

HOW IT WORKS

Exchange Backhaul service provides reliable and highly scalable connections from Chorus exchanges directly back to your Point-to-Presence (POP). The service is delivered against a robust SLA enabling you to assure a quality service experience for your end subscriber.

The service is available in a Point-to-Point or Point-to-Multipoint configuration. Handover at the Chorus exchange is via an optical interface at 1 Gbit/s enabling you to readily expand their bandwidth as demand increases.

Designed to meet your need for flexibility, the service supports large frame sizes and Q-in-Q VLAN tagging, if required.

Carried end-to-end over the VectorFibre highly resilient next-generation fibre-optic network, you can be assured that your customers' traffic is in safe hands.

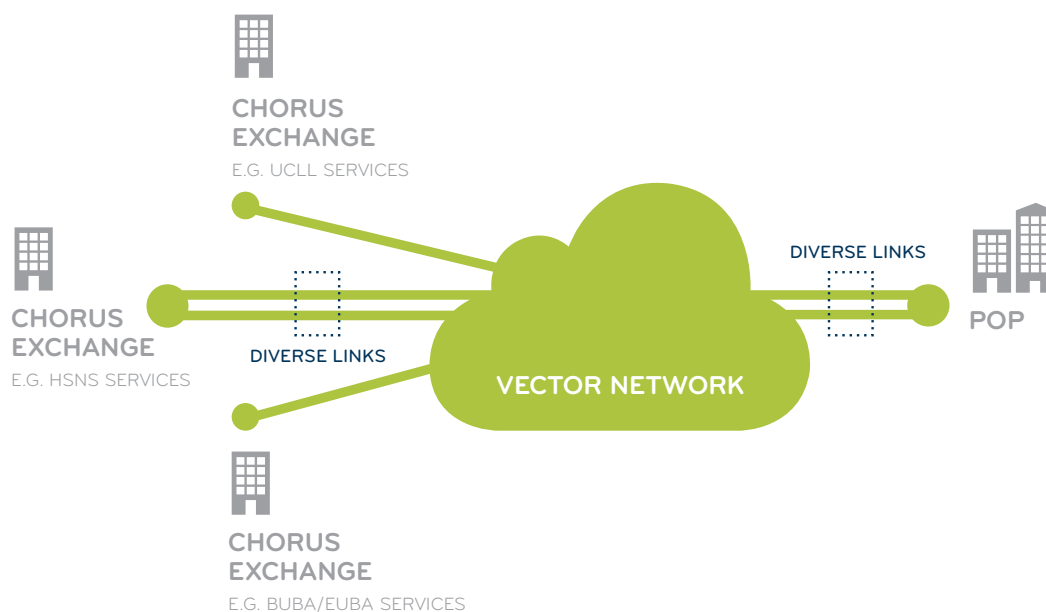


This service is internationally certified for performance and reliability by the Metro Ethernet Forum.

TECHNOLOGY OVERVIEW

At your POP, the service can be presented on either discrete optical interfaces for each Chorus exchange or on a standard Gigabit Ethernet Service Provider Port (choice of separate Ethernet Virtual Circuits per exchange or as a single multiplexed service).

Dual access option is available for access to Chorus services on request, providing additional service protection and improved availability for critical exchanges.



SERVICE SPECIFICATIONS

Service Attributes	
Physical Medium	Fibre (SC or LC connector): 1000Base-SX/LX/ZX (1 Gbit/s)
Mode	Full Duplex
MAC Layer	IEEE 802.3 - 2002
UNI MTU Size	1522 bytes (larger MTU sizes available upon request)
Ingress Bandwidth Profile Per UNI	50, 100, 200, 500, 1000 Mbit/s (Committed Information Rate)
Egress Bandwidth Profile Per EVC	50, 100, 200, 500, 1000 Mbit/s (Committed Information Rate)

EVC Service Attributes	
CE-VLAN ID Preservation	Supported
CE-VLAN CoS Preservation	Supported

SERVICE PERFORMANCE

Availability	99.9% (access protection option delivering higher availability upon request)
Class of Service Identifier	802.1p Class 1, only one CoS is supported through our network. Prioritisation to be performed by customer, as required.
Frame delay ¹	< 20 ms (95th Percentile)
Frame jitter ²	< 10 ms (95th Percentile)
Frame loss	< 0.1%

¹ Frame delay measurements do not include ingress/egress queuing and blocking delays as the effect of these parameters varies based on the bandwidth profile of the UNI.

² Frame jitter measurements do not include ingress/egress queuing and blocking delays as the effect of these parameters varies based on the bandwidth profile of the UNI.



Make sure your business gets the full benefit of Exchange Backhaul as soon as possible.
Call Vector Communications on 0800 826 436 or email contactus@vector.co.nz today.