

From: [REDACTED]
To: [DigitalConnectivity](#)
Subject: A Consultation on the State's Digital Connectivity Strategy Q2
Date: Thursday 31 March 2022 20:03:30
Attachments: [PiPiper_One_Page_IDA.pdf](#)
[ATT00001.htm](#)

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[REDACTED]

As per your request in Question 2 I am pleased to share our dark fibre network map.

A general observation is the high cost of foreshore licences for fibre cable landings, compared to our European neighbours, most of whom don't charge at all.

Please call me before any of our information is published.

Kind regards

[REDACTED]

Scaleable Optical Solutions

PIPIPER

Enabling, Future Networks

PiPiper is an Irish owned company that develops open access infrastructure frameworks for mobile and data carriers serving the needs of long haul data transit, Data Centres, MNO and RAN networks.

Our long-distance capability and Irish metro PoP connections makes it possible to achieve complete control over high bandwidth inter-city site-to-site connections.

Providing the lowest latency dark fibre routes from Galway, Limerick and Cork to Dublin the network forms a unique triple ring topology of highly secure express data corridors across Ireland.

A new diverse ring around the greater Dublin Metro area provides connectivity to the major Co-Location Data Centres.

Our digital infrastructure is located within 10km of 13 major electricity distribution stations across Ireland.

The network has been engineered to provide bespoke Service Level Agreements for our clients that meet the demands of both Hyperscale and Enterprise operations.

Network build features:

- ITU-T G.652.D fibre used for inter-city and metro routes
- ODF termination using high quality LC/APC connectors
- 9 Carrier neutral PoP locations providing interconnection to global networks and submarine cables
- ILA separation 70-80km
- Network installation commenced December 2019
- Network RFS December 2021

Network Latencies (Single Path/1310nm/ G.652.D):

- <1ms Limerick - Dublin
- <0.9ms Athenry - Dublin
- <1.2ms Cork - Dublin
- <0.4ms Portlaoise - Dublin
- <0.2ms Kildare - Dublin

Our national digital infrastructure network:

- 780km long distance network linking many of our metro footprints to peering points in Dublin, Limerick, Cork and Galway
- 82km Dublin metro fibre ring footprint diverse from existing routes
- Dublin Metro Network connects to Clonsaugh, Blanchardstown, Grange Castle, Prospect Park and Citywest Business Park
- Independent and privately operated and unique from other infrastructure providers - ideal for providing resilient routes

