

# Point to Point (P2P) Backhaul

Point to Point (P2P) Backhaul is for service providers who require a robust and reliable high speed Ethernet backhaul service that provides dedicated bandwidth.



telecom™

Wholesale



# P2P Backhaul

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P2P Backhaul is delivered over a Next Generation Ethernet network via a series of tiered layers of Ethernet Aggregation Switches (EAS). It provides service providers with a permanently connected, point to point, high speed data connection that provides a secure and uncontended Ethernet backhaul service.

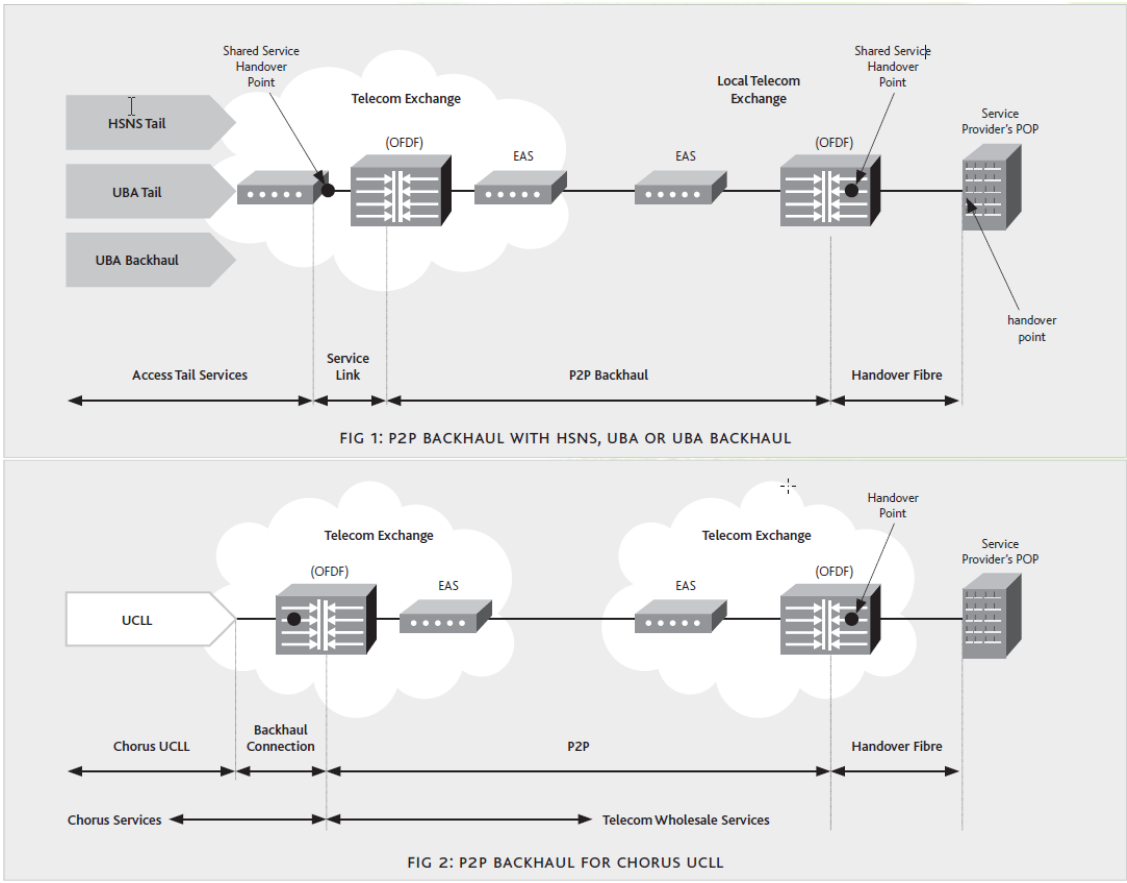
P2P Backhaul can support Chorus services such as Enhanced UBA, and other Bitstream services

## Benefits

P2P Backhaul:

- **Can be used to build core network capability** and high capacity links between your own network POP sites.
- **Builds a local/regional/national presence** to meet your business requirements.
- **Offers a range of transmission speeds** – 10M, 20M, 50M, 100M, 200M, 500M and 1Gig.
- **Features scalable bandwidth** supports bandwidth-hungry applications such as enterprise resource planning and customer

# P2P Backhaul



## How it works

P2P Backhaul provides a dedicated point to point Ethernet connection between any two Telecom EAS nodes. Technically this means the service provides a symmetrical layer 2 CIR=PIR bridging service between two Ethernet interfaces.

The service demarcation for P2P Backhaul is the fibre connector on the Telecom Optical Fibre Distribution Frame (OFDF) at the EAS exchange site at each end of the P2P Backhaul "pipe".

Connection to other Telecom services or a service provider's network is facilitated by either a Handover Fibre, a Service Link or a Backhaul Connection:

1. A Handover Fibre is used for connecting P2P Backhaul to a service provider's network point of presence (POP). The Handover Fibre can be supplied by Telecom or the service provider.

2. A Service Link connects Chorus access tail services to P2P Backhaul within the same exchange.
3. A Backhaul Connection connects Chorus UCLL Services to P2P Backhaul. It must be noted traffic cannot be easily combined with Enhanced UBA and Bitstream traffic. It is recommended that a separate P2P Backhaul is purchased for this service. A Chorus supplied Backhaul Connection must be ordered with the Chorus UCLL services to facilitate connection to a Telecom Wholesale P2P Backhaul.

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## Availability

The P2P Backhaul is available where Telecom has deployed appropriate Ethernet-based technology. P2P Backhaul is delivered over a NGN Ethernet platform and service coverage will follow the rollout.

Contact your Telecom Wholesale account manager for details of the exchanges where P2P Backhaul is available. This will be updated with the rollout programme.

## Requirements

The service provider must meet certain prerequisites, which including having:

- Established a Handover Fibre between Telecom's OFDF and the service provider's POP.
- A help desk to support fault pre-diagnosis to establish that the fault is not within its responsibility prior to reporting the fault to Telecom Wholesale.

**For more information contact your Telecom Wholesale account manager or see [www.telecomwholesale.co.nz](http://www.telecomwholesale.co.nz) to find out more about becoming a customer.**

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