



Wholesale Market

NGAN optical fibres in network access

Build your own broadband network for your services
using TIM's NGAN optical fibre and laying infrastructures



TIM

NGAN optical fibres in access network

Sale of inalienable rights of use of optical fibres in the Local Access Network, both in the Primary Network and in the Secondary Network owned by TIM, already laid and available, until their exhaustion.

Service features

Delivery	Delivery	Assurance SLAs
Primary optical fibres with existing PTO (100% of cases) within 30 working days	Primary optical fibres with PTO to be implemented (90% of cases) within 40 working days	Info Within 24 h in 100% of cases where service disruption is reported on days Monday - Friday time slot: 8am /4pm
Secondary optical fibres with existing PTO and PTE (100% of cases) within 30 working days	Secondary optical fibres with PTO and/or PTE to be implemented by 40 working days	

Who is it for?

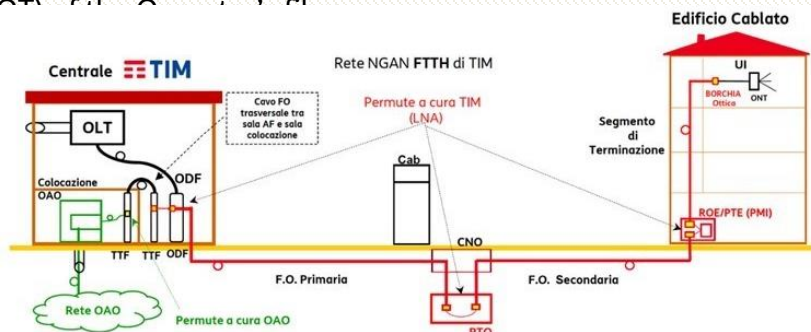
The service is for Operators wishing to build or upgrade their optical fibre network avoiding significant investments and duplication of existing infrastructure.

NGAN Optical Fibre Access Network Service Description

The **NGAN Optical Fibre access** service is offered on Telecom Italia's FTTCab and FTTH NGAN networks. It consists of providing a single link comprising Optical Fibres delivered to the access points set up by Telecom Italia for this purpose.

TIM releases the Optical Fibres in the NGAN Access Network between the following access points:

- connection in the Primary Network, from the Point of Operator Termination (POT) to the Exchange Termination Point (ETP/ODF, Optical Distribution Frame) in the corresponding TIM Fibre Exchange Centre;
- Secondary Network connection, from the Building Termination Point (BTP) to the corresponding Point of Operator Termination (POT) in the corresponding TIM Fibre Exchange Centre.



There are no plans to sell Optical Fibres at points in the network other than those described above.



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In particular, any Operator may request:

- on the Primary Network, optical fibre connections from a POT to the Connection Exchange of TIM, where the Operator is colocated (or has already requested colocation) in one of the following forms provided by the Reference Offer for Colocation Services: Type A or B physical; Type A, B or C virtual;
- in Secondary Network, Optical Fibre connections from each BTP of an FO Connected Building available and of interest of the Operator to the relevant POT.

There is no provision for the sale of Optical Fibres for connections other than those indicated (e.g. a connection between two OTPs).

In case of available space, the first POT will generally be placed directly inside the existing Cable Pit/Manhole where the Optical Nodal Centre (ONC) is already located (case of POT 'without Mini Cable Pit'), otherwise, the first POT will be placed inside a Mini Cable Pit, to be built together with the related connection infrastructure, at the ONC (case of ONC 'with Mini Cable Pit').

The Operator may request the following additional services:

- Optical Interconnection by TIM, using a harness connected at the POT, of the Primary Network Optical Fibres with the Secondary Network Optical Fibres, or of the Primary or Secondary Network Optical Fibres, ordered by the Operator, with the Optical Fibres laid by the Operator;
- the Optical Interconnection, using a harness connected at the BTP, of the Optical Fibres coming from the Secondary Network and the Termination Segment, ordered by the Operator;
- Testing by TIM of the complete connection of Primary Optical Fibres and Secondary Optical Fibres or Secondary Optical Fibres and Optical Fibres Termination Segment.

Regulatory conditions

The service is exclusively for:

- Operators with an individual license or a general authorisation for telecommunications networks and services for public use which existed before the entry into force of Italian Legislative Decree no. 259 of 1 August, 2003, containing the "Electronic Communications Code" (referred to in Article 38 of the Code), as last amended by Italian Legislative Decree no. 259 of 28 May, 2012. 70.
- Companies with a general authorisation for electronic communications networks and services pursuant to Art. 25 of Italian Legislative Decree no. 259 of 1 August 2003, as last amended by Italian Legislative Decree no. 70 of 28 May 2012.

The Offer relating to the **VULA** service is 'regulated', meaning it is subject to approval in all its aspects by the Italian Communications Regulator (AGCom) and is updated every year and published on this website in the Reference Offers section of this service.

Prices

The pricing model for the acquisition of inalienable rights of use of an optical fibre pair consists of a fee expressed on the basis of the duration of the contract, which can be 5, 10, 15 or 20 years. The fee includes routine maintenance. Contributions are expected based on the outcome of the feasibility study.

Please refer to the current Reference Offer for full pricing details.





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TIM SPA

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Tax Code/VAT no. and Milan Company Register no.: 00488410010
Entry in the Register of Producers of Electrical and Electronic
Equipment (AEE) IT080200000799
Share Capital €11,677,002,855.10 fully paid-up