

 [Print this page](#)**Miscellaneous**

* Asterisks denote mandatory information


Name of Announcer *	SINGTEL
Company Registration No.	199201624D
Announcement submitted on behalf of	SINGTEL
Announcement is submitted with respect to *	SINGTEL
Announcement is submitted by *	Chan Su Shan (Ms)
Designation *	Company Secretary
Date & Time of Broadcast	20-May-2013 07:48:26
Announcement No.	00014

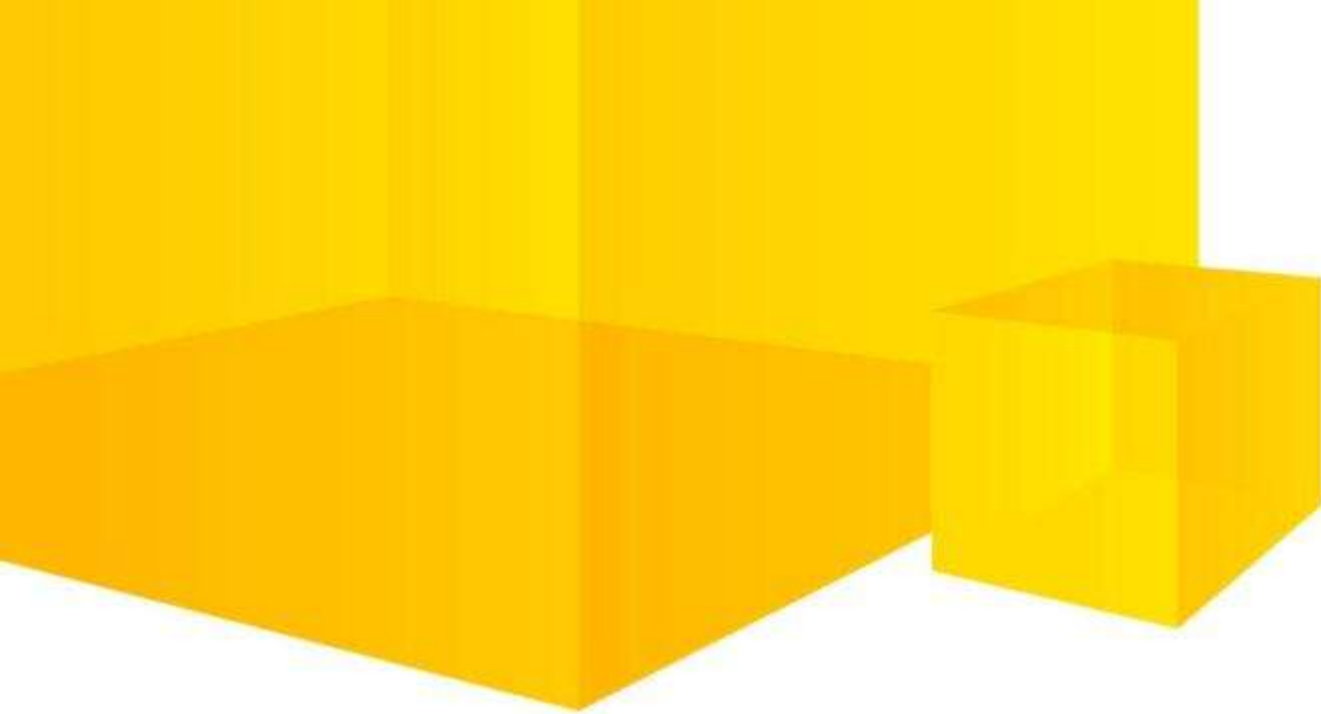
>> Announcement Details

The details of the announcement start here ...

Announcement Title * Presentation by Optus on The Optus Network Today, Tomorrow and Beyond

Description

Attachments [NetworkUpdate-presentation-May2013.pdf](#)
Total size = **1657K**
(2048K size limit recommended)[Close Window](#)



The Optus Network Today, Tomorrow and Beyond

May 20th 2013

Guenter Ottendorfer, Managing Director of Networks

Andrew Smith, Vice President – Mobile Radio Engineering





Agenda

The Optus Network:



Today



Tomorrow



Beyond



The Optus Network today



Enhanced 3G coverage from coast to coast with upgrades to over 4,000 sites across the country.



Expanded our 4G network in Sydney, Melbourne, Perth, Brisbane, Adelaide, the Gold Coast, Sunshine Coast, Coffs Harbour, Byron Bay, Toowoomba, and the Newcastle/Hunter regions.



Acquired Vivid Wireless positioning us to offer the highest capacity 4G network in Australia.

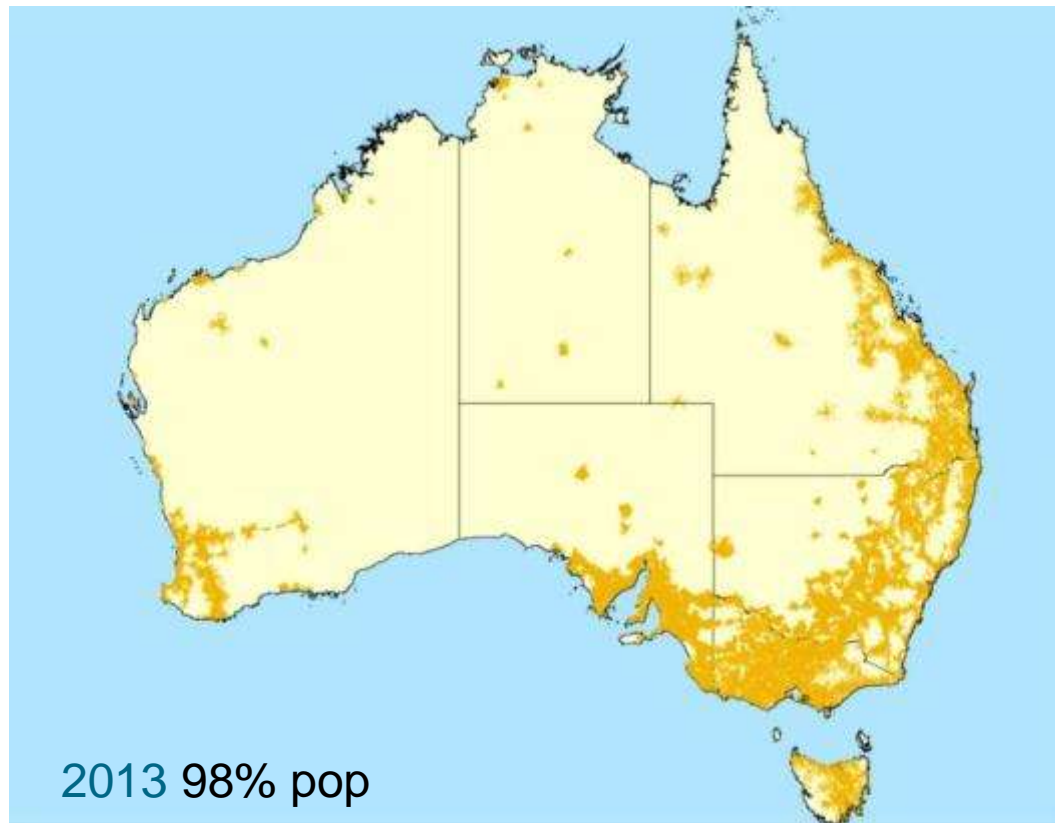


Led the project that delivered coverage in hard to reach places like our Sydney City Rail Tunnels project.





We enhanced 3G coverage from coast to coast



Like for Like: 98.5%



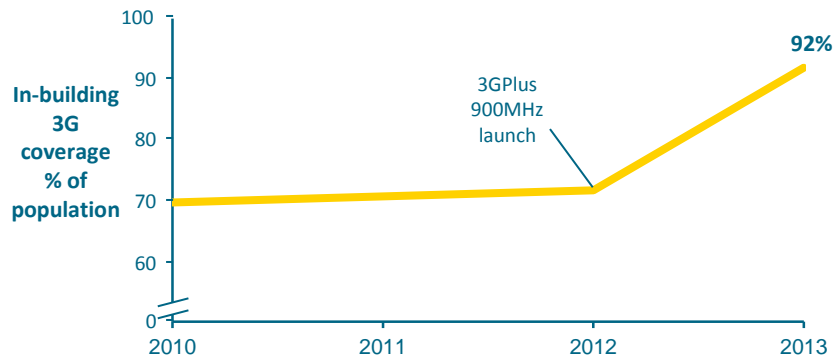


We're nearing the finish line on 3GPlus

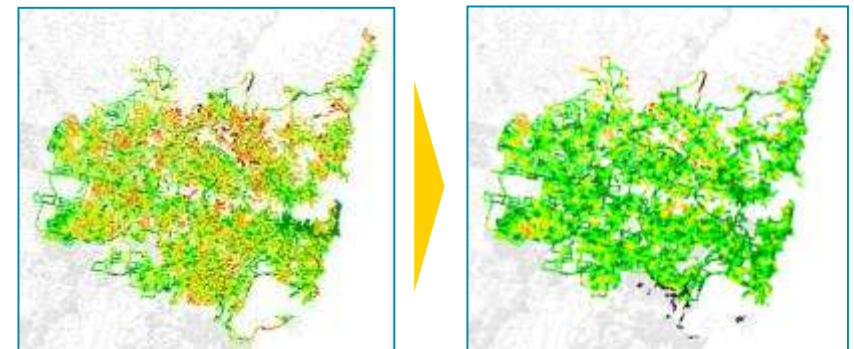
Our 3GPlus program in FY12 delivered a significant lift in coverage and data performance. Customers have benefited from:

1. Increased depth of 3G coverage
2. More time connected to 3G
3. Better calling, browsing and streaming

3GPlus - more signal in more places



3G coverage depth in Sydney – pre vs. post 3GPlus

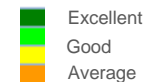


Before

After

Source : Sydney –
pre/post U900
Drives Aug12

Signal





Today

Optus had an incredible 4G race last year

Optus announces
4G
September 2011

Newcastle/
Hunter region
April 2012

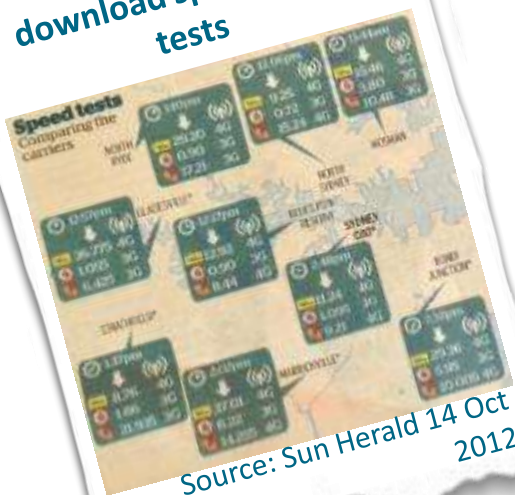
Sydney & Perth
July 2012

Melbourne
Sept 2012

Brisbane CBD
Dec 2012

Adelaide CBD
Dec 2012

Optus shows fastest
download speed in 4G
tests



Source: Sun Herald 14 Oct
2012

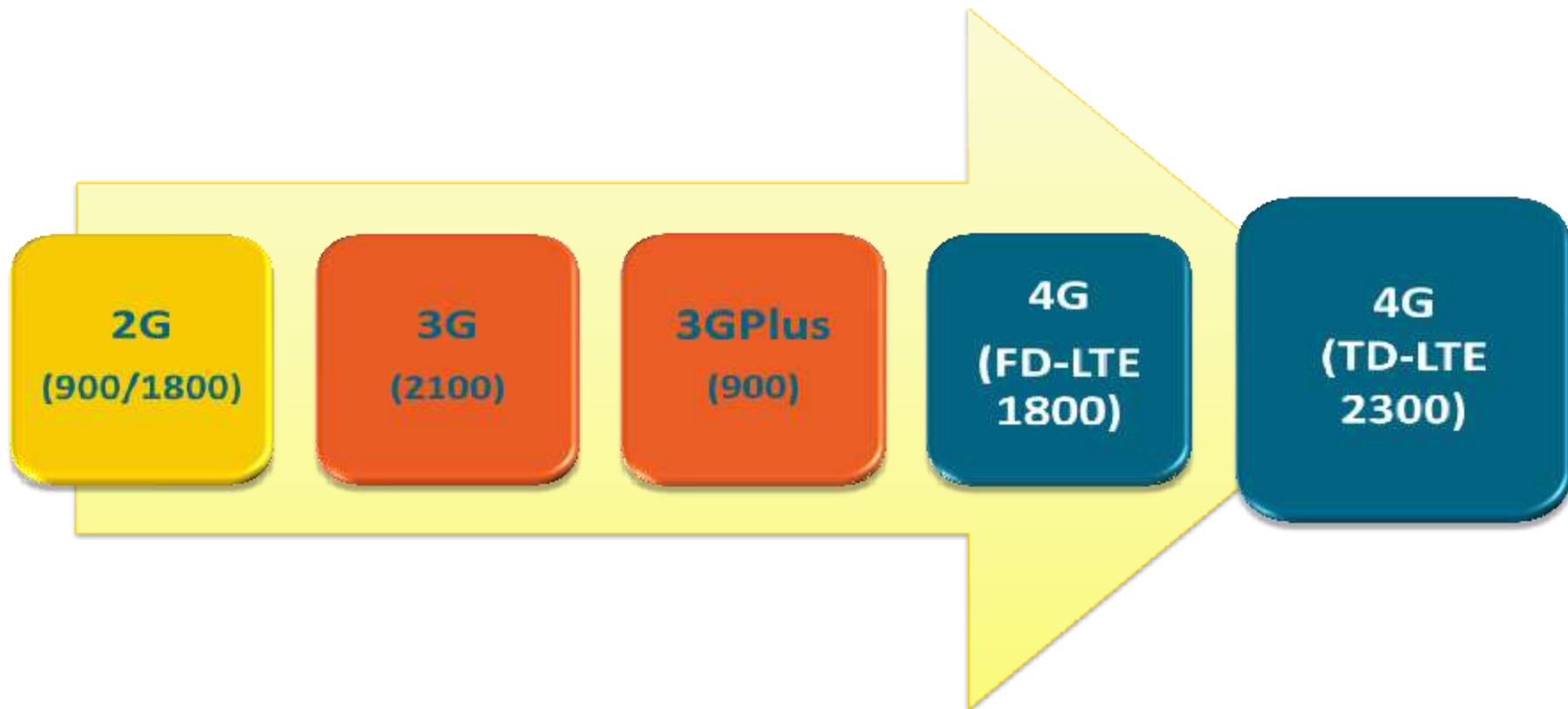


Nov 12
Quad Core
Android Handsets
Better Battery Life





The Optus Network tomorrow





Our network investment is about building a network where and when customers want it

- We are listening to our customers and building a network to respond to their needs.
- The top three drivers of a great network experience for our customers are:



Coverage in the home



Coverage when on-the-go



Data speeds to meet their needs

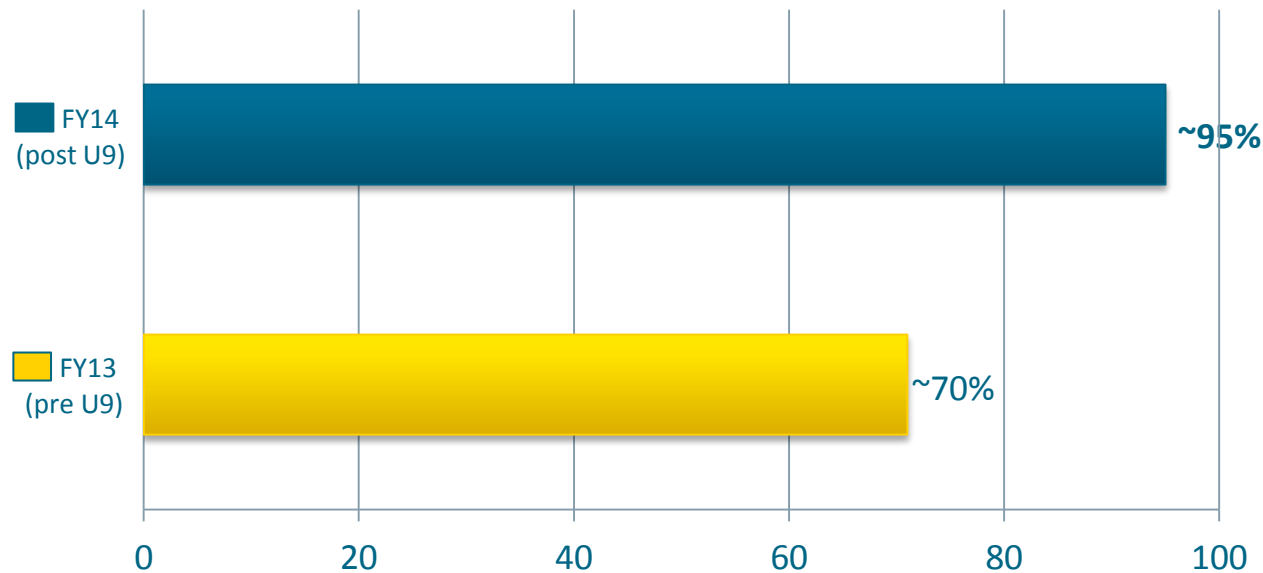




Better coverage in the home

- We're continuing rollout by activating over 1,000 3GPlus sites across the country over the next 24 months.
- We're delivering our 3GPlus program to Adelaide, Central Coast, Wollongong and Canberra.

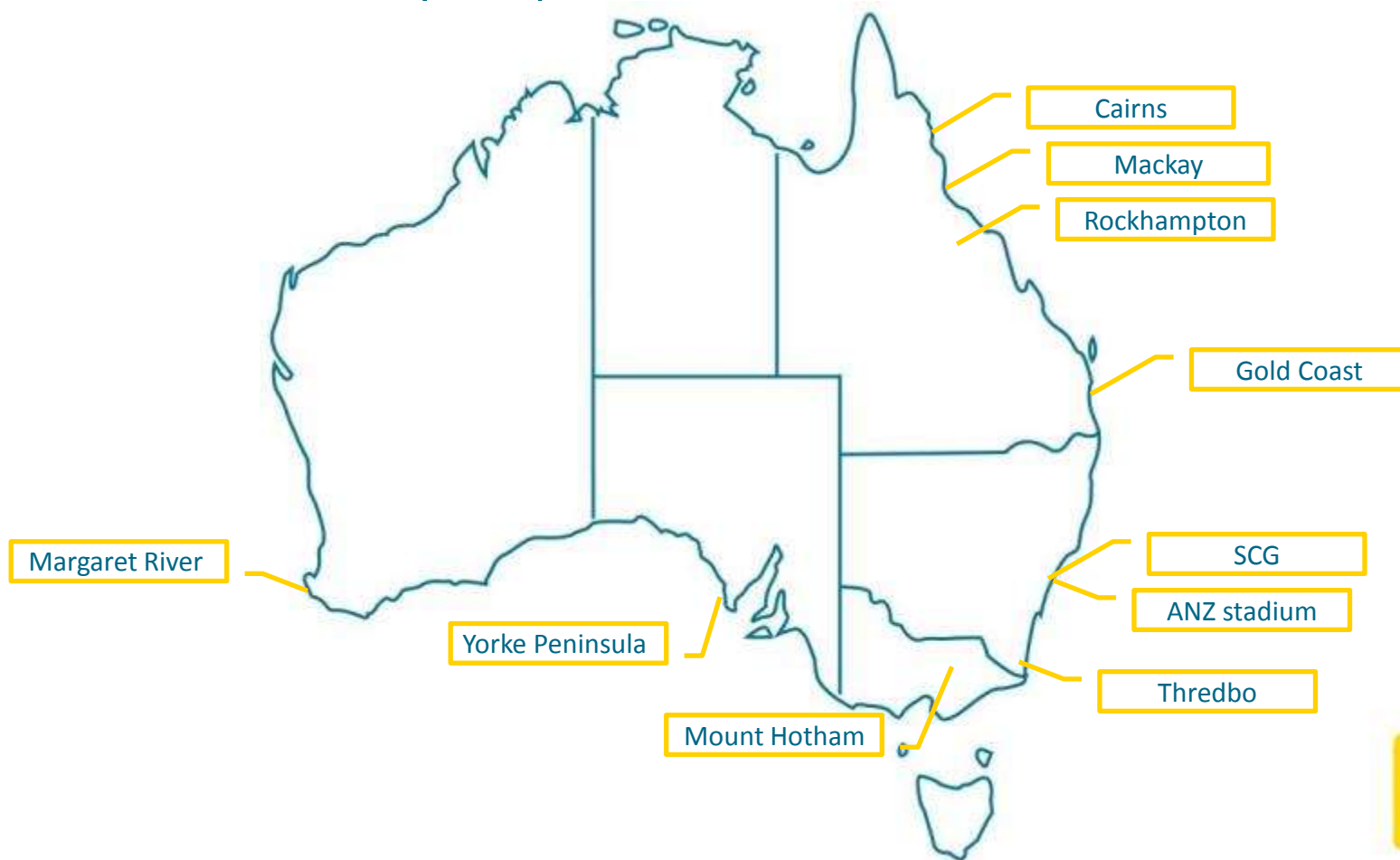
In-Building Coverage Metro post 3GPlus upgrades (across Adelaide, Central Coast, Wollongong, Canberra)





Better coverage on-the-go

- Over the next 24 months, we'll invest in our network by improving mobile coverage in areas where customers frequent, such as sports and music venues and holiday hotspots.

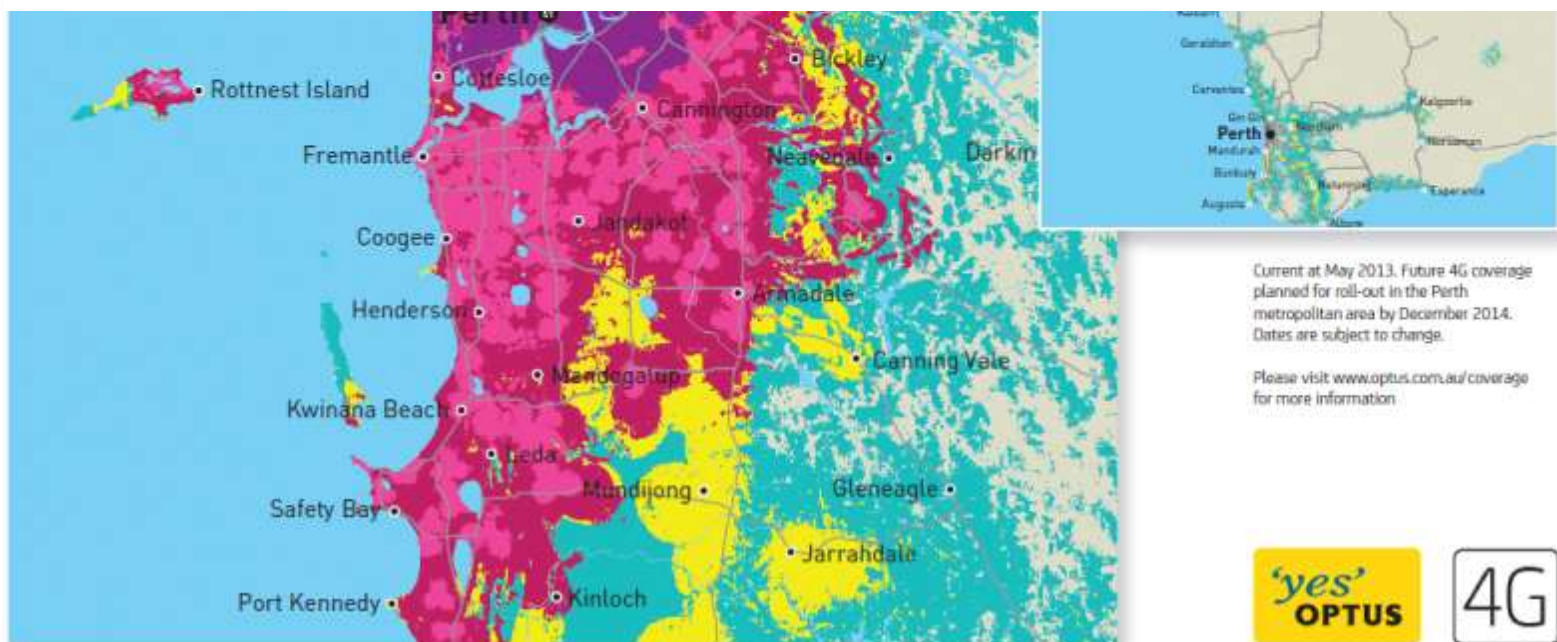




Data speeds to meet your needs



- We're expanding our 4G rollout around the country.
- Over 70 per cent of the Australian metro population will be able to access our 4G network by mid 2014.



TD-LTE 2300: live in Canberra





Next generation 4G: Canberra TD-LTE 2300 pilot

- In an Australian first, today we're introducing TD-LTE 4G technology on 2300 MHz to Canberra.





Canberra TD-LTE 2300 in action





New 4G mobile broadband devices



- **Optus E3276 v2 Premium Modem** will be available in Canberra in early June
- 4G Single Band and Dual Band network compatible
- 3G HSPA+ compatible

- **Optus E5776 WiFi Modem** will be available in ALL stores/areas in early June
- Supports up to 5 WiFi connections at the one time
- LCD screen
- 4G Single Band and 4G Dual Band network compatible
- 3G HSPA+ compatible





FD-LTE + TD-LTE : Coverage + Capacity

FD – Frequency Division

Dedicated Pipes for Upload & Download

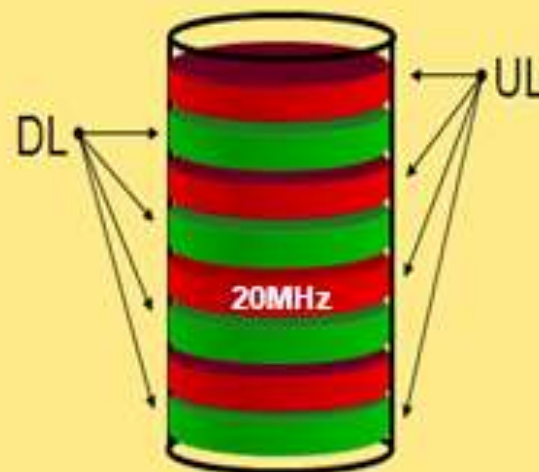


Devices Upload / Download on dedicated but smaller pipes

Paired Spectrum

TD – Time Division

Single Shared Pipe for Upload & Download



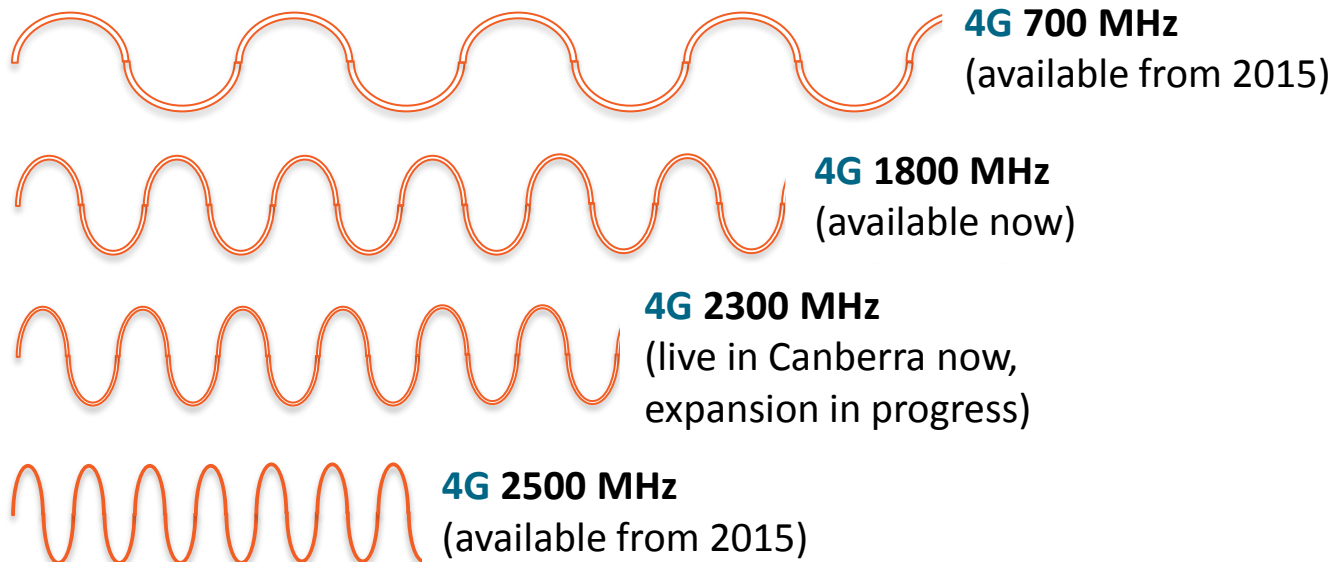
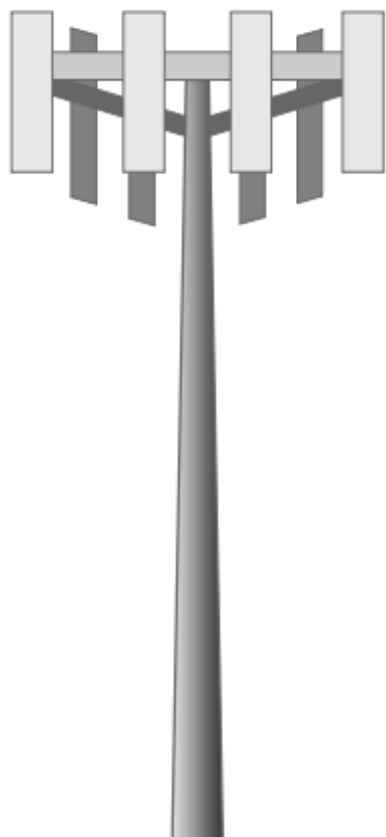
Devices Upload / Download during a fraction of the time using a larger pipe

Unpaired Spectrum



The Optus 4G network beyond 2014

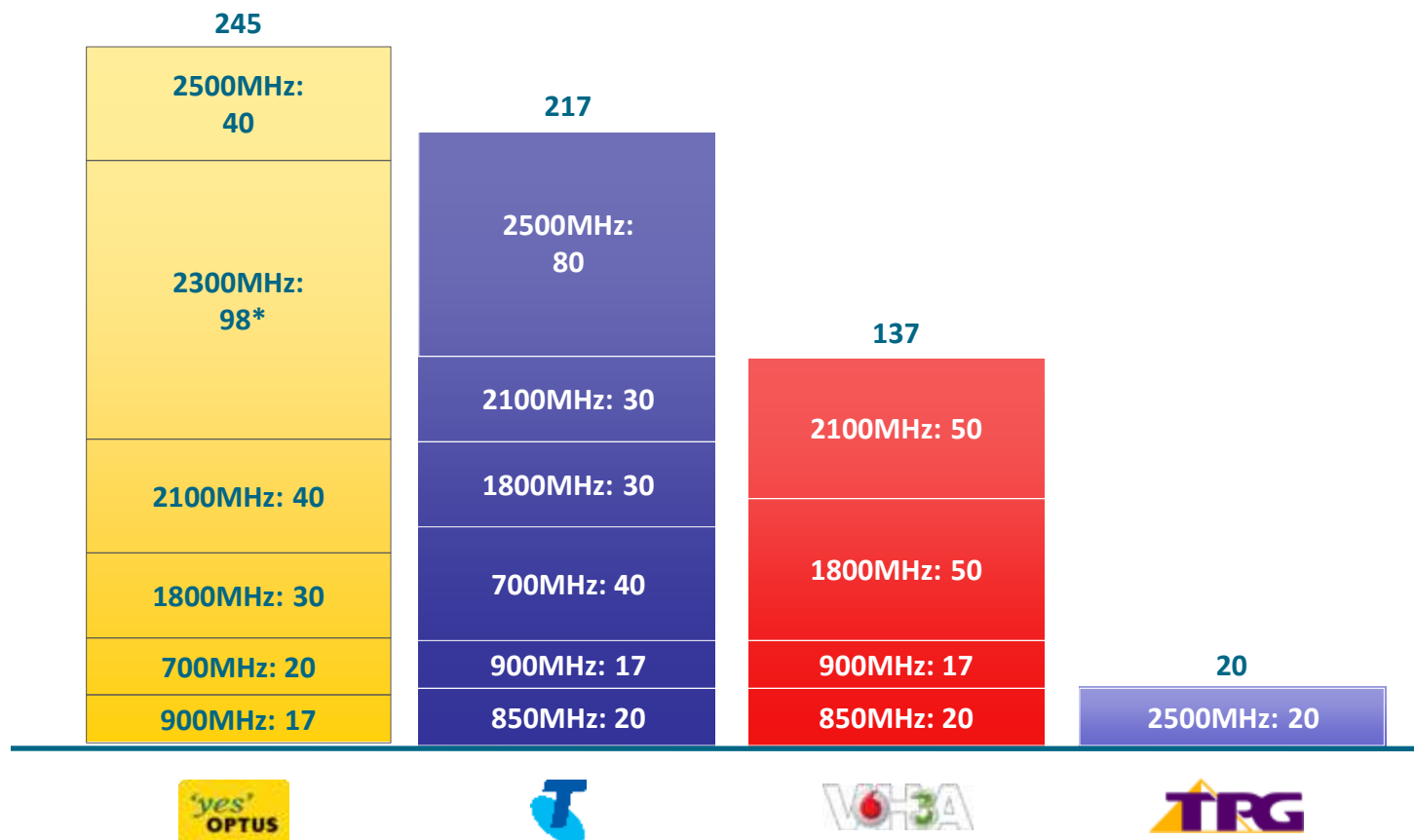
- Optus is rolling out Australia's first multi-band 4G network.





Optus in prime spectrum position

Metro (Unpaired MHz)



Note: Excludes Optus' 3.5GHz spectrum holdings

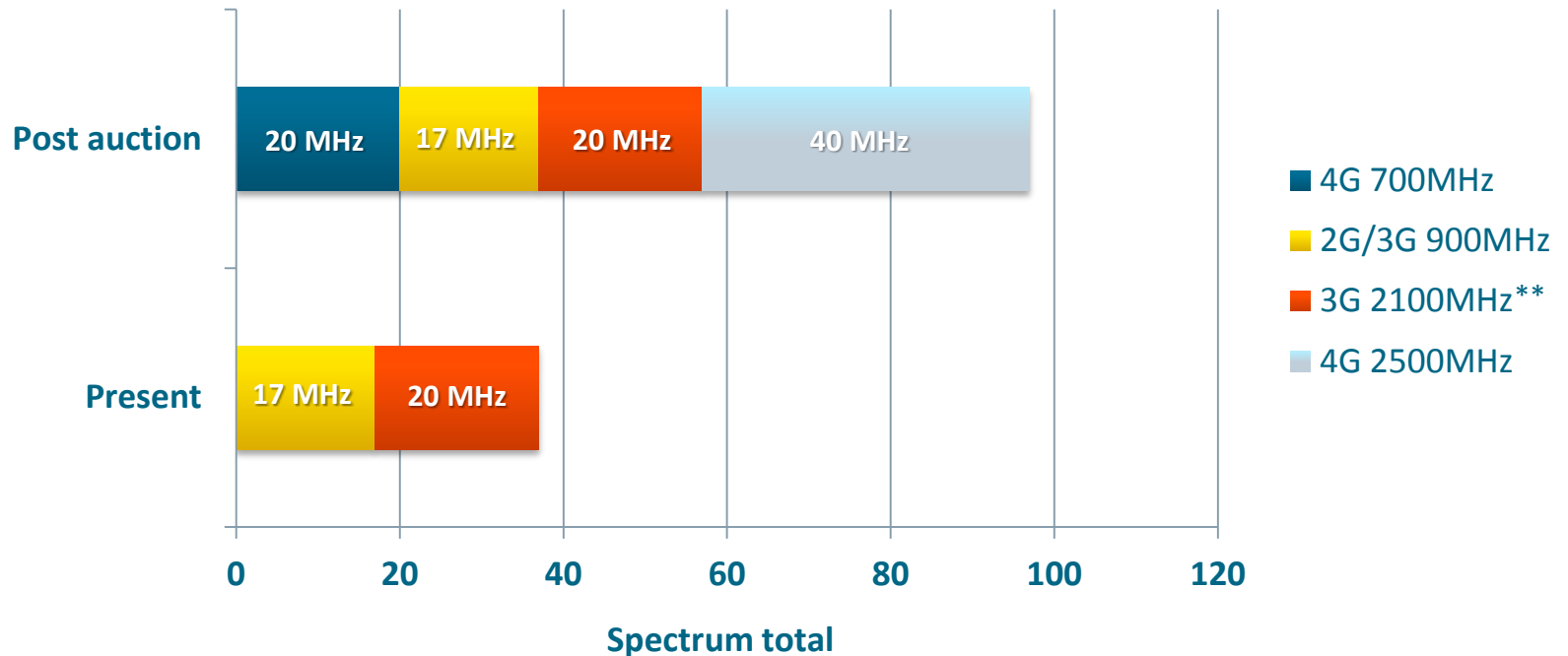
* Up to 98MHz





Significantly boosting our regional spectrum

Optus regional (Unpaired MHz)



Note: Excludes Optus' 3.5GHz spectrum holdings

** 10 MHz licence and up to 20 MHz apparatus licence in some areas (assumed average of 20 MHz)





Multi-band 4G globally

- Multiband 4G carriers around the world include:



3UK, EE in talks over combined 800-MHz network

By Nick Wood, Total Telecom
Thursday 16 May 2013

The two operators each acquired 2x5 MHz chunks of 800-MHz spectrum in February's LTE auction. While the 800-MHz band is good for providing coverage indoors and over long distances, 2x5 MHz is an insufficient amount of capacity to support data-intensive LTE services. Instead, operators typically require at least 2x10 MHz of spectrum.

With 2x10 MHz, "there is an opportunity for putting faster speeds through a bigger pipe," said Dyson, during a press conference in London.





Optus will deliver on



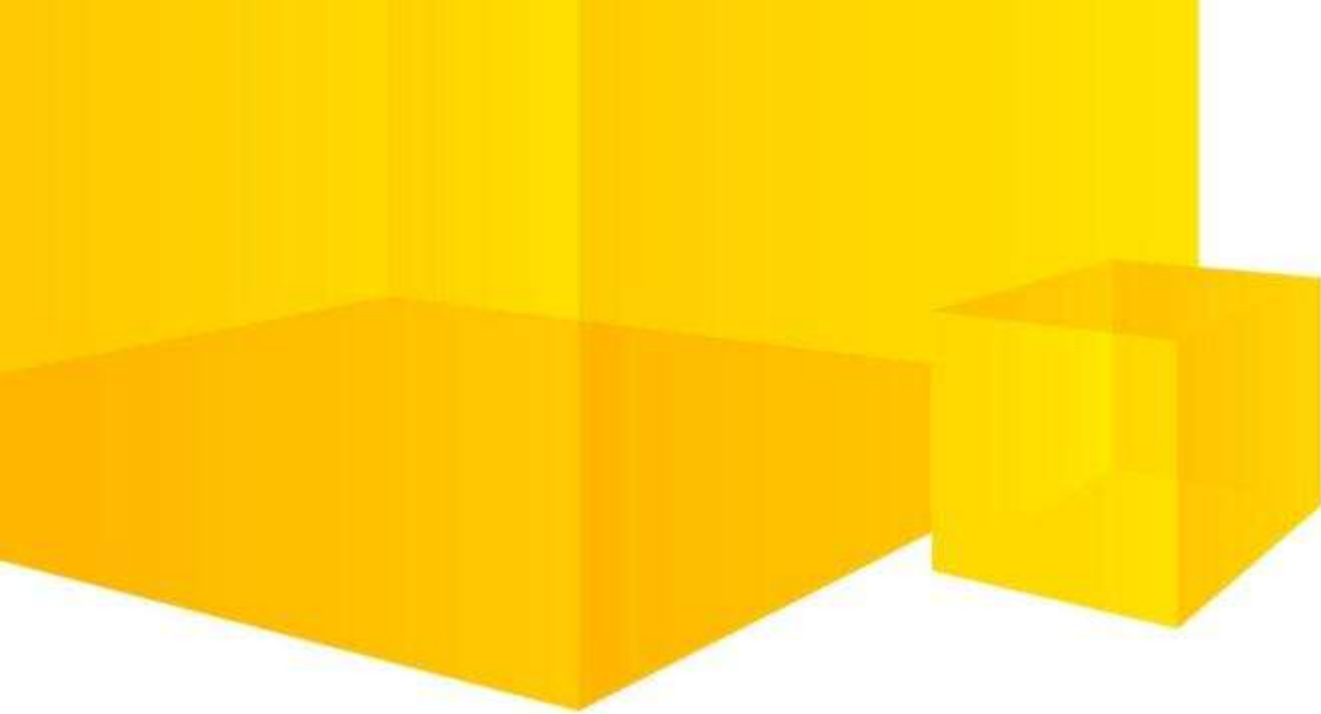
Strengthening
our 3G network



Growing our
4G footprint



Expanding our
4G technologies



Questions?

