



City of Bayswater

NBN & Internet Plans

Morley and surrounding areas



What is NBN?



- ▶ Australia's National Broadband Network is an open-access data network project designed to bring us up-to-date with the rest of the world.
- ▶ The components are owned and rolled out by NBN Co Limited.
- ▶ ISPs contract to NBN Co to sell fixed internet access to end users.
- ▶ Conceived in 2007, approved in 2011, the cost to the taxpayer has been \$51 billion to end of 2018.
- ▶ The project plan has had many iterations with changes of government and cost blowouts.

The NBN Co logo consists of the text 'NBNCo' in a bold, sans-serif font. The 'NBN' is in a dark grey color, and the 'Co' is in a lighter grey color. To the right of the text is a stylized graphic of a globe or sphere, composed of horizontal, curved lines in shades of orange and yellow, suggesting a globe or a network structure.

NBNCo

Internet Options

- ▶ Dialup - DSL connection via copper wire through phone system.
- ▶ ISDN - Integrates Services Digital Network. Slightly faster.
- ▶ ADSL - Asynchronous Digital Subscriber Line (copper phone line)
- ▶ Mobile - 3G, 4G, 5G
- ▶ Cable - coaxial cable e.g. Foxtel

- ▶ Satellite - microwave transmission to orbiting satellites.
- ▶ Fibre/T1 - Fibre Optic cables typically used in the CBD.
- ▶ Fixed Wireless - Wireless towers to antenna radio links.
- ▶ BPL - Broadband over Powerline e.g. Western Power Bright.
- ▶ NBN - Mainly Fibre Optic cable but there are various termination methods at the customer premises.



Which option should I choose?

Some questions first...

- ▶ Do you currently have Internet?
- ▶ Do you need internet?
- ▶ Do you have an existing phone line?
- ▶ Do you need a phone line?
- ▶ Do you have a mobile phone?
- ▶ Where do you live?

Answers to these questions will help in choosing the right option from the many options available to you.

Other things to consider?

Some more questions...

- ▶ Do you use an existing phone in multiple rooms?
- ▶ Cable or cordless?
- ▶ Do you have a monitored alarm?
- ▶ Do you have any medical alert devices?
- ▶ Do you use fax?

Answers to these questions will help in choosing the right option from the many options available to you.

Do Your Own Research

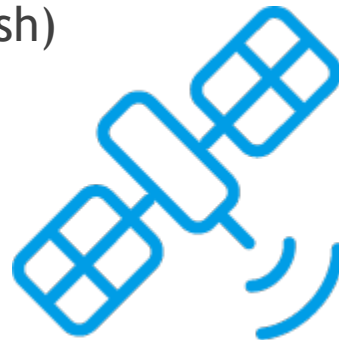
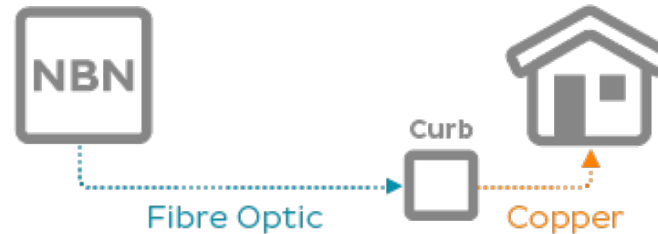
- ▶ Chat to your neighbours
- ▶ Contact your current ISP
- ▶ Get online and read some reviews
- ▶ Check out comparison sites like Whistleout



Understanding the NBN Types

There are 7 different connection types

- ▶ FTTP - Fibre to the premises
- ▶ FTTB - Fibre to the building
- ▶ FTTC - Fibre to the curb
- ▶ FTTN - Fibre to the node (in the street)
- ▶ HFC - Hybrid Fibre-Coaxial e.g foxtel
- ▶ Fixed Wireless (tower and antenna)
- ▶ Satellite (satellite dish)



Plans

There are 29 main providers in Perth each with differing options

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> amaysim | <input checked="" type="checkbox"/> Aussie Broadband | <input checked="" type="checkbox"/> Barefoot Telecom |
| <input checked="" type="checkbox"/> Belong | <input checked="" type="checkbox"/> Catch Connect | <input checked="" type="checkbox"/> Clear Networks |
| <input checked="" type="checkbox"/> Dodo | <input checked="" type="checkbox"/> Exetel | <input checked="" type="checkbox"/> iiNet |
| <input checked="" type="checkbox"/> Internode | <input checked="" type="checkbox"/> iPrimus | <input checked="" type="checkbox"/> IPSTAR |
| <input checked="" type="checkbox"/> Jeenee Mobile | <input checked="" type="checkbox"/> Kogan Internet | <input checked="" type="checkbox"/> Kogan Mobile |
| <input checked="" type="checkbox"/> Lebara Mobile | <input checked="" type="checkbox"/> MATE | <input checked="" type="checkbox"/> Moose Mobile |
| <input type="checkbox"/> More Telecom | <input checked="" type="checkbox"/> MyRepublic | <input checked="" type="checkbox"/> Optus |
| <input type="checkbox"/> Optus Business | <input checked="" type="checkbox"/> OVO | <input checked="" type="checkbox"/> SkyMesh |
| <input checked="" type="checkbox"/> Southern Phone | <input checked="" type="checkbox"/> SpinTel | <input checked="" type="checkbox"/> Tangerine Telecom |
| <input checked="" type="checkbox"/> Telstra | <input type="checkbox"/> Telstra Business | <input checked="" type="checkbox"/> TPG |
| <input checked="" type="checkbox"/> Vodafone | <input type="checkbox"/> Vodafone Business | <input checked="" type="checkbox"/> Yomojo |



Which do I choose?

- Data
- Speed
- Spend
- Providers
- Bundle
- Connection
- Advanced

- ▶ Small 25GB, Medium 100GB, Large 1000GB (unlimited)
- ▶ Standard 25Mbps, Standard Plus 50Mbps, Premium 100Mbps
- ▶ Monthly + any up-front fees
- ▶ Bundle phone line, mobile, TV entertainment
- ▶ Connection - There may be options
- ▶ Contract length, Modem and other options

Notes about Data and Speed

☁ Data

🌐 Speed

- ▶ Unlimited data may not be necessary unless you have teens and like to watch Netflix
- ▶ NBN infrastructure is shared so speed is affected by the number of users at certain times of the day
- ▶ FTTP can deliver 330Mbps
- ▶ FTTC is limited by max copper speed (approx 70Mbps)
- ▶ Other connection methods speeds will vary

- ▶ Choosing a smaller data plan can save you money but check the fine print for extra charges or speed shaping
- ▶ Beware of honeymoon pricing

Tony's Suggestions

- ▶ Internet Only (Exetel)
- ▶ Internet and Home Phone (Exetel, Optus)
- ▶ Internet and Mobile Phone (Spintel)
- ▶ Internet and Mobile and Home Phone (Spintel)
- ▶ Internet and Entertainment (iinet)
- ▶ <https://www.whistleout.com.au/Broadband/best-broadband-tv-bundles>
- ▶ <https://mozo.com.au/expertschoice/nbn-plans>

exetel

OPTUS

spintel

iinet

 Belong
Powered by Telstra

 TANGERINE

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enjoy it." - Frank A. Clark

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City of Bayswater Libraries
February eLearning Sessions

Upcoming sessions 2017

Internet & Search Engine Tricks

Computer guru, Tony Maccione will demonstrate how to use the Internet effectively using search engines such as Google and Bing. Feel free to bring along your own device.

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Hours Minutes Seconds

Internet & Search Engine Tricks

Register NOW! *NEW* Register online at <http://bayswater.evanced.info/signup>

Comments

- Want me to cover something in particular in this session?
- Follow this link to comment on the session.