficiary has the right to gain access to the Shared Pair Service at the Main Distribution Frame level of the Local Exchange or the Local Distribution Center, where Proximus will install and maintain the necessary equipment to split the high frequency that is delivered to Beneficiary from the low frequency used by Proximus. For details and definitions of the high and the low bandwidth, reference is made to "Annex C: Technical Specifications".

7. The access to the high bandwidth at the Proximus network side will be realized on the Proximus Main Distribution Frame (MDF) by using dedicated Blocks per Beneficiary. From there, a pair of physical wires will be connected to the Splitter rack (Connection Cables) and brought back from the Splitter rack to Beneficiary dedicated blocks for the low frequency. From the Splitter rack, connections will be made to the colocation area of the Beneficiary by use of Tie Cables in case of Physical Colocation and by use of Extended Tie Cables in case of Distant Colocation.
8. At the Local Exchange or the Local Distribution Center, the Demarcation Point in case of Proximus delivered Tie Cabling will be:
  - in case of Physical or Virtual Colocation, the point on the Tie Cable just before it is connected to the collocated equipment of the Beneficiary;
  - in case of Distant Colocation, the Connectors in a Cross Connection Cabinet in the immediate vicinity of the Proximus Local building.
9. Notwithstanding what is mentioned above, the demarcation point in case of Beneficiary delivered Tie Cabling will be the Splitter rack in case of Shared pair.  
In case of Tie Cabling delivered by the Beneficiary, the area where the Demarcation Point is situated (area where the Splitter rack is situated in case of Shared Pair) at the Proximus Local Exchange or Local Distribution Center is in principle accessible to the Beneficiary for maintenance and test purposes. Beneficiary will have to justify the necessity of the planned maintenance and/or tests.
10. Beneficiary will have to substantially indicate the purpose of this access (to be mentioned with the application for guided access).
11. The access will be always with a security escort, at the expenses of the Beneficiary and pursuant to the conditions for guided access as described in the framework of co-mingling (Physical Colocation with escort access).

## 2.2 Types of Shared Pair Services

12. The following types of Shared Pair Services are offered under the present Reference Offer for ULL (for technical details concerning the nature of the signals to be used for each type of Shared Pair Service, reference is made to the relevant Technical Specifications in Annex C):

SPP (Shared Pair Service over PSTN)	The high frequency part on the loop concerned is to be used by the Beneficiary to connect DSL equipment providing DSL service capable of co-existing on the same pair as voice-band services (DSL over PSTN).
SPI (Shared Pair Service over ISDN)	The high frequency part on the loop concerned is to be used by the Beneficiary to connect DSL equipment providing DSL service capable of co-existing on the same pair as ISDN Basic Access services (DSL over ISDN).

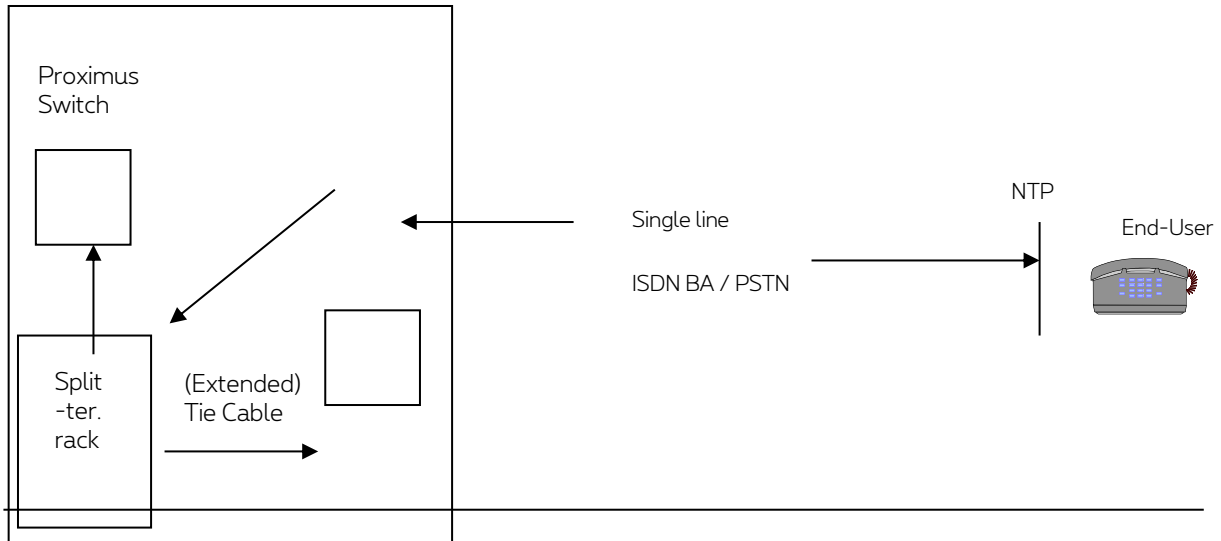
13. Proximus does no longer accept any new order of Shared Pair over ISDN.

## 2.3 Network Termination Point

14. The access to the high bandwidth at the End-User site will be at the Proximus Network Termination Point (NTP).
15. For single line PSTN Service, the Beneficiary will install the equipment on the Proximus Network Termination Point at the End-User site.
16. For single line ISDN BA Service, an AETHRA NT1-2ab as Proximus Network Termination Point has been installed. Proximus does no longer accept any new order of Shared Pair over ISDN.

## 2.4 Schematically

Proximus Local Exchange / LDC



For details on the Connection Cables and Tie Cables, reference is made to Service Descriptions 3030 and 3035.

### 3. Connectivity to the Beneficiary Network

17. At the Proximus Local Exchange building or Local Distribution Center, the copper wires are terminated on the Main Distribution Frame. Beneficiary's access to the copper wire pairs will be established by connecting Tie Cables from the Main Distribution Frame of the exchange to the colocation area in case of Physical Colocation and by connecting Extended Tie Cables from the Main Distribution Frame of the exchange to the Cross Connection Cabinet in case of Distant Colocation.
18. The installation and maintenance of the (Extended) Tie Cable and the provisioning and maintenance of the Blocks will be made by Proximus, as presented in Service Descriptions 3030 and 3035.

### 4. Colocation

19. For the provision of Colocation Services reference is made to the Colocation Agreement. A subscription to this agreement is a prerequisite to install equipment in a Proximus building. For the sake of clarity, Colocation Services can only be used to benefit from specific Proximus Services requiring colocation.

### 5. Spectrum management and equipment aspects

20. The "Annex C: Technical Specifications" to the contract contains the requirements related to spectrum management and equipment connected for use of the Shared Pair.

### 6. Boundary conditions and prerequisites

21. The Beneficiary is only allowed to use the Shared Pair Service for the purpose described in Section 2.2.
22. All equipment used by the Beneficiary will comply with the R&TTE Directive or any Directive replacing the latter.
23. It is to be noted that Proximus will not undertake customer care handling of End-Users of the Beneficiary. If Proximus receives requests from End-Users of the Beneficiary due to the inadequate handling of such requests by the Beneficiary, Proximus will not deal with them.
24. If equipment or network components that are operated by Beneficiary for its own use and are connected to the Proximus public telecommunications network cause disturbances in the Proximus Network, Beneficiary shall be required to disconnect the End-User connection without any delay.

25. Proximus shall use, in good faith, all reasonable endeavours to correct any trouble affecting the quality of the service provided by Proximus to its own End-Users. In this respect, Proximus is entitled to disconnect the Beneficiary's connection from the Proximus access network on the basis of End-User complaints, reports from the operational services of Proximus, etc., and provided that Proximus can demonstrate that Beneficiary's systems cause service degradation or disruption of the services offered by Proximus in the network.



## 7. Ordering and Provisioning of the Shared Pair Service

26. Proximus shall deliver access to the high bandwidth according to Beneficiary's orders submitted to Proximus. The terms and conditions for ordering and provisioning Shared Pair Services are defined in "Annex E: Planning and Operations Manual".

## 8. Termination of the voice subscription of the Shared Pair Service

27. In case of a Shared Pair Service where both Proximus and the Beneficiary provide services to an End-User, it can occur that the End-User ceases its voice subscription for that Shared Pair Loop. In that case, independently of the reason for termination of the voice subscription, Proximus will ensure that the service on the high bandwidth remains in service and keeps the copper pair connected on the Proximus splitter (Raw Copper + Splitter or Shared Pair Without Voice Service). This is applicable on condition that positions on the Proximus Horizontal blocks that are not connected are available at the MDF.
28. In case of a Shared Pair with ISDN voice service where both Proximus and the Beneficiary provide services to an End-User, Proximus may deactivate the ISDN voice service in order to replace it by an equivalent ISDN solution configured on a separate copper pair. In that case, Proximus will ensure that the service on the high bandwidth remains in service on the initial copper pair.
29. Proximus will inform the Beneficiary that the Shared Pair (With Voice) Service has been changed to a Shared Pair Without Voice Service (Raw Copper + Splitter), for which the Beneficiary will be charged the monthly rental fee for Raw Copper instead of Shared Pair. For repair the conditions of Raw Copper will apply. For the change to the Shared Pair Without Voice Service, no fee is applicable. The Beneficiary has at any time the possibility to ask for a change from its Shared Pair Without Voice to a Raw Copper and will thereby free up a dedicated splitter. For this change, a fee will be charged to the Beneficiary.
30. In case the Shared Pair Without Voice stays active and is not changed into a Raw Copper, the terms and conditions applicable to repair and maintenance will be the terms and conditions applicable to Raw Copper Services as described in the Proximus Reference Offer and the related documents.
31. If the Beneficiary decides to change the Shared Pair Without Voice into a Raw Copper, Beneficiary is notified of the fact that an interruption of its service during a limited timeframe (defined in hours) will take place in order to do the re-jumpering.
32. For the sake of clarity, this process can only take place pursuant to the General Terms and Conditions and if the necessary infrastructure is in place to do the re-jumpering, without prejudice to the other conditions that are defined from a process point of view.

## 9. Repair of the Shared Pair Service

33. The repair by Proximus of the Shared Pair Service between the Main Distribution Frame at the Local Exchange or Local Distribution Center and the End-User's NTP is included in the rental fee of the Shared Pair. The procedures for Incident Management and Repair are described in "Annex E: Planning and Operations Manual".
34. In case of a Wrongful Repair Request, Proximus will bill the Beneficiary according to the terms and conditions defined in "Annex E: Planning and Operations Manual" and "Annex H: Pricing and Compensations".

## 10. Pricing and Billing of the Shared Pair Service

35. The pricing of the Shared Pair Service covered by the present Reference Offer can be found in Annex H. Information concerning Billing and Accounting for the Shared Pair Service is included in Annex D.