

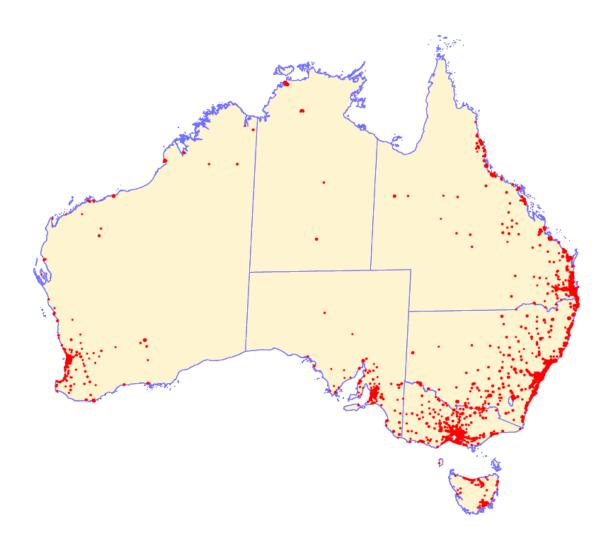
Infrastructure Partnerships Australia

Mike Quigley CEO NBN Co

28th April 2010

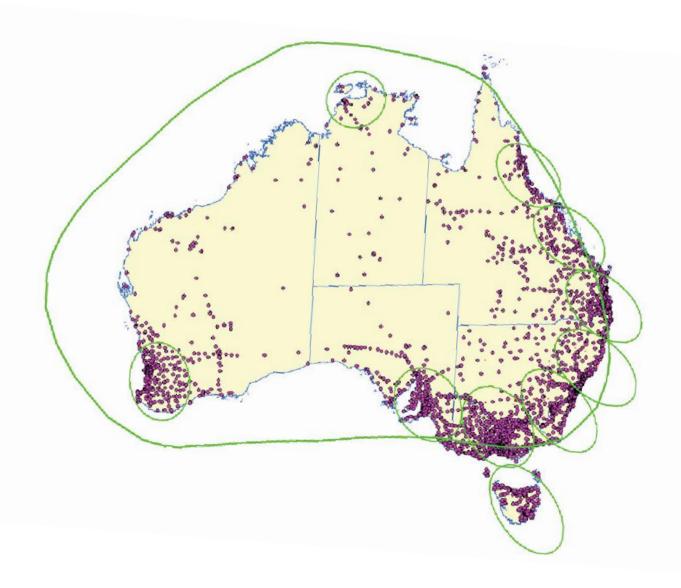
Australia – At least 90% Fibre Coverage



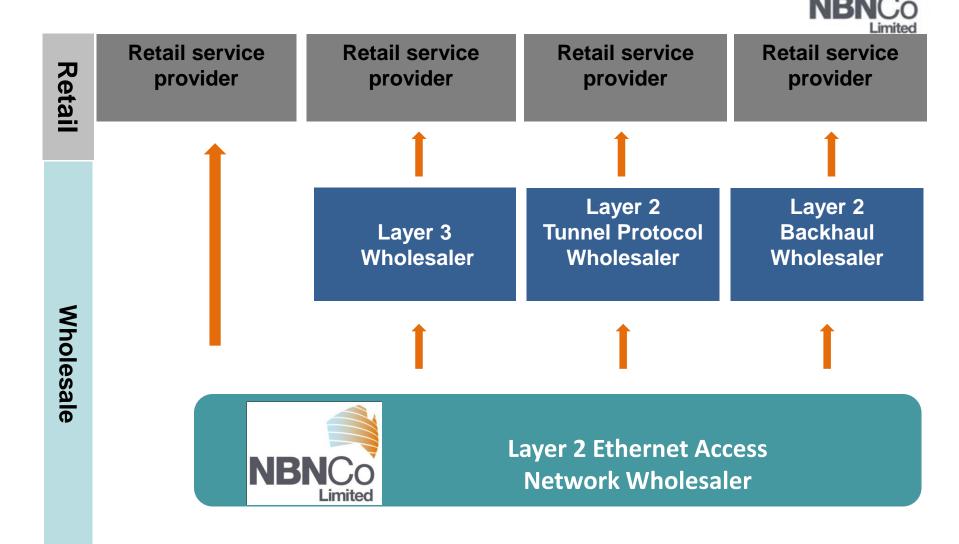


Australia – 10% Radio & Satellite Coverage



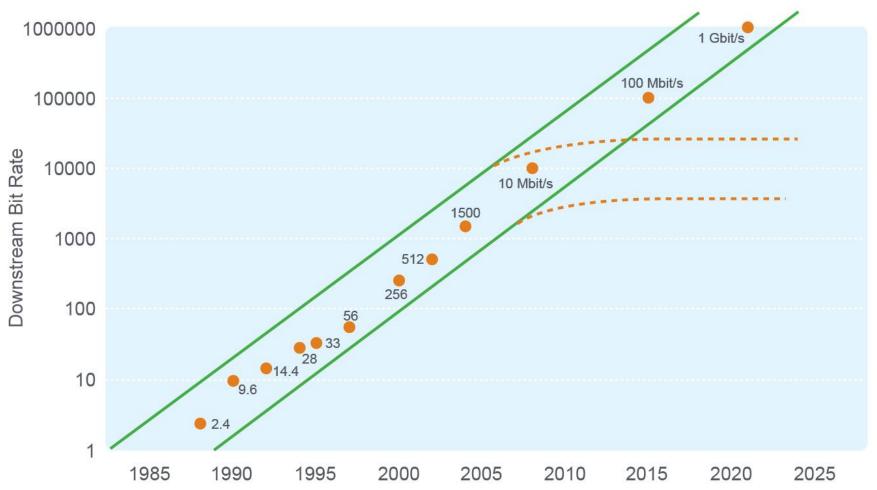


A Diversity of Wholesale and Retail Business Models



Fixed Bandwidth Demand

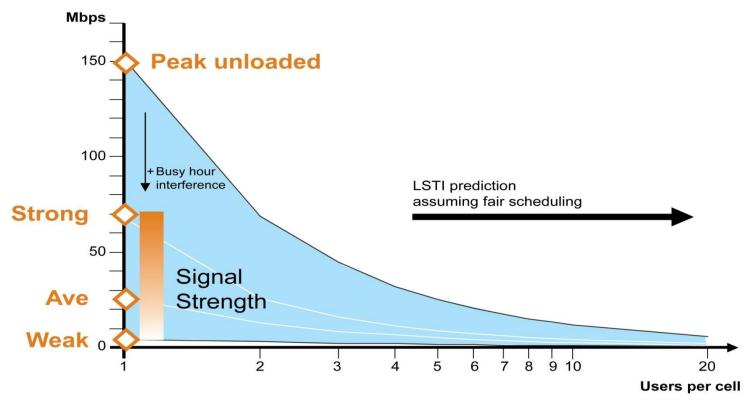




Latest LIE/SAE trials snow significant differences between peak rates and end-user throughput





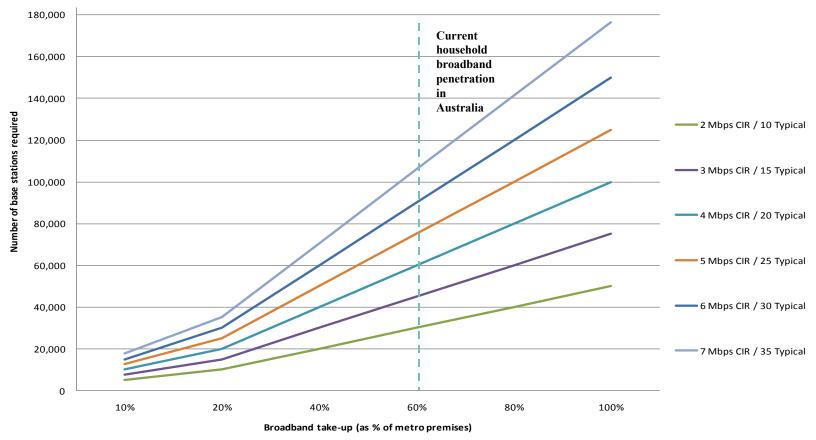


Notes: 2x20MHz, 2x2 MIMO

Source: LTE/SAE Trial Initiative (Oct 2009)

Base station requirements to deliver a "pest-efforts" wireless broadband service to metro Australia



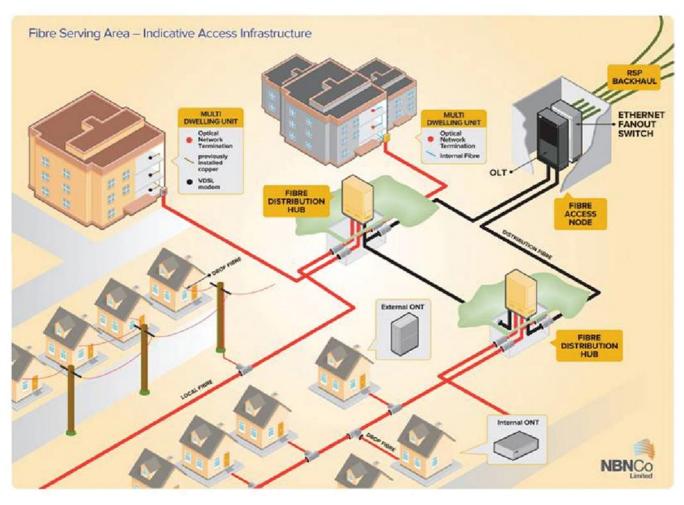


Notes:

- Assumed radio capacity is 360Mbps per site, based on LTE (3 sectors) operating at 700Mhz with 120 MHz of spectrum and benefits of 1.6x spectral efficiency uplift from IMT Advanced.
- 2. Provisioning of capacity assumes a contention ratio of 1:5 (e.g.: 1 in 5 subscribers active at any one time).

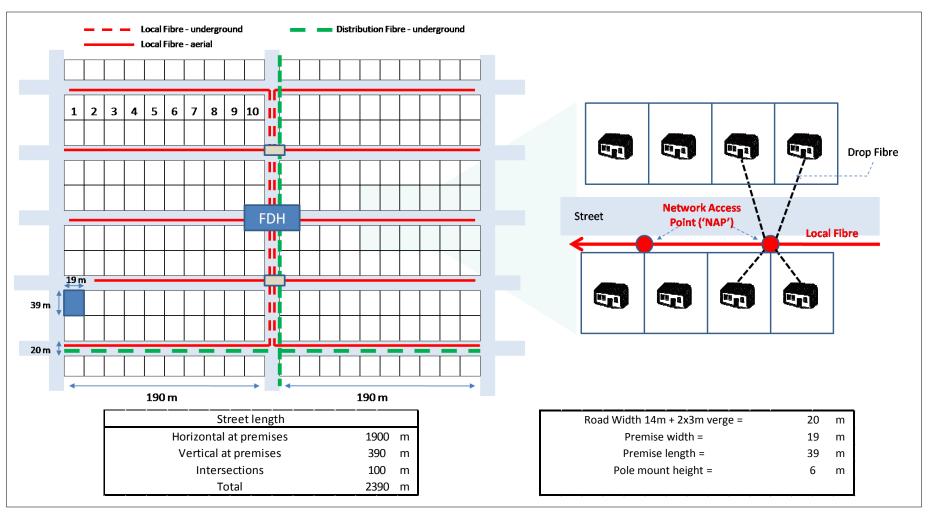
Physical Infrastructure Representation

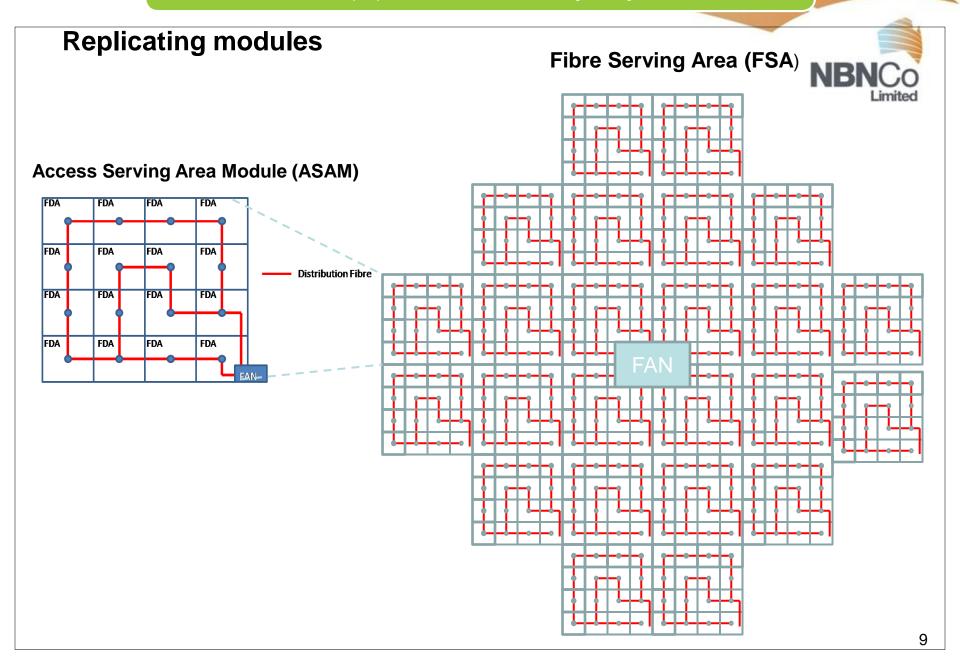




NBNCo Limited

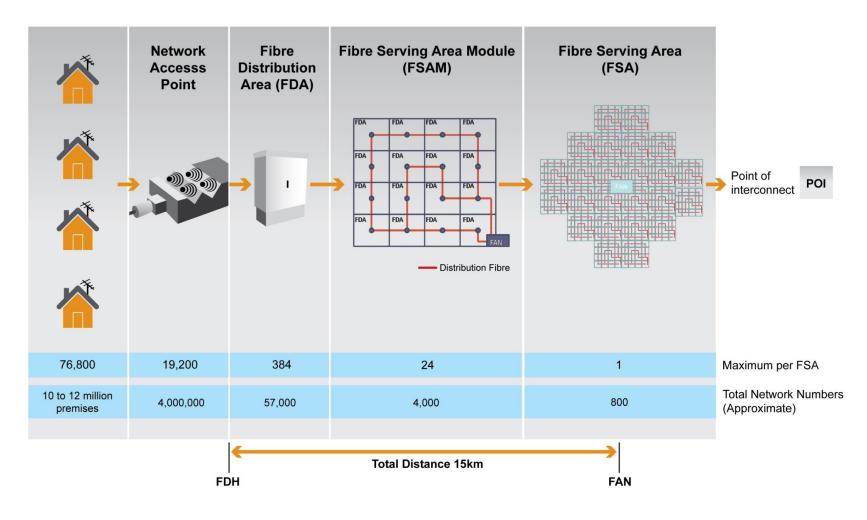
Fibre distribution hub (FDH) and NAP





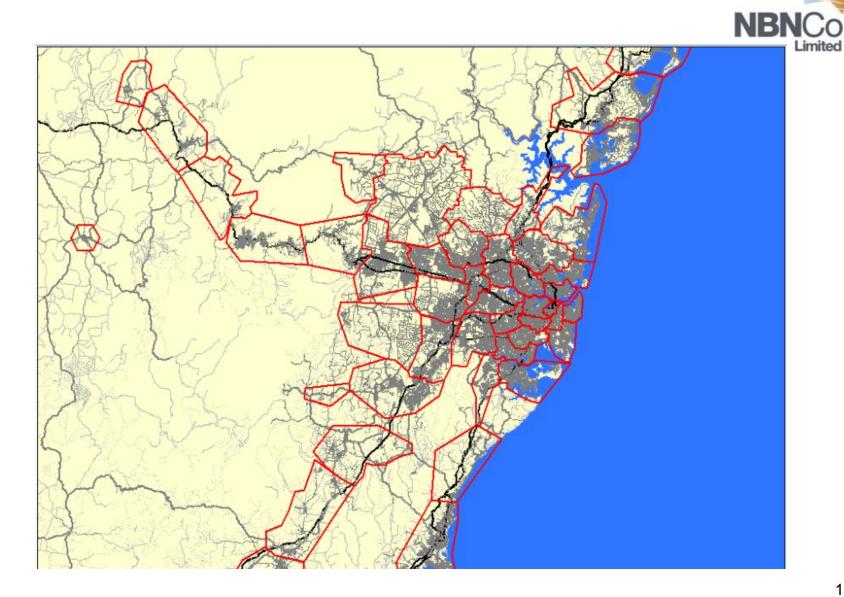
Network dimensions – replicating modules





educational and historical purposes. You should not rely solely on this information.

'Real' Fibre Serving Areas - Sydney



Constru

The information on this page/document may no longer be current and is provided for educational and historical purposes. **You should not rely solely on this information.**

structured, static model that implicitly assumes discrete deliverables with defined start and end dates



Traditional Construction Approach

Strategy

/

Plan

Design

Build

Operate

Maintain, Service

Define what needs to be done – what asset needs to be built Develop a plan to deliver the asset

Draw up the detailed design

Commission the asset build

Operate the asset

Maintain / service the asset



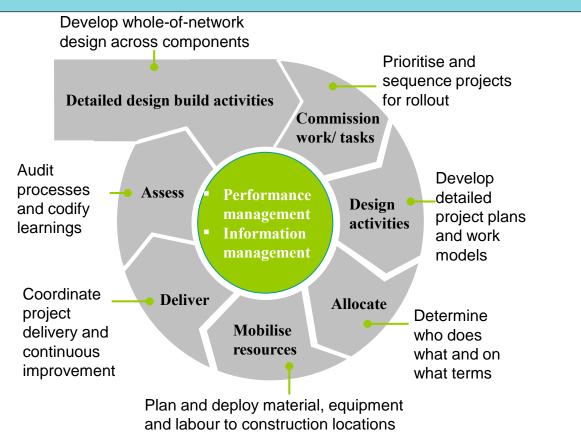
NBN Co is different

- The NBN Co roll-out will involve multiple projects of a like nature over a substantial period of time
- · There is significant scope to leverage learnings and drive improvements as we go
- We have a unique opportunity to evolve / define construction delivery characteristics

The nature of the project provides a unique opportunity for an innovative construction approach



NBN Co Continuous Improvement Construction Approach



Continuous improvement will allow us to realise quality, cost and operational efficiencies within a safe workplace environment

Consumer and Business Wholesale Products



Consumer Products

Asymmetric speeds

Consumer grade

Mass roll out

Business-grade Products

SOHO & SME

(single site)

Top-end SME (multi site)

Enterprise (Large/branch n/w)

Guaranteed reliable bandwidth

Symmetric, higher speeds

Available across entire NBN footprint

High availability

Business-grade Ethernet features

Better response and restoration timeframes