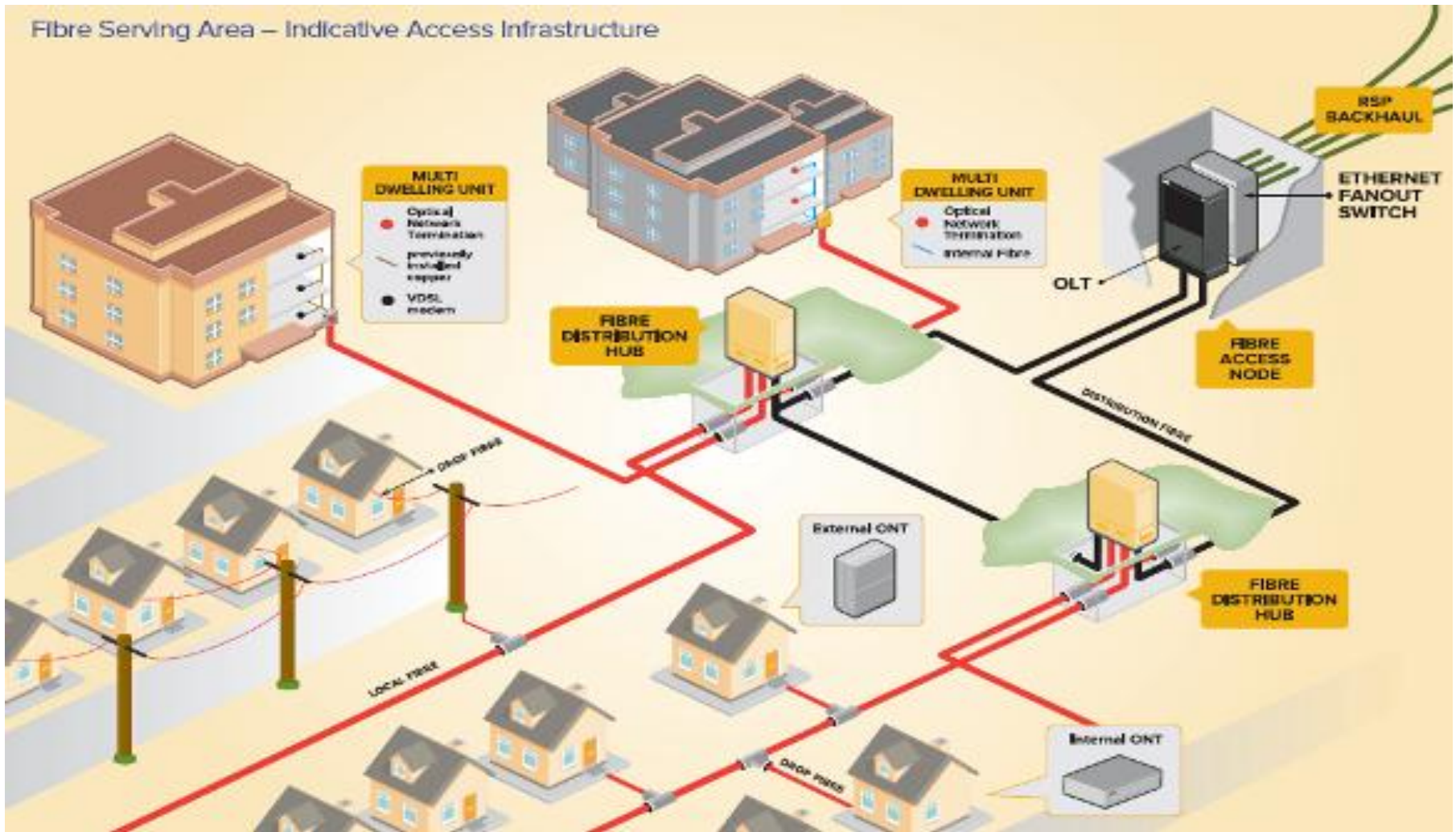


Hunter and Central Coast National Broadband Network Project

Taking Geography out of the Equation

NBN co - What are they building . . .



Super Fast Broadband.

Why is Super Fast Broadband such a big deal?

It is not all about download speeds although 100mbps allows and end user to download a 1 GB file in approx 80 seconds. That would take over 8 hours with 256kbps connection.

Super Fast Broadband takes Geography out of the Equation.

It does this by providing end users an immersive end user experience via High Definition video signals and Digital quality sound.

It provides this experience in either a point to point, point to multi point or multi-point to multi-point configuration.



Super Fast Broadband. .

This immersive experience enable the end user to conduct a vastly increased array of day to day tasks via the network rather than in person.

This will have a transformational effect on healthcare, aged care, education, connected communities, carbon emissions, work practices and the location of SME's and larger organisations



Head office does not have to be in George St, it could be in Hunter St, High Street or Wyong Road.

The network will be the enabler of business opportunities applications and services that do not yet exist.

Super Fast Broadband. . .

What is Fibre to the Premises and why?

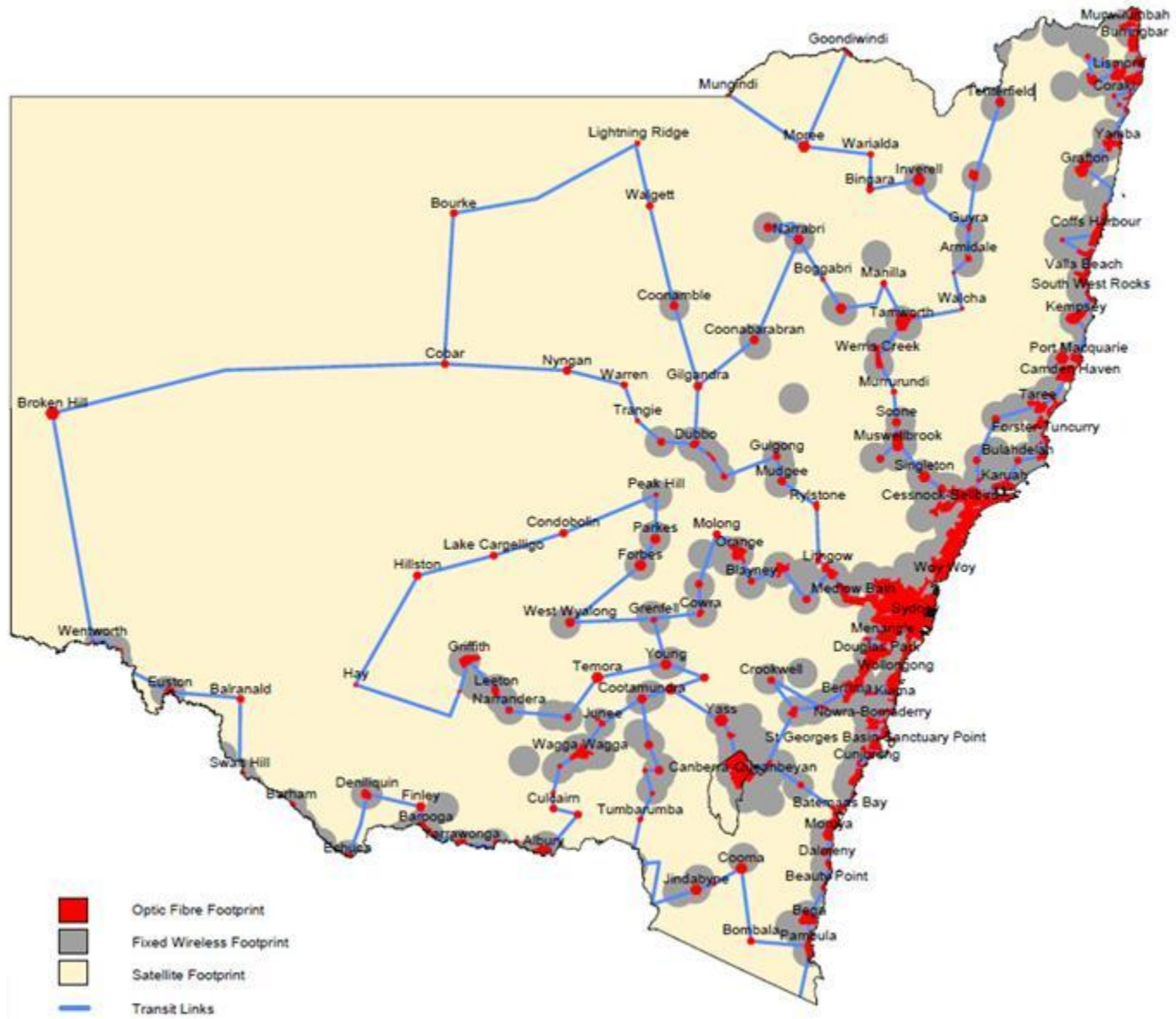
Fibre to the Premises (FTTP) Optic Cable that runs all the way to household or business premises from the nearest 'exchange' or Point of Interconnect.

Optical fibre is unique, in that it can carry a high-bandwidth signal enormous distances (50 km). Copper can support high bandwidth, (50 - 100Mbps or more) – but only carry the data for a few hundred metres.



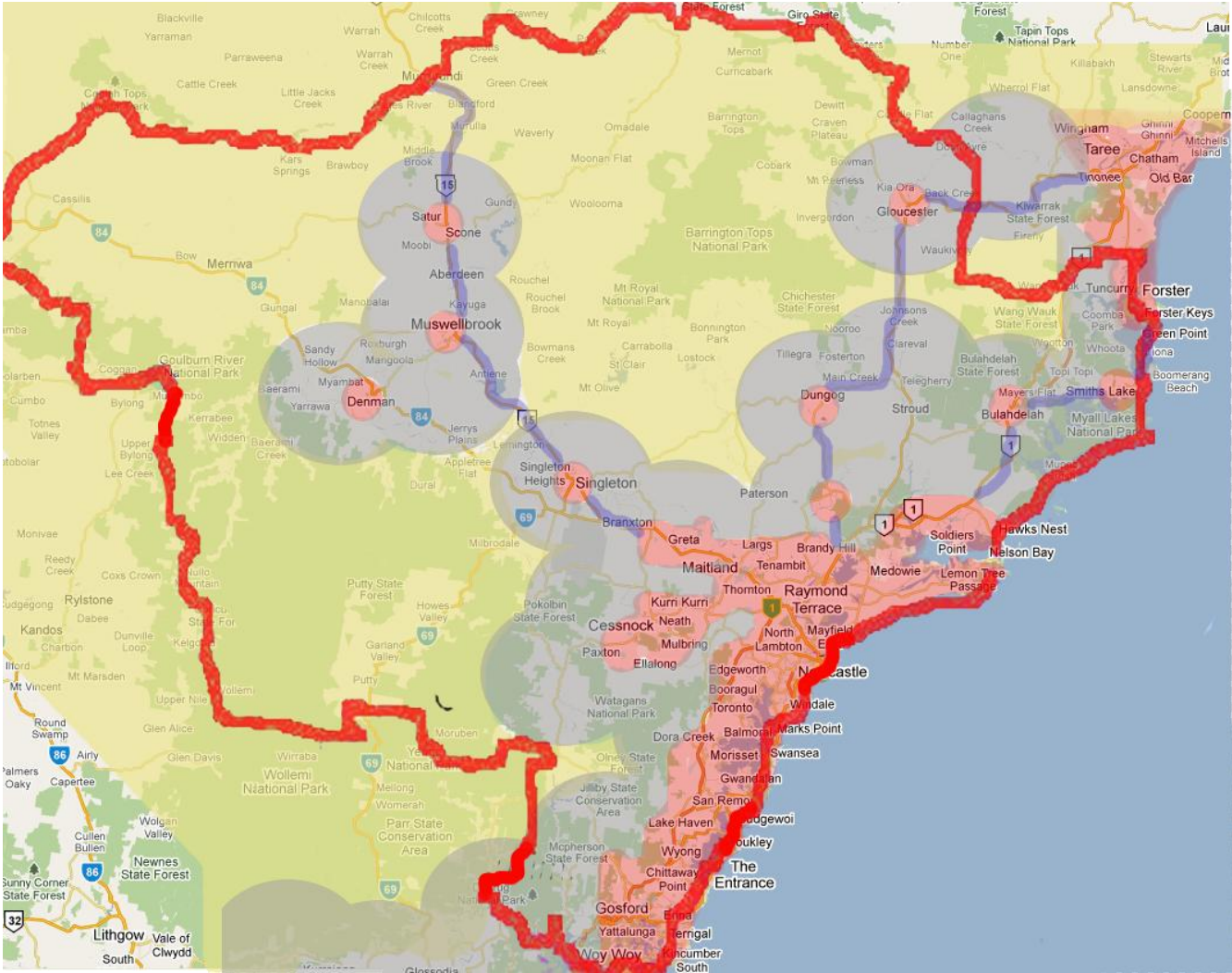
FTTP is considered future proof because throughput capacity can be greatly increased via equipment upgrades rather than cabling upgrades.

NBNco NSW Coverage Map



Hunter and Central Coast Coverage Map

Based on NBNco Coverage Map



Fibre to the Premises



Wireless



Satellite

What will it all look like? .



Rollout Strategy.

NBN Co anticipates that the rollout of the network will commence concurrently in all rollout regions, however, staged approaches may be adopted within each rollout region. The precise rollout strategy is still under development.



Training and Skills

It is envisioned that 25,000 jobs will be created each year over the 8 year life of this project, the majority of them focusing on the rollout and commissioning of the network.

Skills / Training required include:

- OH&S
- National Communications Infrastructure overview
- Fibre Optic principals
- Fibre Jointing
- Fibre to the Premises principles
- Wireless Networking Principles
- Wireless Networking Installation
- ONT Installation
- Basic Networking
- Structured Cabling Principles and Standards
- Network Infrastructure Installation
- Cable Locating
- Power Pole Inspection
- Pit and Pipe
- Horizontal Boring
- Cable Hauling
- Cable Reticulation principles and Standards
- Fault Finding
- Introductory Project management
- Quality Assurance
- Test Technician

It is estimated that less than 20% of this workforce currently exists.



NBN & RDA

RDA Hunter in conjunction with RDA Central Coast and Hunter Councils has commenced a project in January aimed at ensuring that the Hunter and Central Coast regions are seen as priority areas for the rollout of the network.

The project on focusing on 4 main areas

- Identification of Key Issues Impacting LGA and Utilities in the participation in the NBN rollout.
- Community Engagement to champion the benefits and discuss challenges associated with the rollout.
- Training Employment and Skills opportunities.
- Industry and Business engagement in order to provide up to date and relevant information with regards to the rollout.

For further information contact

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National Broadband Network
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Taking Geography out of the Equation



An Australian Government Initiative

