



Proximus access to the Raw Copper Loop

Connection to the colocation

Local Distribution Center (LDC)

Annex B 1.5 Service Description 2045

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1. Scope

1. This Service Description deals with the definition of the service, equipment and application requirements for the connection of the Raw Copper Loop to the Colocation of the Beneficiary.
2. Colocation is a prerequisite for the implementation of this Service Description. The installation and maintenance of colocation will be made by Proximus.

2. Definition of the service

3. The following cases of Proximus colocation exist:

- (1) LDC Building or container colocation¹
- (2) LDC cabinet colocation or LDC Cross Connection cabinet colocation²
- (3) LDC vicinity colocation: Beneficiary will bring the cabling up to the LDC³

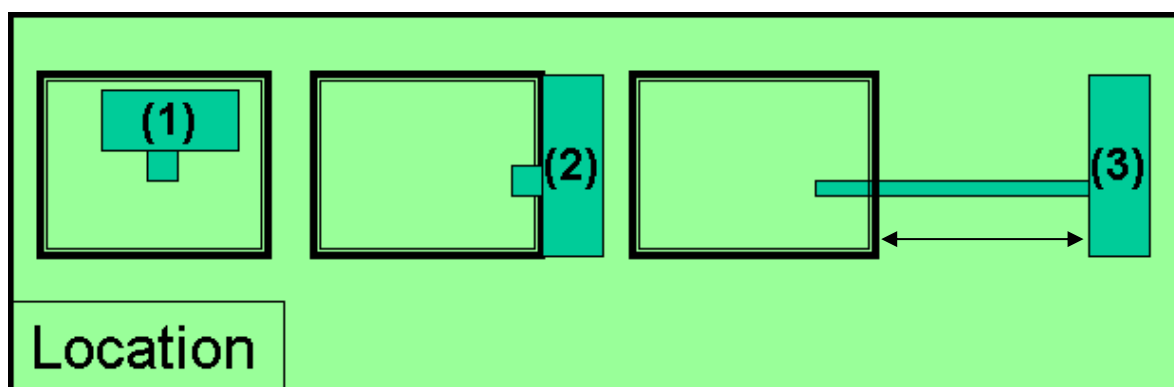


Fig. 1: Cases of Proximus colocation at LDC level

¹ Applicable for colocation cases 2.2.1 and 2.2.2 in Service Description "LDC Colocation" of the Colocation Offer.

² Applicable for colocation case 2.2.3 in Service Description "LDC Colocation" of the Colocation Offer.

³ Applicable for colocation case 2.2.4 in Service Description "LDC Colocation" of the Colocation Offer.

4. At the Proximus LDC, the copper wires are terminated on the Main Distribution Frame. Beneficiary's access to the Raw Copper Service will be established with Tie Cables from the Main Distribution Frame of the Proximus building to Beneficiary's Colocation in that same Proximus LDC.
5. Both the Low and High frequency are brought with the Tie Cables from the colocation to a dedicated Beneficiary block.

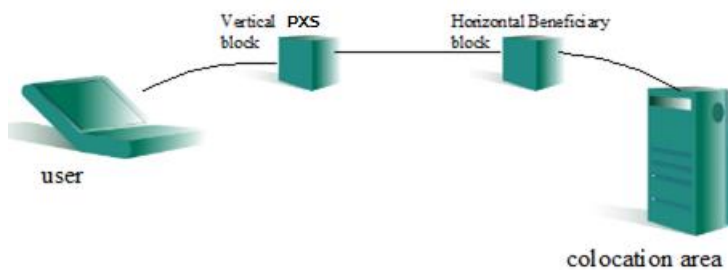


Fig. 2: Connection to the colocation

6. Beneficiary will order the Tie Cables and connection blocks at Proximus building prior to the request of Raw Copper Loops. This ordering process is described in "Annex E: Planning and Operations Manual".
7. If at a certain moment, no more free wires are available in the Tie Cables or no more free space is available on the blocks, the specific Raw Copper Loop requests issued by the Beneficiary will be discarded since the provisioning of the Raw Copper Loop cannot be performed.

3. Order increments

8. The default standard unit that Beneficiary can order for the provisioning between blocks on the MDF and the colocation area is as follows:
 - 48 connections in case of LDC building or container colocation for connection of Type 2 loop: the block on the MDF will be a 1x48 pair block and the Tie Cabling 2x24 pair shielded cables.
 - 48 connections in case of LDC Cabinet or LDC Cross Connection cabinet colocation for connection to Type 2 loop: the block on the MDF will be a 1x48 pair block, the Tie Cabling 2x24 pair shielded cables, inside the Cabinet or Cross Connection cabinet, the Tie Cabling will be terminated on LSA blocks.
 - 48 connections in case Beneficiary brings cabling up to the LDC for Type 2 loop: the blocks on the MDF will be 1x48 blocks.