

The Gigabit LTE Experience

Mike Wright

Group Managing Director Networks, Telstra



The ongoing driver of network innovation

The mobile data tsunami



Over the past decade wireless data traffic has grown at **85%** compounded p.a.



A single customer modem can deliver **20x the data rate** of the entire network demand from just over 10 years ago.
Its about to become more[#]



Traffic up 5 Fold
Video ~80% of total payload
5G Launched

A look at the Telstra roadmap

Mobile feature & network differentiation

Feature evolution



Video over
LTE
(ViLTE)



Voice over
WiFi
(VoWiFi)



LTE
Broadcast
(LTE-B)



Rich
Communication
Services (RCS)



Internet of
Things (IoT)



LANES

Network evolution



Better in-building
coverage



Faster speeds,
more capacity



New network
features in more
places (Cat 1, Cat
M1, NB-IoT)



Enhanced 4G
footprint advantage

Gigabit LTE Experience

What does it mean?

- The world's fastest network and device
- The largest ever step increase in peak network downlink speed
- The world's fastest network uplink
- Comprehensive integration of leading technologies, spectrum & network
 - LTE-Advanced with either 2 x 60 MHz (with 4x4MIMO) or 2 x 80 MHz (without 4x4MIMO) aggregation
 - 4x4 MIMO
 - 256 QAM
 - 10 Gigabit backhaul
 - Ericsson lean carrier
- Sustained data rates that enable 5G test cases

Telstra, Ericsson, Qualcomm and NETGEAR have now delivered the world's first Gigabit LTE commercial network and faster upload data rates.

This extends Telstra's current network download speed leadership to Gigabit speeds (~979Mbps) whilst doubling upload peak speed (~150Mbps).

**The World's Fastest Mobile Hotspot on
Australia's Fastest Mobile Network***

