



NBN Conference

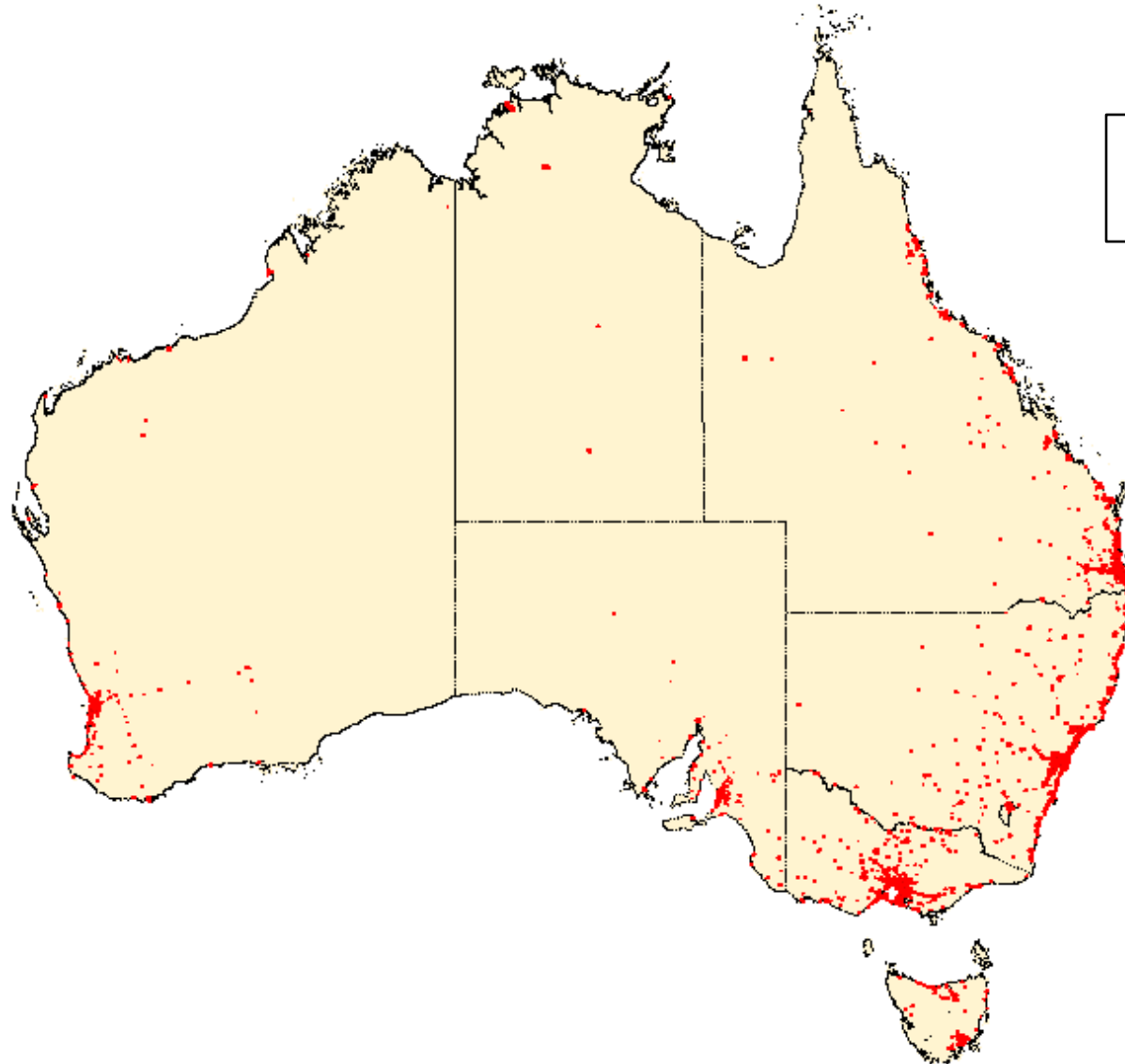
CeBIT Australia

Mike Quigley
CEO NBN Co

24 May 2010

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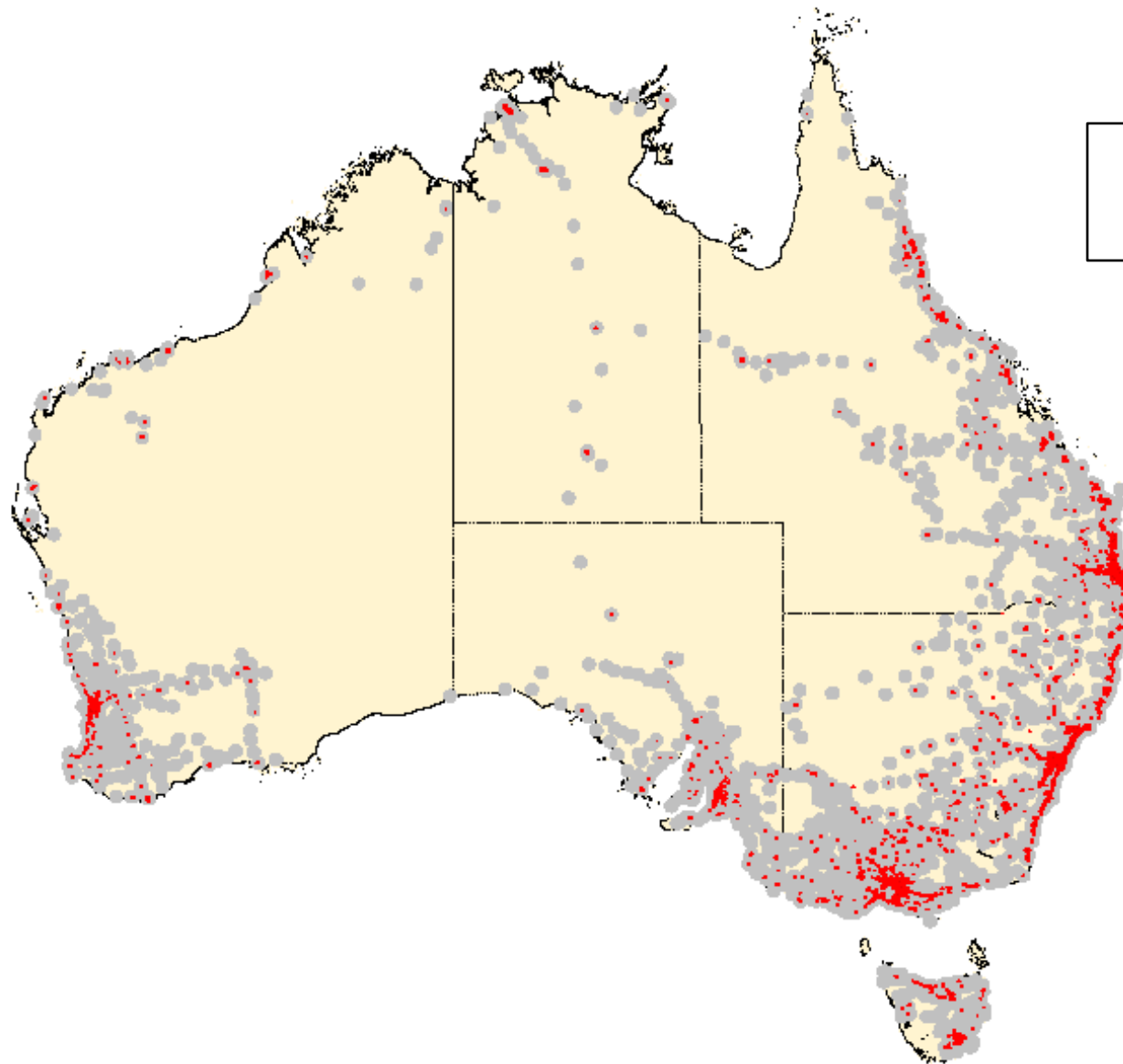
Australia – At least 90% Fibre Coverage



● Fibre Serving Area

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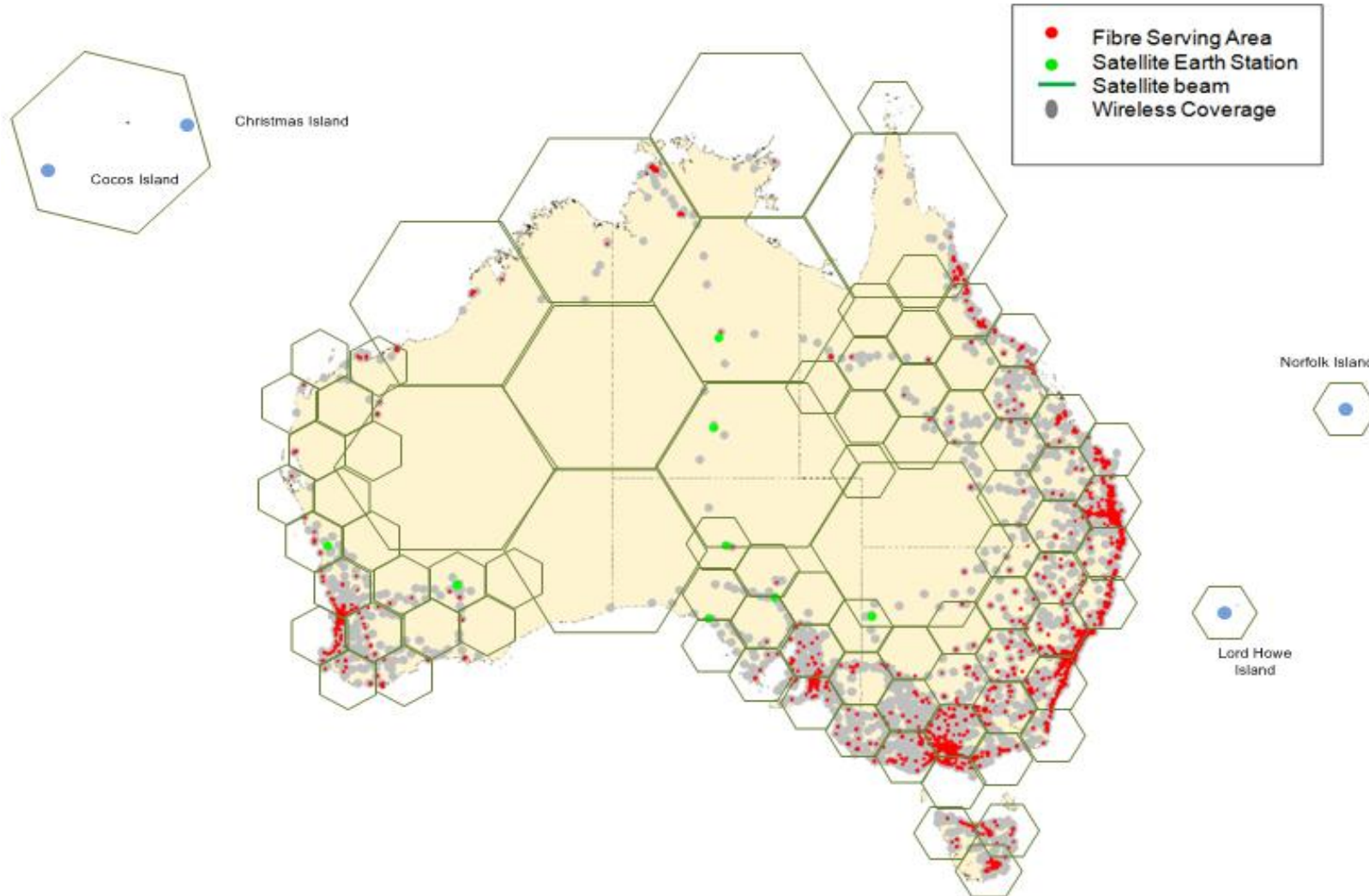
Australia – wireless coverage



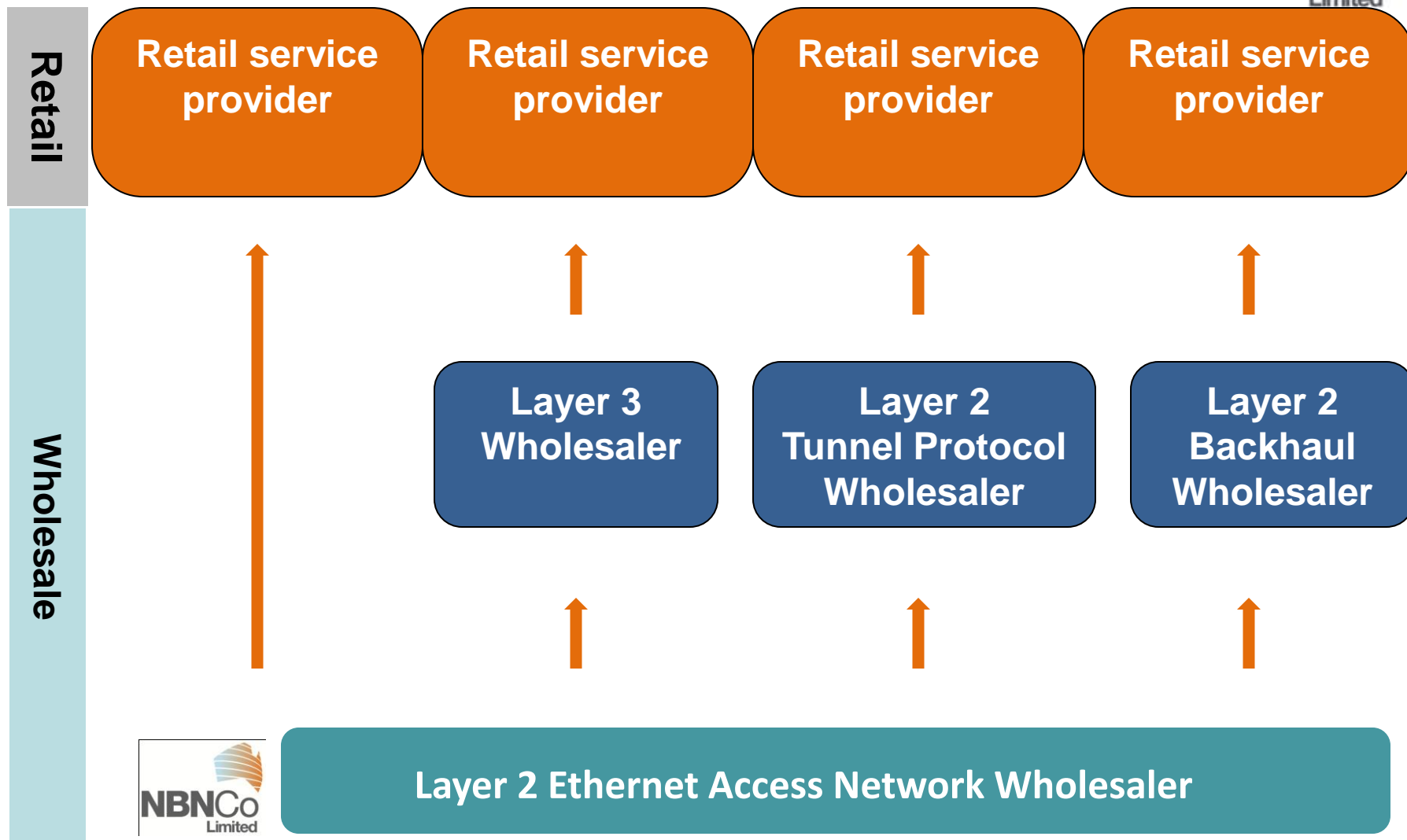
●	Fibre Serving Area
●	Wireless coverage

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Fibre network + wireless + satellite

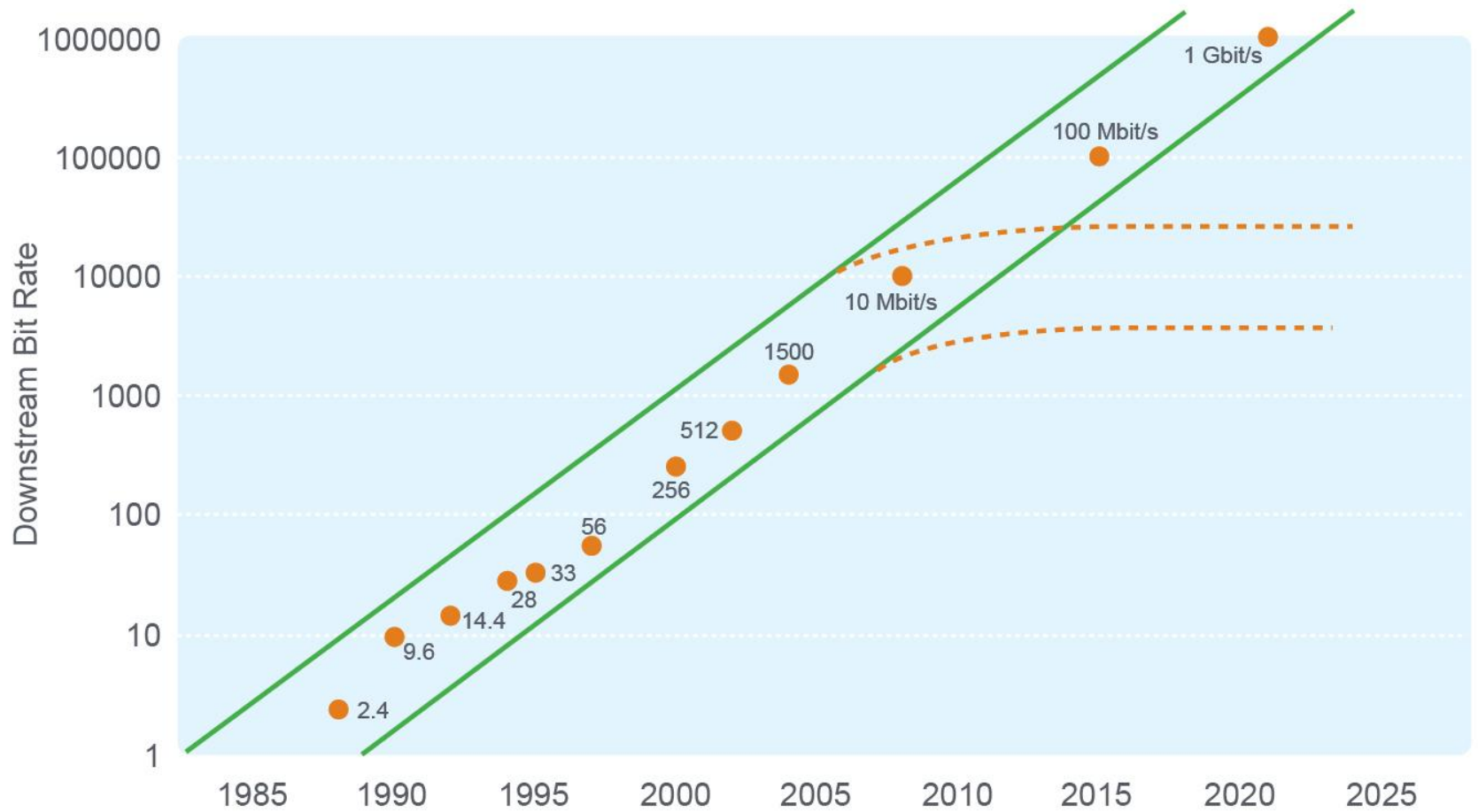


A Diversity of Wholesale and Retail Business Models



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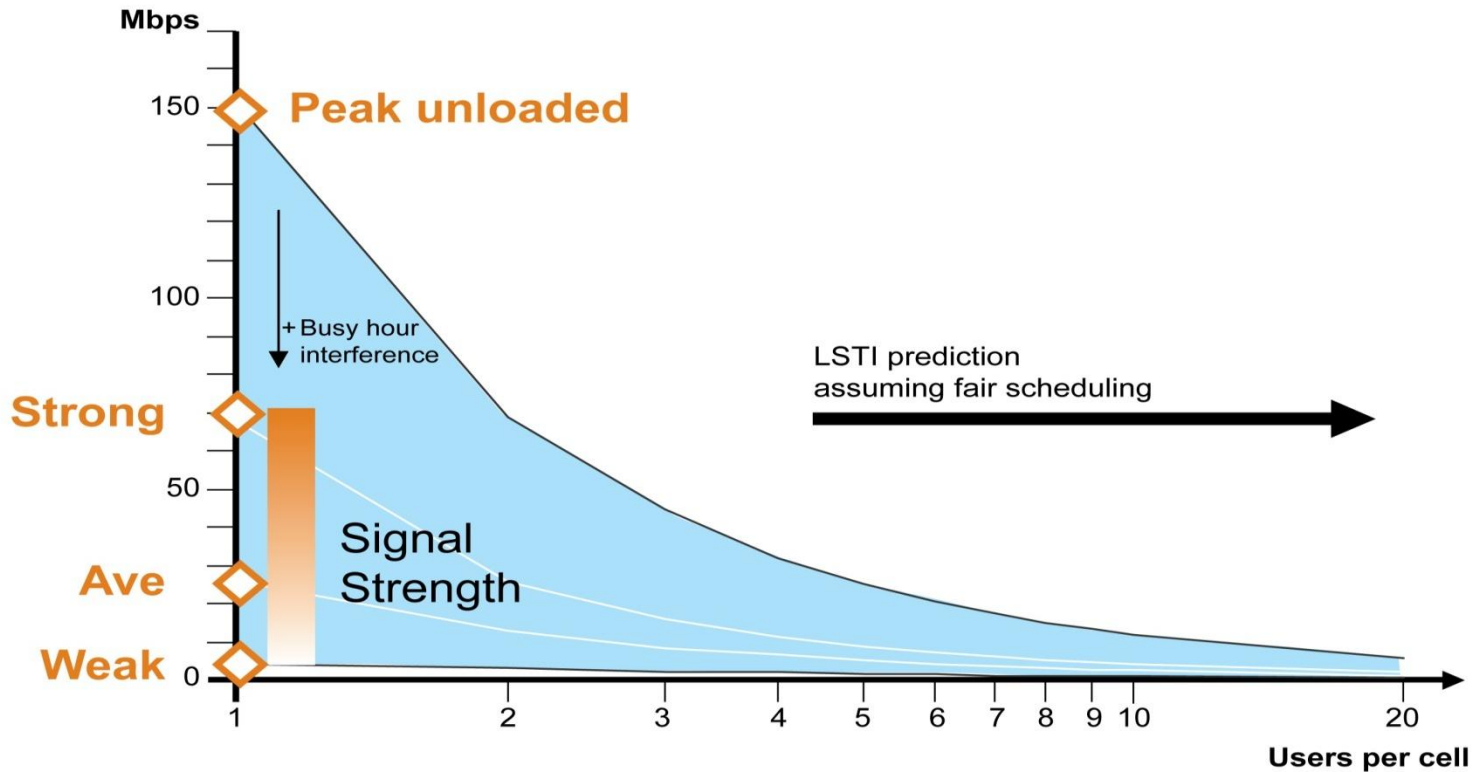
Fixed Bandwidth Demand



Latest LTE/SAE trials show significant differences between peak rates and end-user throughput



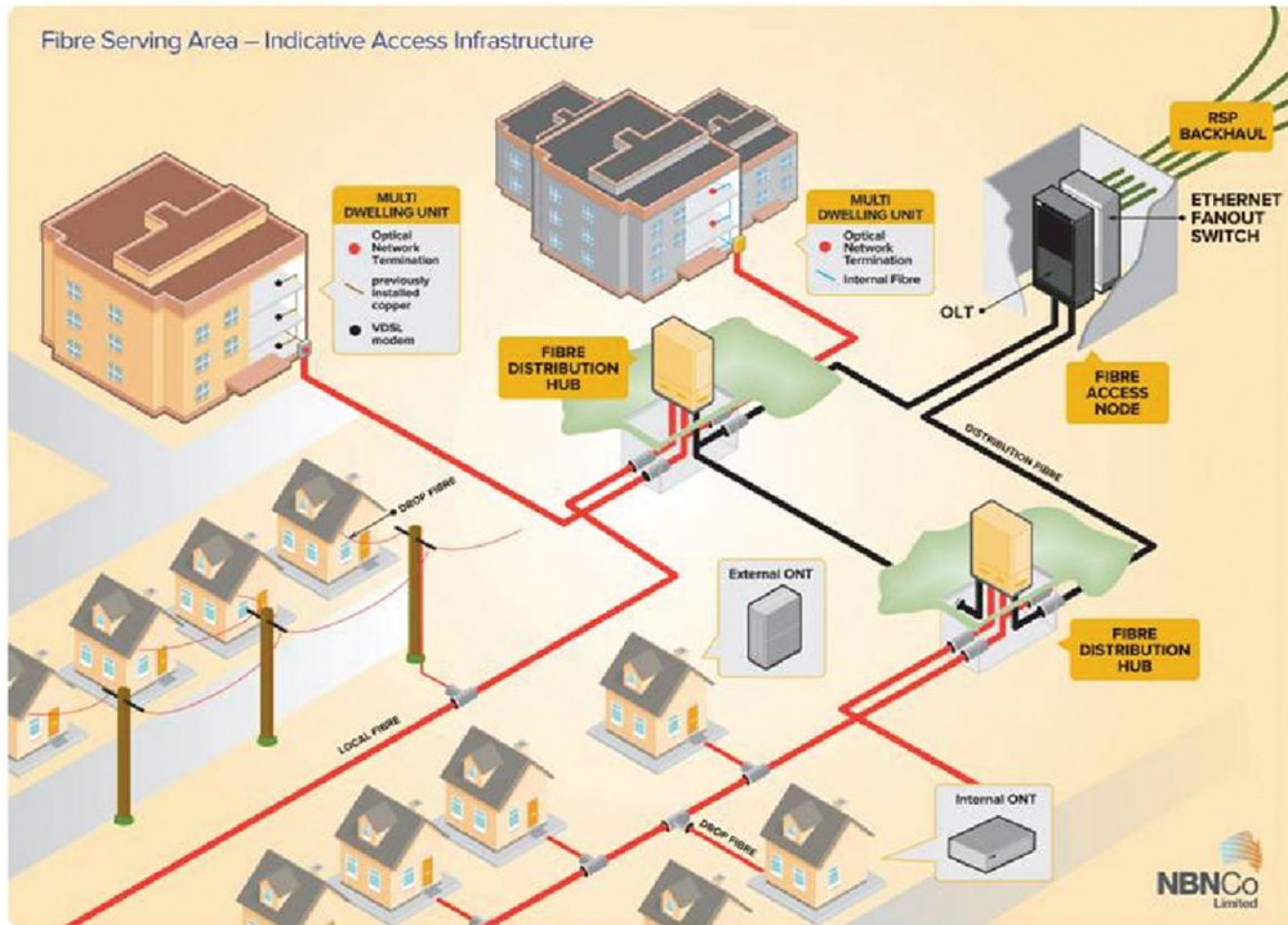
LTE proof of concept peak rates



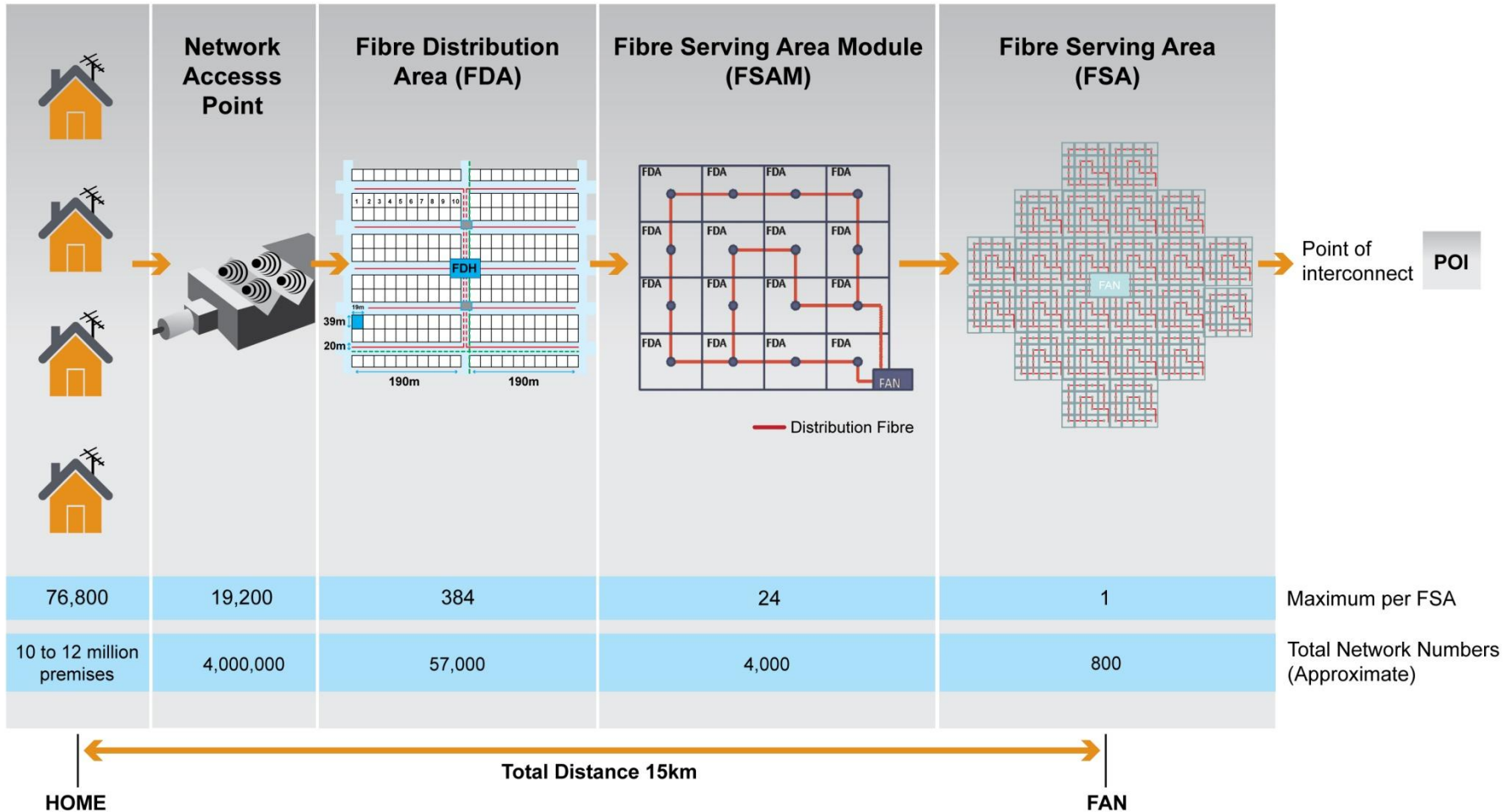
Notes: 2x20MHz, 2x2 MIMO
Source: LTE/SAE Trial Initiative (Oct 2009)

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Physical Infrastructure Representation



Network dimensions – replicating modules



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'Real' Fibre Serving Areas - Sydney



RSPs better support end user applications

Consumer

– Asymmetrical



High-speed internet

- bursty



IPTV

- streaming
- constant
(committed rates)



VOIP

- constant
(committed rates)

Business

– Symmetrical

– Business critical connection

– Service level guarantee



Backup of data



Software-as-a-Service



High-definition voice
and video conferencing



Online collaboration
with remote workers

Industry – eg health

– Symmetrical

– Business critical connection

– Service level guarantee

– Ubiquitous



Online consultations
eprescribability



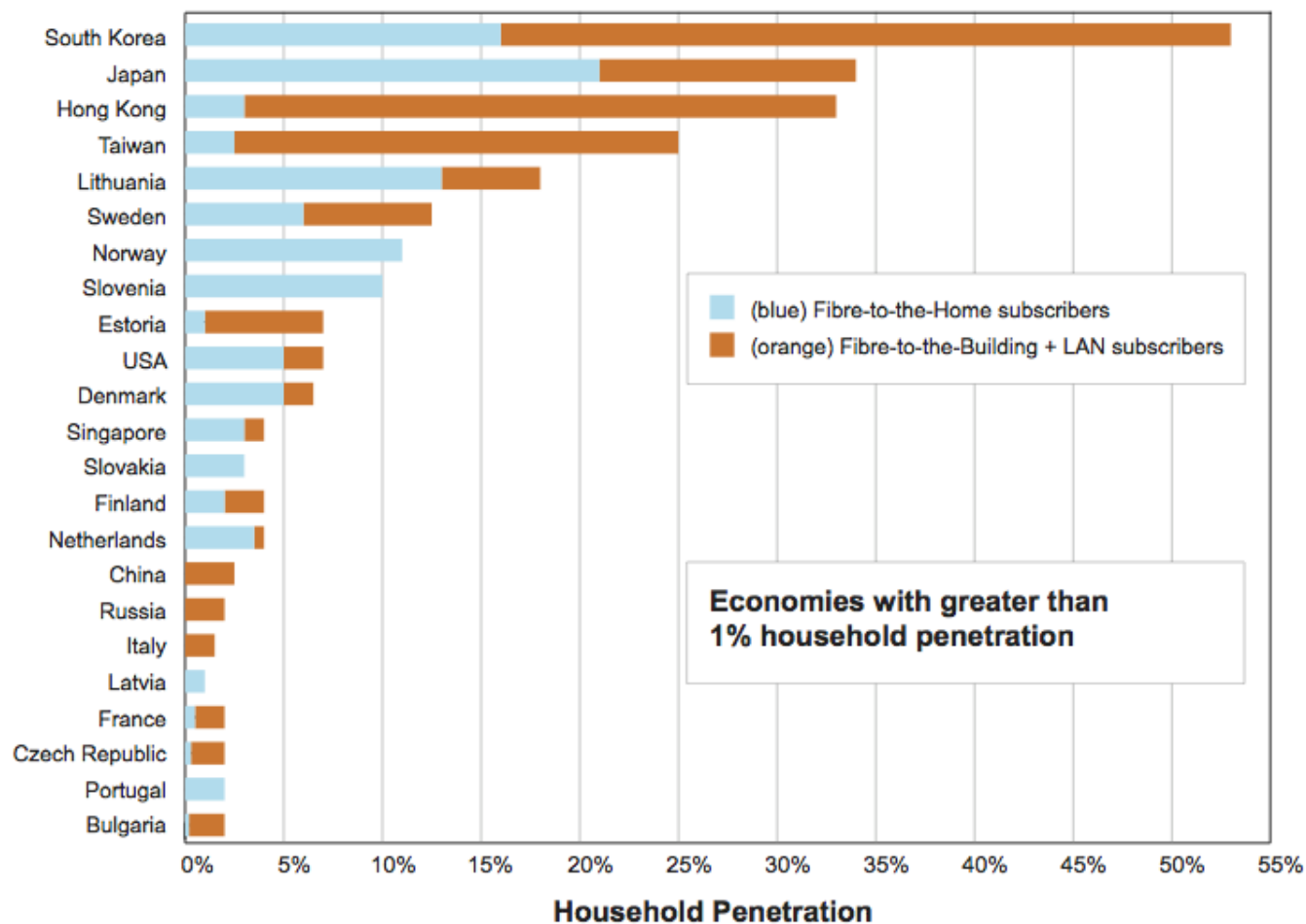
Remote diagnosis of
electronic medical images



In-home monitoring of
elderly-chronic disease
sufferers

Fibre penetration in key economies

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



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