



**Wholesale Market**

**Interconnection**

A secure connection to our TIM  
network



# Interconnection

To request and implement an interconnection network between your Points of Presence and the Points of Delivery of the enabled TIM network

## Service features

### **Speed Regional Flows**

- From Minimum 2 Mbps
- up to max. 2.5 Gbps

### **Speed Local Flows**

- From Minimum 2 Mbps
- up to Maximum 155 Mbps

## Who the service is for

The service is complementary to the provision of all wholesale services for which TIM has regulatory obligations, and is for operators intending to establish a physical interconnection with the Points of Delivery (PoD) of the TIM network enabled to provide regulated wholesale services.

## Preliminary Services

If you need to install your devices at a TIM location, you must first request the Colocation service.

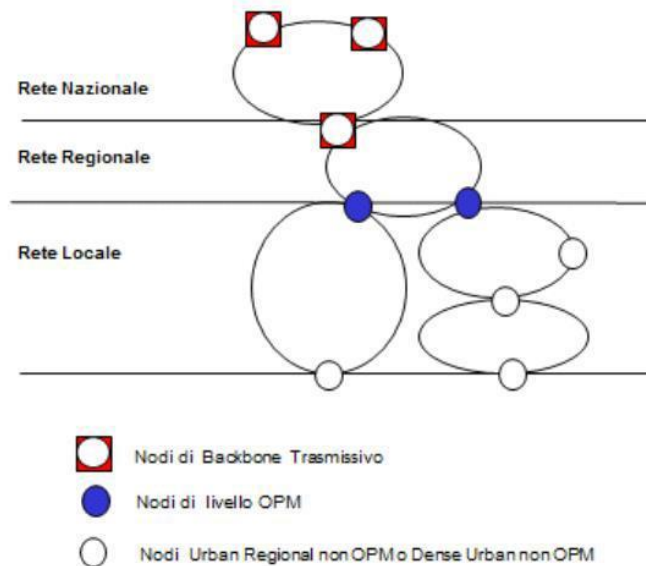
## Interconnection service description

Interconnection is a complementary service to the provision of all wholesale services for which TIM has regulatory obligations. It enables physical interconnection between the Operator's PoP (Point of Presence) and Points of Delivery (PoDs) of the TIM network-enabled to provide wholesale regulated services.

Interconnection is provided by PDH or SDH transport and is distinguished (depending on the hierarchical level of the transmission network to which the TIM network node belongs) into:



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- **'Regional' Interconnection Flow:** dedicated capacity circuit between the Operator's PoP, possibly located at a Telecom Italia exchange, and a node belonging to the TIM Regional Network; they are available with speeds from 2 Mbit/s up to 2.5 Gbit/s;
- **'Local' interconnection flow:** dedicated capacity circuit between the PoP, possibly located at a TIM exchange, and a node belonging to the TIM Local Area Network; they are available with speeds from 2Mbit/s up to 155Mbit/s.

The system chain consists of:

- access service, which includes the terminal equipment at the Operator's PoP and the network segment up to the TIM line stage location (not present if the Operator's PoP is located in a TIM exchange);
- transport service on the TIM junction transmission network to the PoD exchange (not present if the Operator's PoP is collocated in the TIM PoD exchange);
- delivery on physical or electronic distributor

## Provision and maintenance

Interconnection flows must be requested in conjunction with at least one interface related to a regulated service (e.g., switching functionality, ATM port etc).



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There are two ways of using interconnection flows:

- **Mono service:** Functional interconnection flow to a single interface of equal speed;
- **Multiservice:** Interconnection flow with 'Multiplexing' performance to bundle several interfaces of lower capacity, used to collect possibly different services on the same flow.

The service's provision is, in any case, subject to technical verification of the availability of all the network resources necessary to create the circuit. For specific configurations of Interconnection Flows, e.g., in cases of diversification of the network path, this verification is carried out during the feasibility study (to be requested before issuing the activation order).

Maintenance work can be requested by accessing, from the private area of this portal, a self-ticketing system for reporting faults; information on the resolution of inefficiencies is provided in the same channel of communication.

The service includes 'Basic' and 'Premium' activation and restoration times.

Further details on the service can be found in the published Regulated Offer in the Offers section of this service.

## Regulatory conditions

The service is intended exclusively for:

- Operators with an individual license or a general authorisation for telephone 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. 70 of 28 May 2012.
- Companies with a general authorisation for electronic communications networks and services pursuant to Art. 25 of the above-mentioned Italian Legislative Decree no. 259/2003, as last amended by Italian Legislative Decree no. 70 of 28 May 2012.

The Offer relating to the interconnection 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.



# Interconnection

The pricing of the service is as follows:

- **monthly access fee** (varying according to speed);
- **monthly kilometric fee for the transport route** (differentiated by distance and speed classes).

Further details on the service's economic conditions can be found in the published Regulated Offer in the Offerings section of this service.





# Wholesale Market

**TIM SPA**

Registered Office: Via Gaetano Negri, n.1 - 20123 Milano  
Sub-Office and General Management: Corso d'Italia, n. 41 - 00198 Roma  
Certified email box (PEC): [telecomitalia@pec.telecomitalia.it](mailto:telecomitalia@pec.telecomitalia.it)

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