

CEDA 2010 ICT Review

Mike Quigley
CEO NBN Co

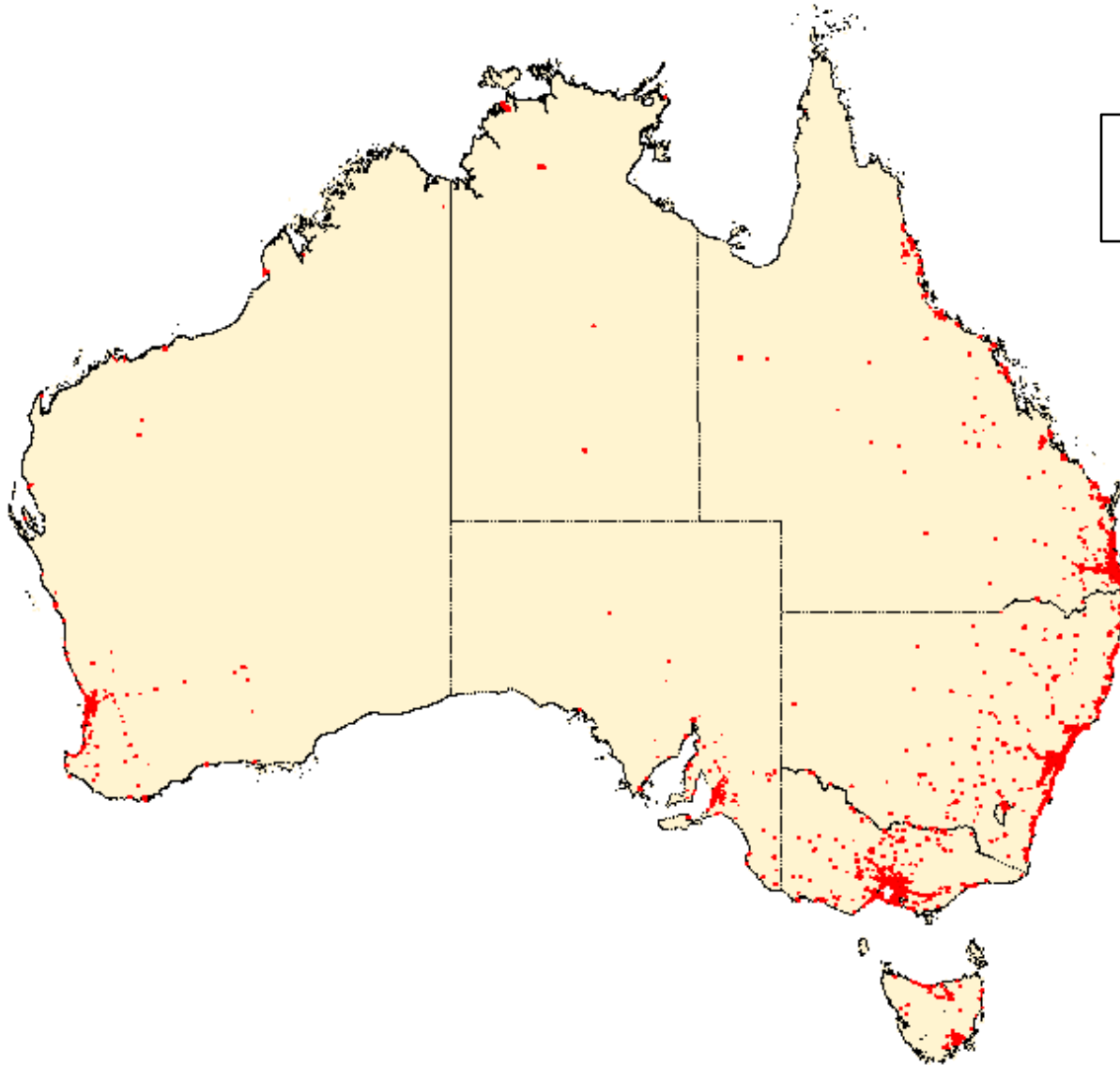
9 July 2010

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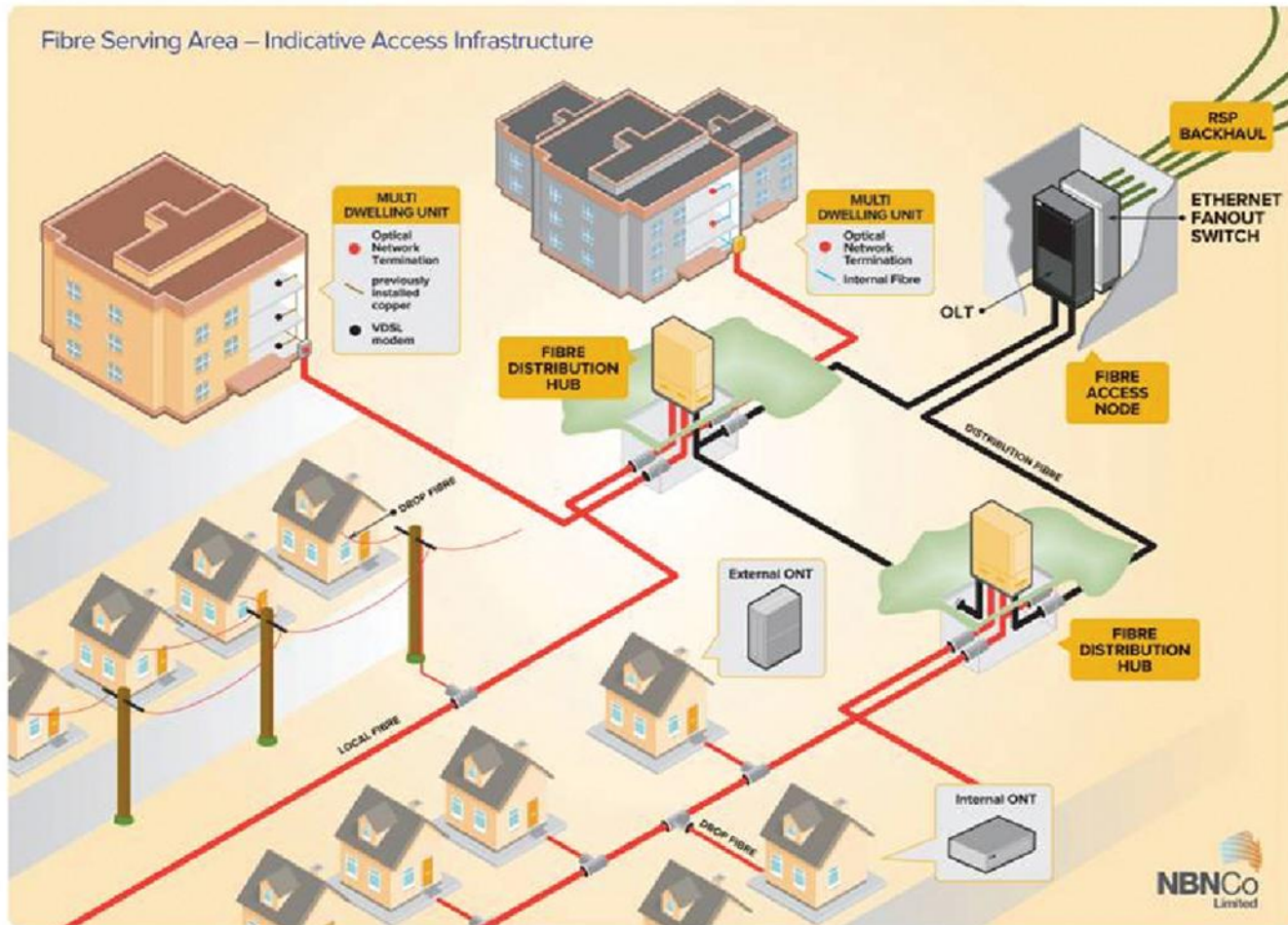
Australia – At least 90% Fibre Coverage



● Fibre Serving Area



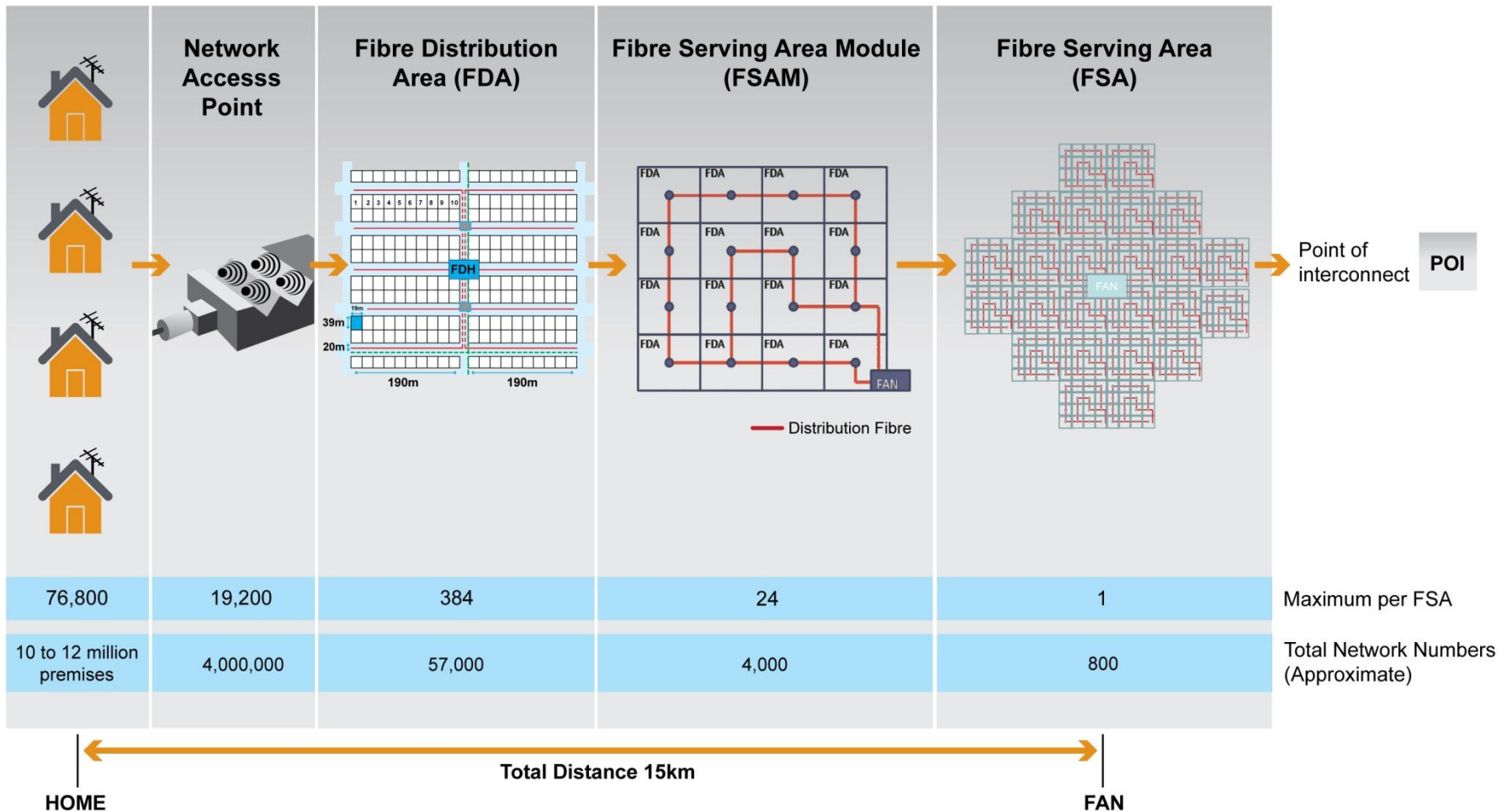
Physical Infrastructure Representation



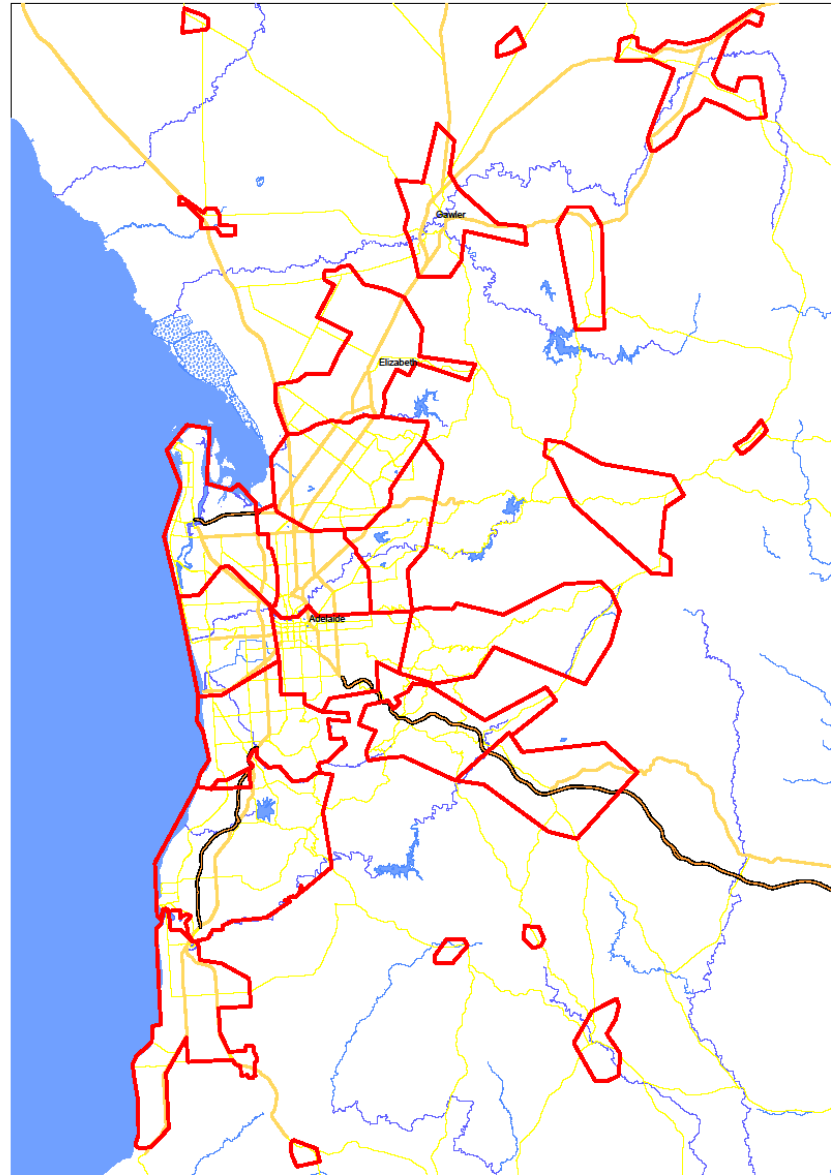
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Network dimensions – replicating modules



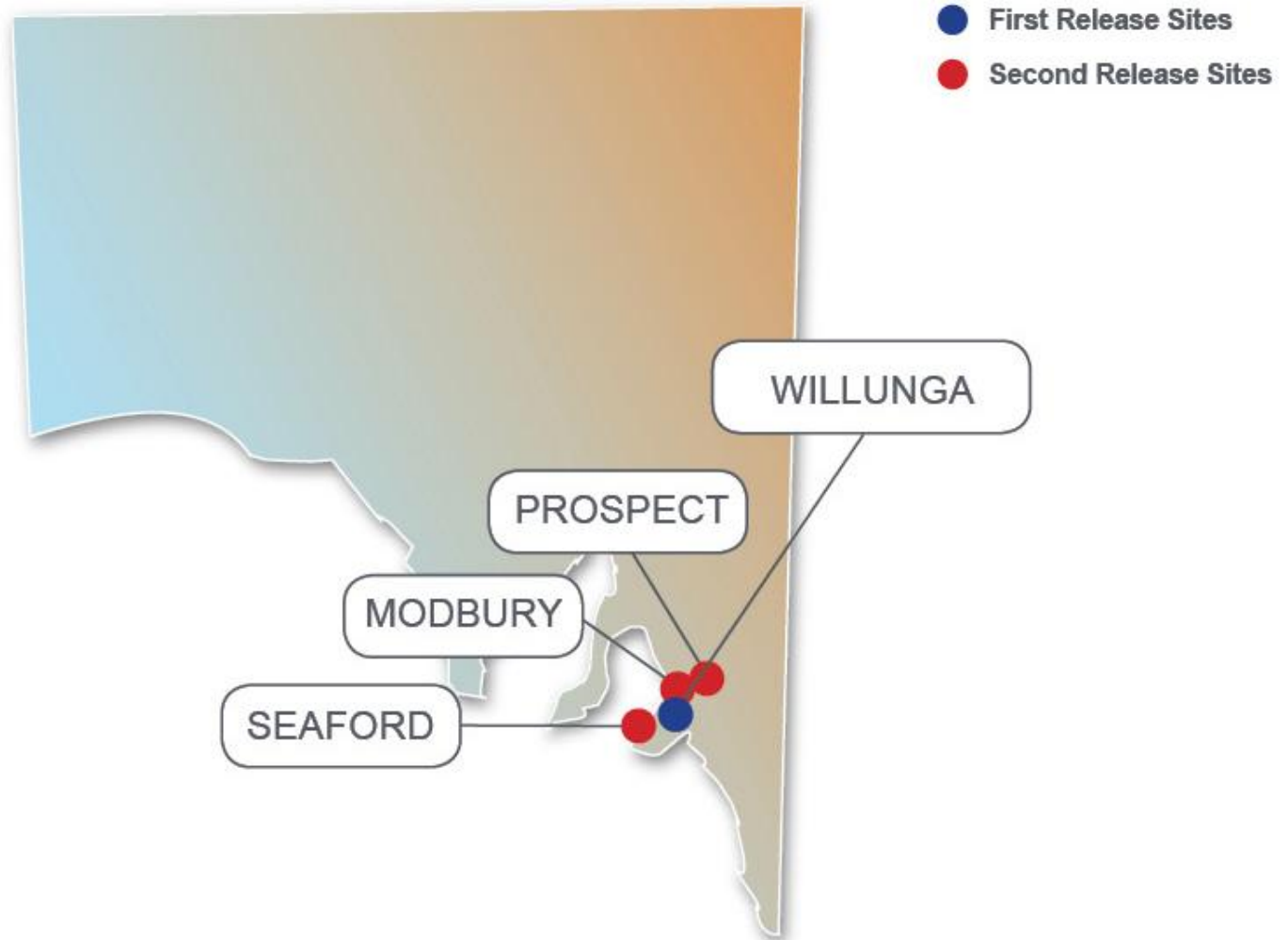
'Real' Fibre Serving Areas - Adelaide



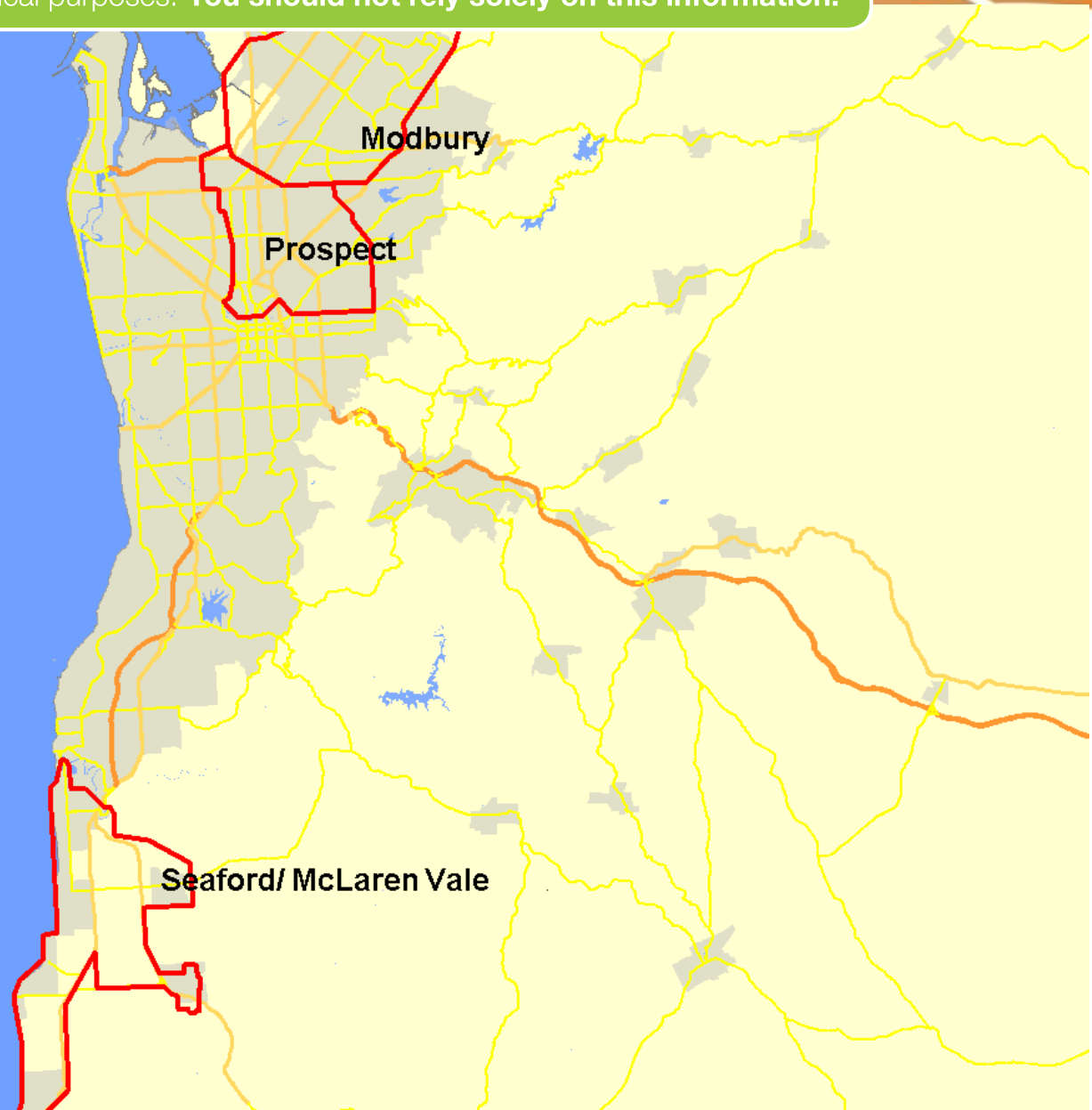
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First and Second Release Sites South Australia

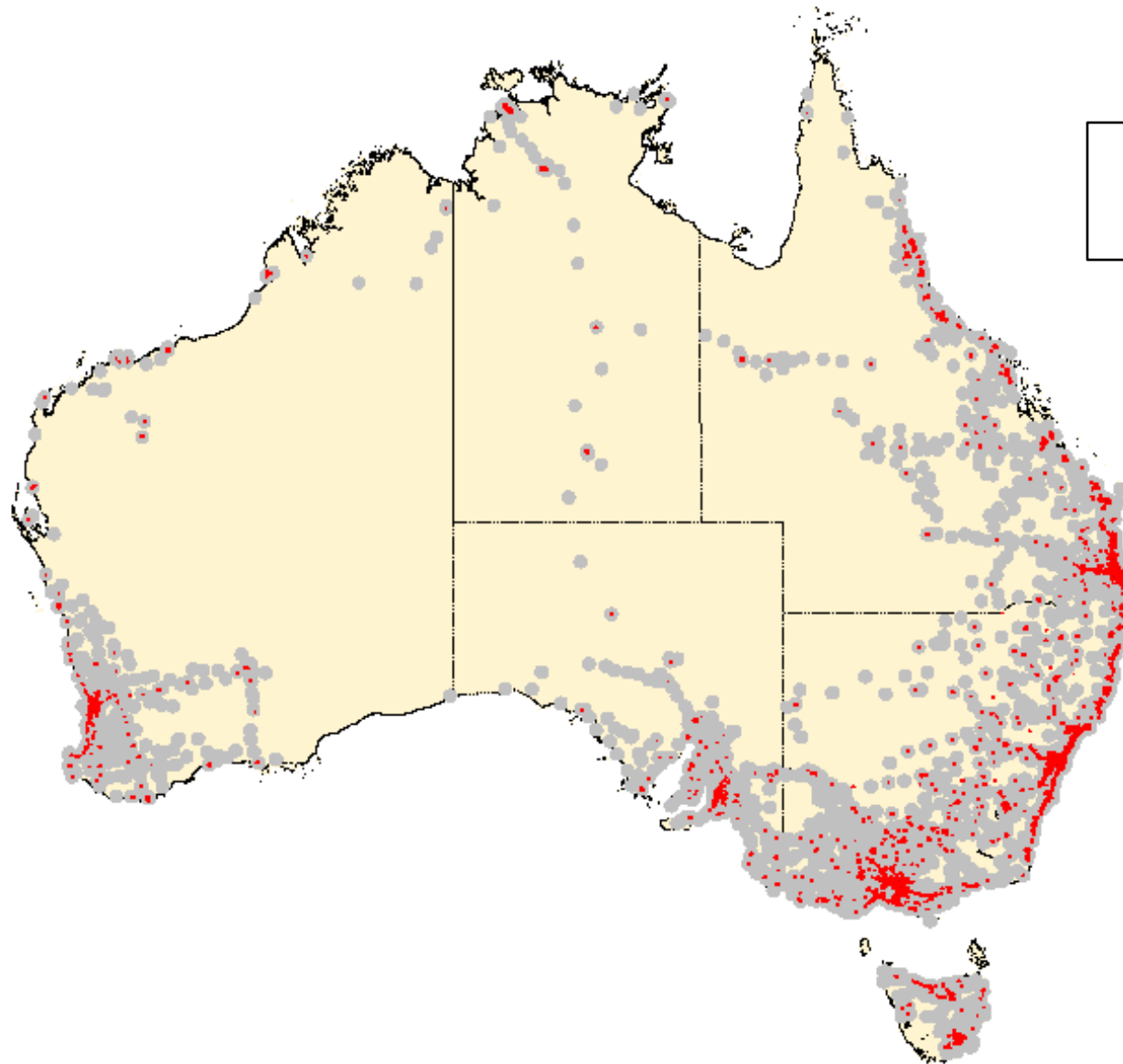


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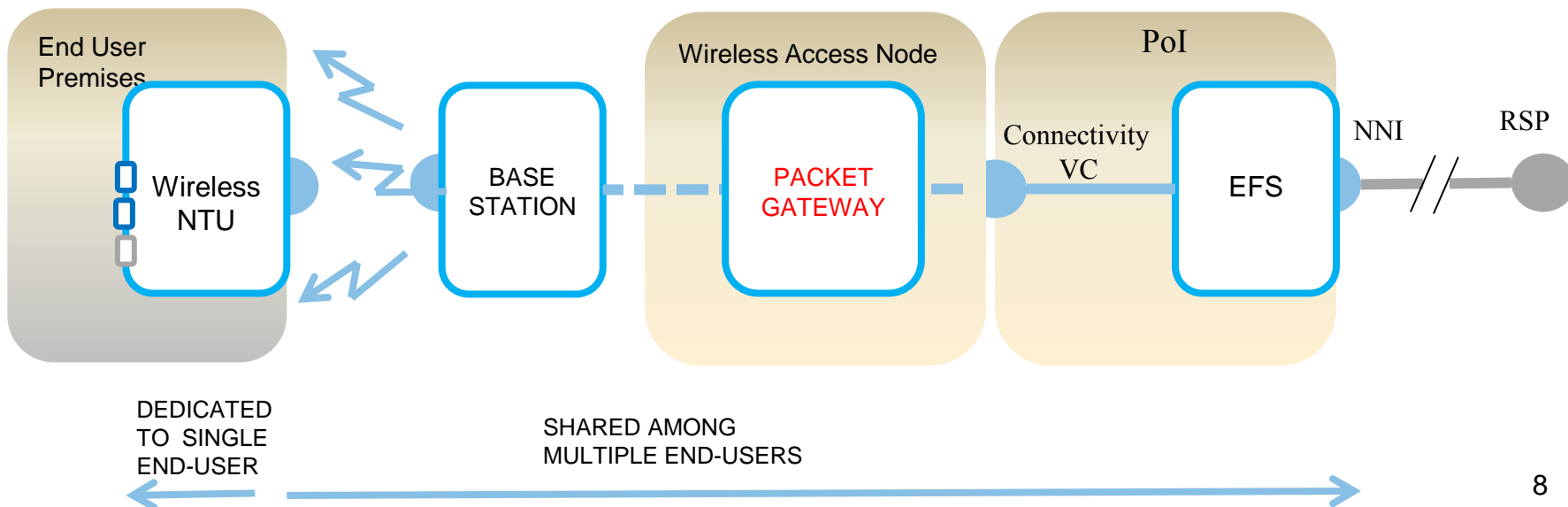
Australia – wireless coverage



- Fibre Serving Area
- Wireless coverage

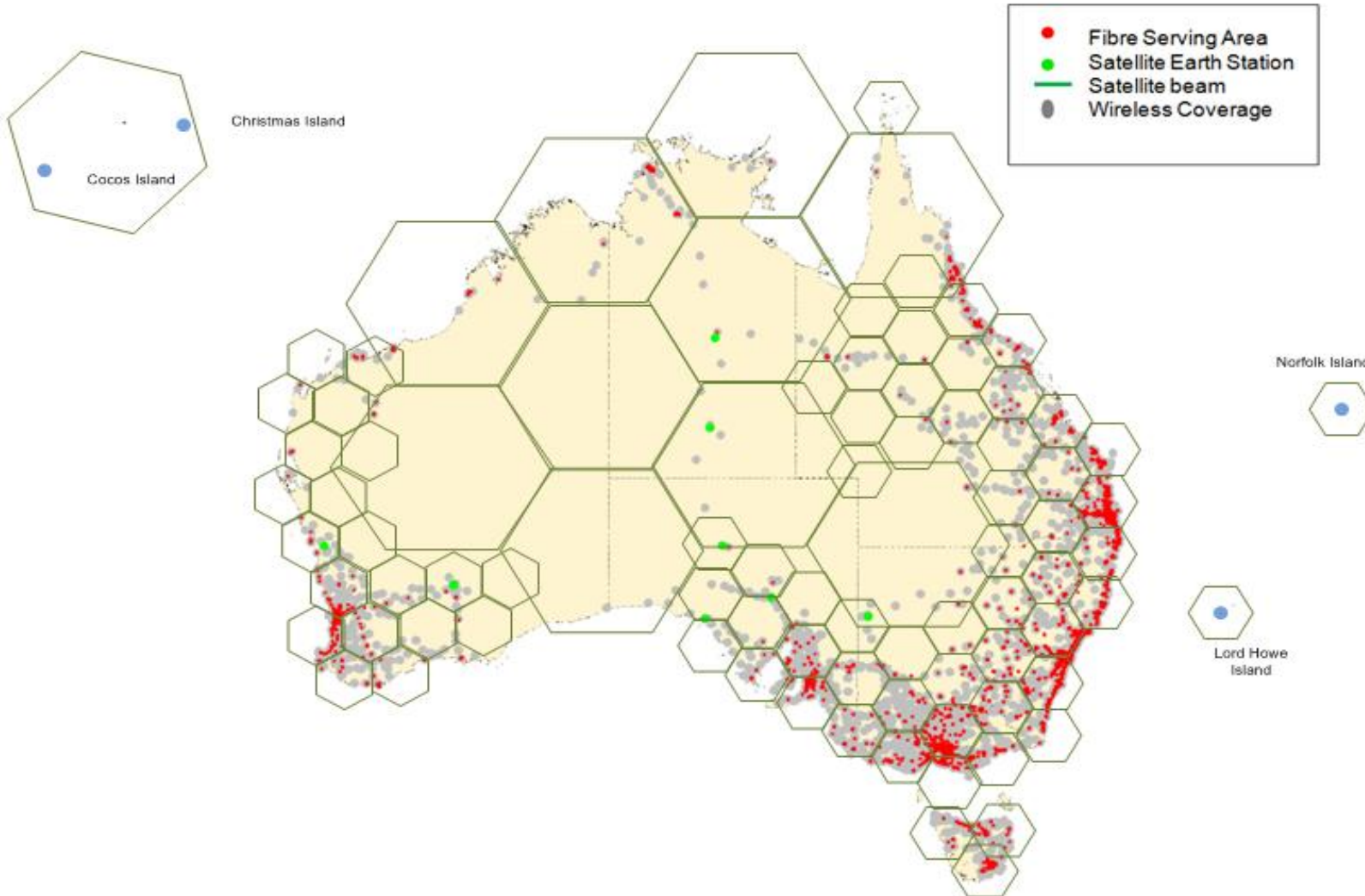
NBN Co Wireless Access Delivery

- Similar approach to Fibre Access Service
 - L2 connection for RSPs at PoI
 - Connectivity Link from NNI to Packet Gateway
 - Access Link to from Packet Gateway to NTU
 - Fibre and Microwave from Packet gateway to BS
- CPE likely to comprise outdoor antenna and indoor NTU
- 2-4 Ethernet ports + VoIP IAD typically available

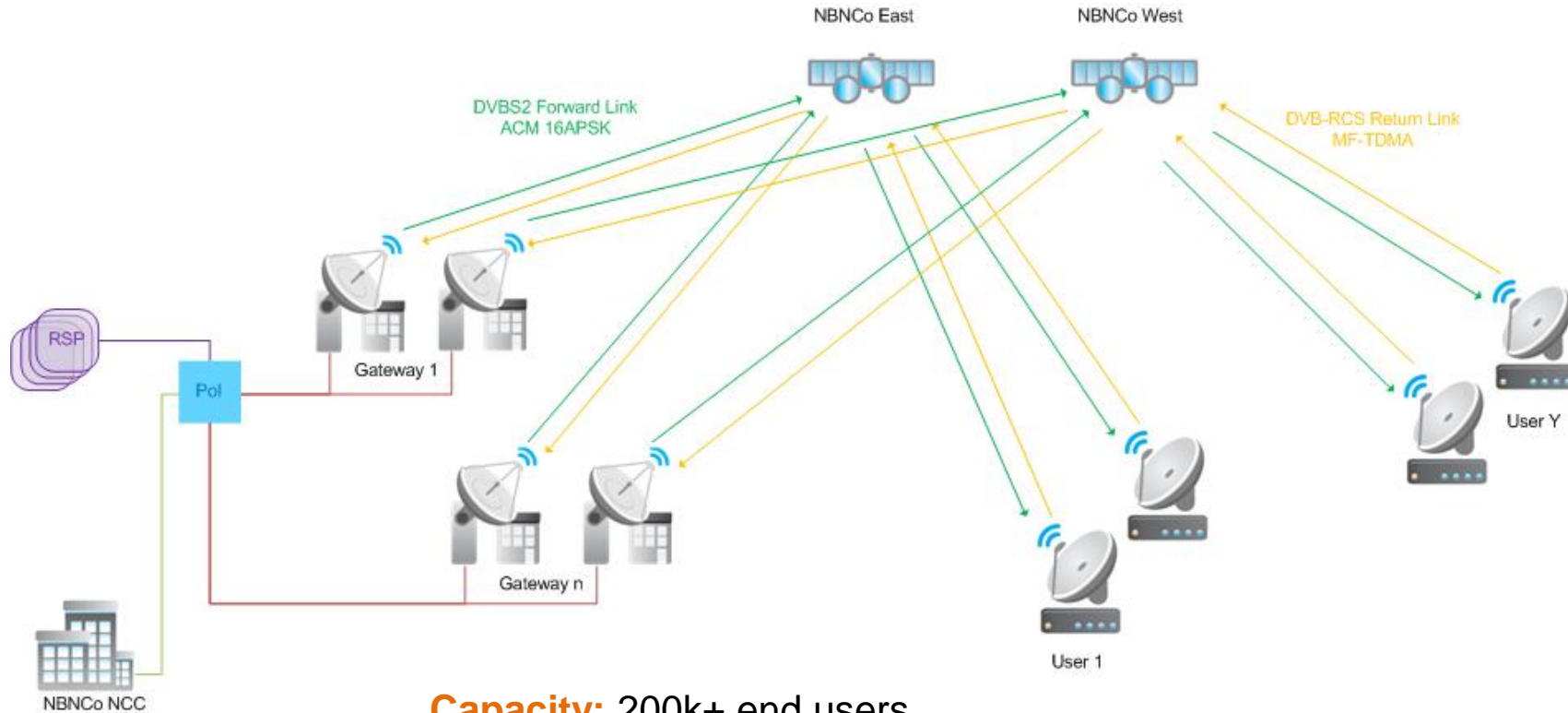


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Fibre network + wireless + satellite



NBNCo Satellite Network



Capacity: 200k+ end users

Speed: 12 Mbit / 1(2) Mbit

Frequency: 30 GHz / 20 GHz

Spectrum use: 1.5+ GHz with four frequency reuse scheme

Gateways: Aprox.10

Antennas: Two Per Gateway (minimum)

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NBN – new applications for business



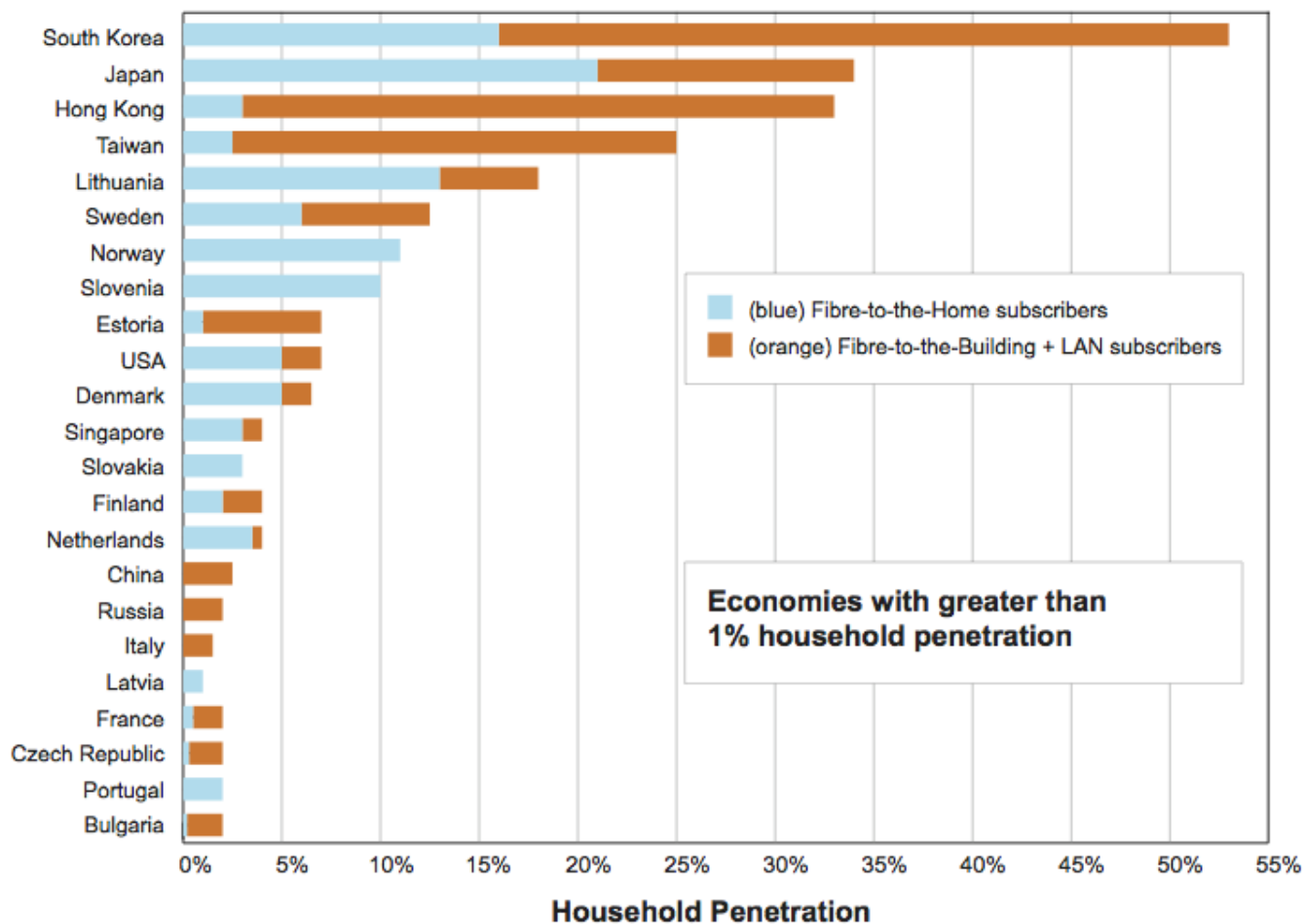
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NBN – new health applications



Fibre penetration in key economies

Economies with the Highest Penetration of Fibre-to-the-Home / Building + LAN





NBNCo Limited