



## PENTANET LAUNCHES NEXUS, PERTH'S NEXT-GEN WIRELESS NETWORK

Pentanet Limited (ASX:5GG, Pentanet or Company) has achieved a significant milestone today with the commercial launch of neXus, the Company's next-generation intelligent mesh wireless network for Perth. Pentanet's neXus, exclusive to Pentanet, delivers an ultra high-speed wireless internet connection through the air using an innovative mesh technology.

To date, the Operation neXus campaign has generated over 11,000 registrations of interest from people in the community keen to become part of the network. The expression of interest phase was used to determine areas of demand and lay the foundation for scaling coverage density across the Perth metro area. The Pentanet field team is continuing the targeted infrastructure rollout with neXus now available in Aveley, Ellenbrook, Osborne Park, Doubleview, Wangara, Pearsall, Nollamara, Yokine, Canning Vale, Padbury, Glendalough, Woodlands, Innaloo Scarborough, and Duncraig. In addition, Wanneroo, Balcatta, Stirling, Trigg, Morley, and Mindarie are anticipated to go live by end July 2022.

Pentanet has launched the premium Hell Fast plan offering for neXus, with unlocked speeds and unlimited data for \$129 per month on a 12-month contract with a \$0 installation fee and a Wi-Fi 6 Prism Edge router. To celebrate the official launch of neXus, the \$129 Hell Fast plan will be available for just \$99 per month, and customers can lock in this price for the lifetime of their neXus service. This offer will only be available for a limited time.

Pentanet Managing Director, Mr Stephen Cornish, said, "It's taken us a significant amount of time and engineering resources to develop the technology into a product that can be commercialised at scale. But we said we would, and here it is - Pentanet doing Pentanet things. We believe the neXus technology will be disruptive to telecommunications and, after much research and deliberation, we have landed on an early adoption price point that we feel will also be disruptive and generate the growth in demand needed to support further expansion of existing coverage."

### What is neXus and how does it work?

Traditional Fixed Wireless connections require uninterrupted line of sight between a telecommunications tower and a connected premises. Pentanet's neXus employs intelligent Terragraph technology to provide subscribers with multiple points of connection, removing the traditional line of sight barrier and resulting in a resilient mesh of connected premises that continuously identifies and selects the optimal route for ultra high-performance connectivity.

Pentanet's neXus uses cutting-edge mmWave technology to deliver gigabit-enabled connectivity through the air over a lower-latency connection than traditional networks avoiding having to run expensive trenched fibre to homes. neXus can deliver speeds over 10-15x faster than the average Australian Fixed Broadband connection of 51.34Mbps<sup>1</sup>, as shown in Pentanet's neXus Beta Program.

A wireless neXus connection is faster to install and deploy than fixed line connections like the nbn™, which allows Pentanet to react quickly to the ever growing demand for better internet in Perth. In addition, as neXus expands, subscribers will have more access points to the network, reducing the impacts of maintenance, downtime or line of sight disruptions.

neXus increases coverage and addressable market on the Company's on-net services that deliver a premium experience for end-users and higher margins for the business.

## Beta Outcomes

The trial neXus network in Perth has been operating for multiple months and delivering high-speed broadband connectivity for selected households. To date, over 350 'Meshy Boi' distribution points have been installed, creating theoretical coverage of around 90 square kilometres and a theoretical network capacity of 7,260 premises (calculated by mapping the location of the distribution point and then determining the number of premises that can be served by that distribution point). Each Meshy Boi added to the network enables 20-25 more subscribers depending on the existing network density.

Some key beta results include:

- Fastest speeds achieved throughout the beta trial were 970Mbps download and 857Mbps upload
- Average speed of cabled-in beta users was 535Mbps
- Average maximum speeds were 606.5Mbps download and 513Mbps upload
- Average latency was 8.65ms, with a distribution between 2.4ms and 9ms
- A wireless hop introduces on average less than 0.5ms of latency

<sup>1</sup> (<https://speedtest.net/global-index/australia#fixed>)

*This announcement has been authorised for release by the Managing Director of Pentanet Limited, Mr Stephen Cornish.*

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## About Pentanet

Pentanet is a Perth-based, growth-focused telco delivering high-speed internet to a growing number of subscribers by providing them with next-generation internet speeds. This is achieved through Pentanet's market-leading private fixed-wireless network, the largest in Perth, as well as reselling fixed-line services such as NBN, where its wireless is not yet available.

Pentanet's flagship fixed wireless network has benefits for both customers and investors, offering an outstanding customer experience and a fixed-wireless product that is technically superior to most of the NBN – with attractive margins for investors. This sets Pentanet apart from most broadband providers, which only resell the NBN.

Pentanet is also part of the rollout of the next wave of subscription-based entertainment services – cloud gaming. The Company's Alliance Partner Agreement with NASDAQ listed NVIDIA – one of the world's largest producers of specialised graphic chips used in gaming – allows Pentanet to be the first to bring their GeForce NOW technology to Australia in 2021.

Pentanet was listed as #28 in the Deloitte Technology Fast 500™ Asia Pacific 2020, a ranking of the region's 500 fastest growing technology companies. On top of the Company's #28 overall ranking, Pentanet also ranked #3 for Australian companies on the list.