



# MOBILE BACKHAULING OVER ETHERNET

High-quality Ethernet connections to connect  
antennas

# Mobile Backhauling over ethernet

The service allows the Operator to transport voice and data traffic from its mobile antennas to its POPs, using the Ethernet network.

Availability	SLA for outage	Assurance SLAs	Performance degradation
National Territory	Connection SLA	<b>5 solar hours</b>	For all connection types:
100%	90% of the time: <b>8 solar hours</b>		99% of cases: <b>3 solar days</b>
	100% of the time: <b>14 solar hours</b>		

## A chi è rivolto

The service responds to the growing request from Operators to transport voice and data traffic from their mobile antennas to their POPs, using the Ethernet network capable of guaranteeing differentiated traffic quality.

## Descrizione del servizio

The Mobile Over Ethernet Backhauling Service allows the Operator to transport voice and data traffic from its radio antennas to its network PoPs and is based on the Ethernet network capable of guaranteeing differentiated traffic quality.

The service involves the installation of a level 2 Ethernet device, PTR or Catalyst, at the control panel connected to the site intended for Backhauling.

The service consists of connections with fiber optic access and packet network transport (OPM network). OPM transport occurs through the creation of s-VLANs compliant with the 802.1ad standard, delivered to the Operator through an interconnection kit to its site.

Compliance with the QinQ (802.1q) standard can be optionally provided upon request.

The profiles available in the Offer are:

- BH Internet Data: with CoS 1;
- BH Silver Data: for video applications with CoS 3;
- BH Gold Data: for voice applications with CoS 5;
- Multi-CoS: the following profiles are envisaged:
  - I. Profile A: 70% CoS 1. 20% CoS 3. 10% CoS 5
  - II. Profile B: 90% CoS 1 and 10% COS 5
  - III. Profile C: 80% CoS 1 and 20% COS 3

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Profile /C.I.R	10 M	20 M	30 M	40 M	50 M	60 M	100 M	200 M	300 M	>300
BH Fixed Data	X	X	X	X	X	X	X	X	X	O
BH Fixed Premium	X	X	X	X	X	X	-	-	-	-
BH Fixed Strict Priority	X	X	-	-	-	-	-	-	-	-
Multi-CoS	X	X	X	X	X	X	X	X	X	O

Legend: x           -> Profile available  
o           -> Only on a Project Basis and subject to a Feasibility Study  
-           -> Profile not available

## Annual connection availability

Availability levels depend on the length of links to mobile sites; FiberCop the relevant data is evaluated on a specific project.

The annual availability values of the connection, in the hypothesis of a fiber connection approximately 10 km long, are:

- if delivery takes place in the metropolitan area: **99.959%**;
- if delivery takes place in the Long Distance area: **99.957%**.

## What else should you know

The sale of Connections must always be preceded by a feasibility study.

If the Operator wishes to have a connection delivered to its own PoP located in a FiberCop exchange, it must have signed a **Commercial Housing** or **Colocation** contract.

## Pricing

For each individual BH Mobile Connection the following are provided:

- a one-off activation fee
- a monthly fee

For each Ethernet KIT the following are provided:

- a one-off activation fee

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## Regulatory Conditions

The offer is aimed at Operators holding individual licences or general authorisations 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 concerning the 'Electronic Communications Code' (referred to in Art. 38 of the Code), as last amended by Italian Legislative Decree no. 70 of 28 May 2012, and to companies holding a general authorisation for electronic communications networks and services pursuant to Article 25 of Italian Legislative Decree no. 259 of 1 August 2003, as last amended by Italian Legislative Decree no. 70 of 28 May 2012

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