



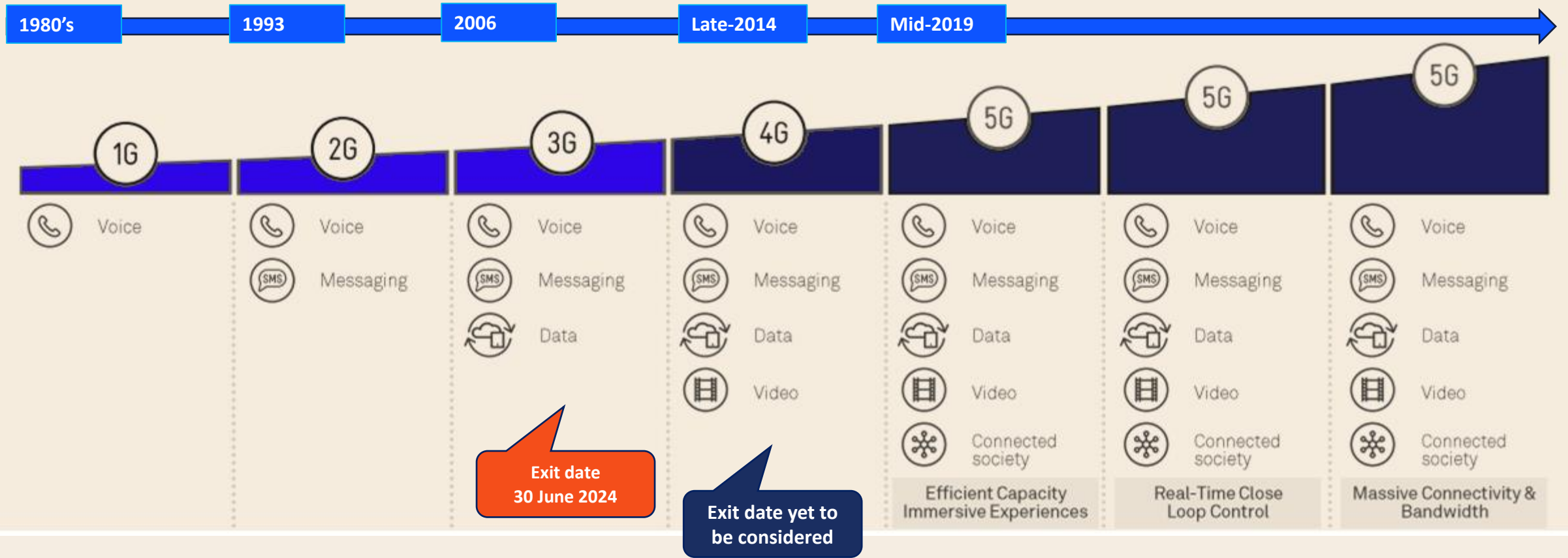
Telstra

Wheatbelt Futures Forum

May 2024



Each evolution in Mobile technology enhances performance and ability to service increasing data demand



Increasing speeds – Decreasing latency



Goodbye 3G. Hello to a better network experience.

To help provide you with an improved experience, we're evolving our mobile network. This means that on 30 June 2024 we're switching off our 3G network. Our 4G and 5G networks will be available instead and offer an improved experience, representing the next leap forward in mobile network technology.

Have you got a Telstra mobile phone?

To check if your mobile will be impacted by the 3G network closure on 30 June.

 **SMS 3 to 3498**

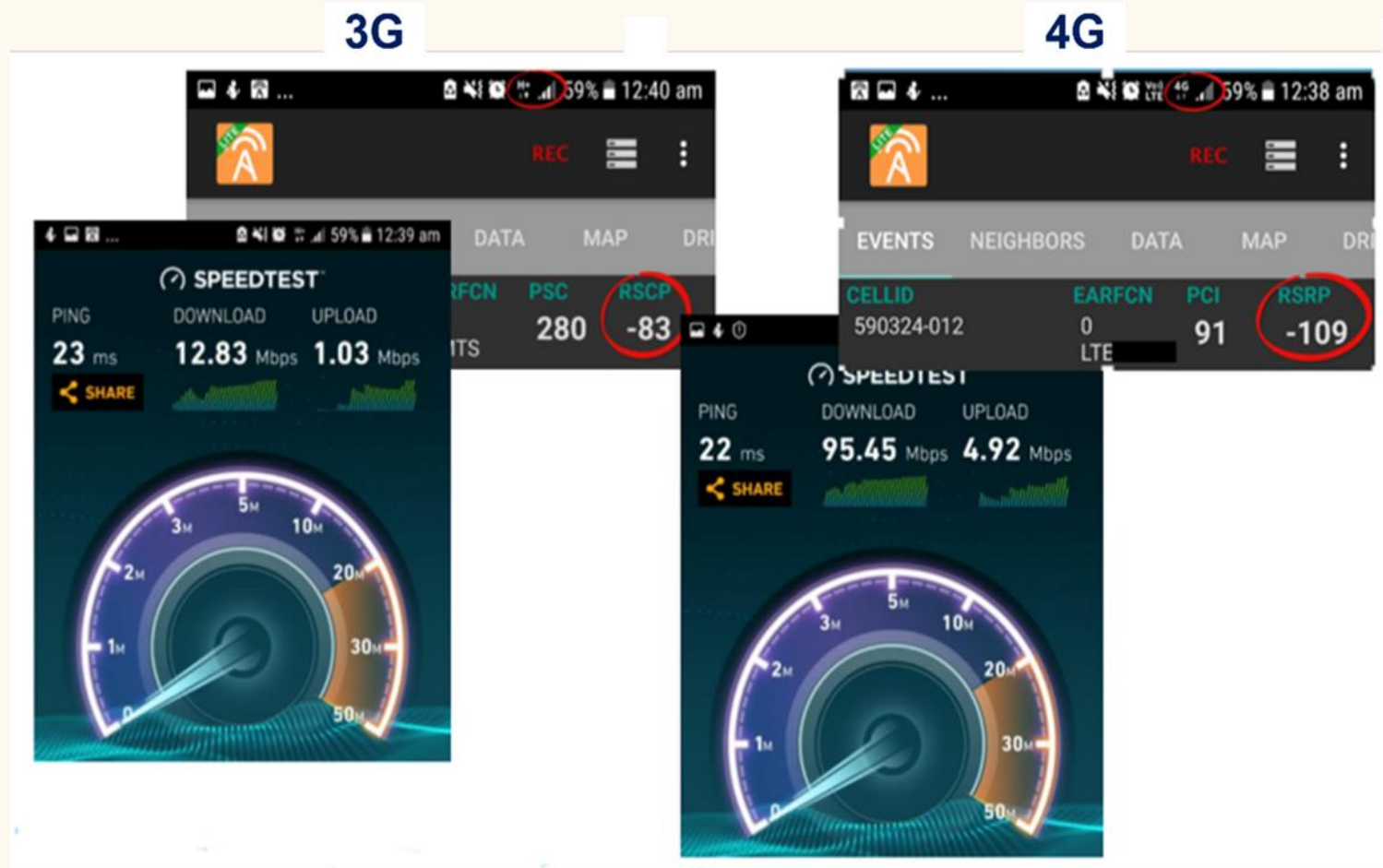
Signal bars on phones

Fewer bars does not equal a lesser service



Signal bars differ between technologies and mobile devices, therefore they are not always a good indicator of coverage and performance.

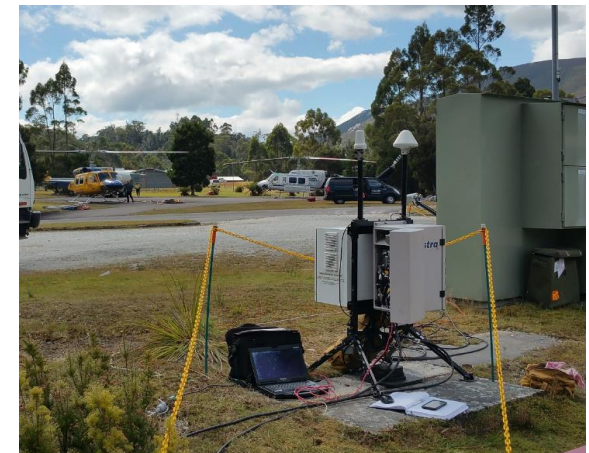
The left results show 3G receiving higher bars, but a far lesser overall experience in both download and upload speeds compared to the 4G service on the right.



Disaster Management



Telstra has vast experience in managing networks and supporting communications through natural disasters and emergency situations across many decades



Satellite connectivity

Complementing fixed and mobile technology

Responsiveness
Lower ————— Higher

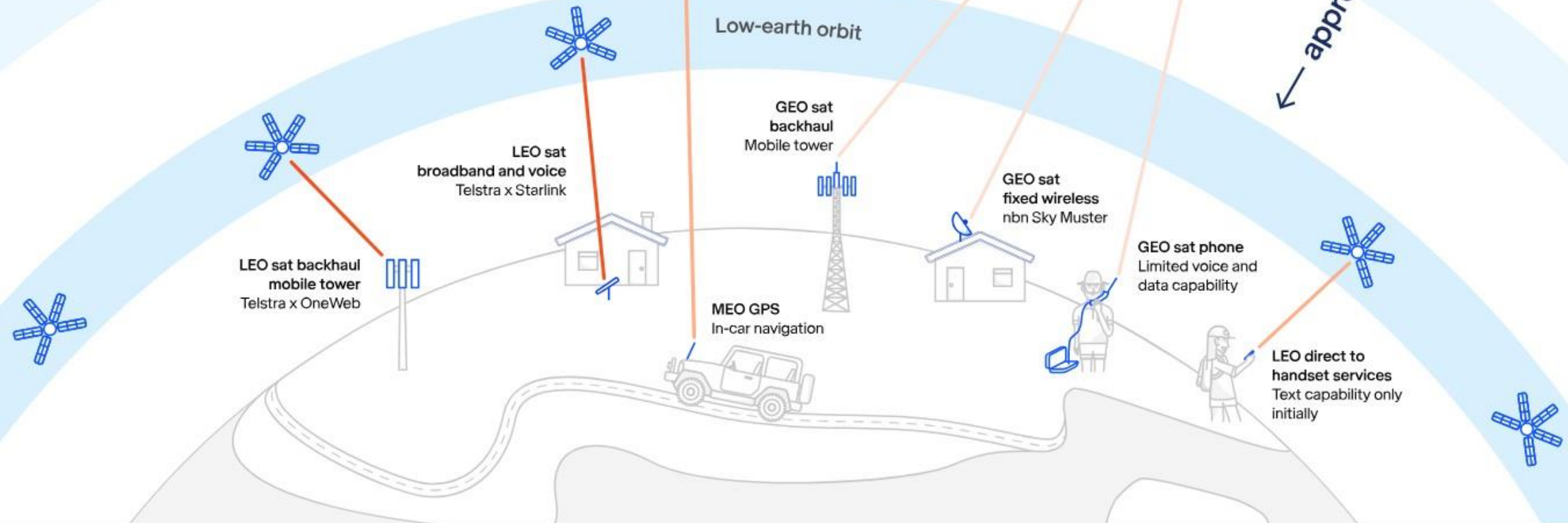


Geostationary orbit

Medium-earth orbit

Low-earth orbit

← approx 50x higher →



LEO sat broadband and voice
Telstra x Starlink

LEO sat backhaul
mobile tower
Telstra x OneWeb

MEO GPS
In-car navigation

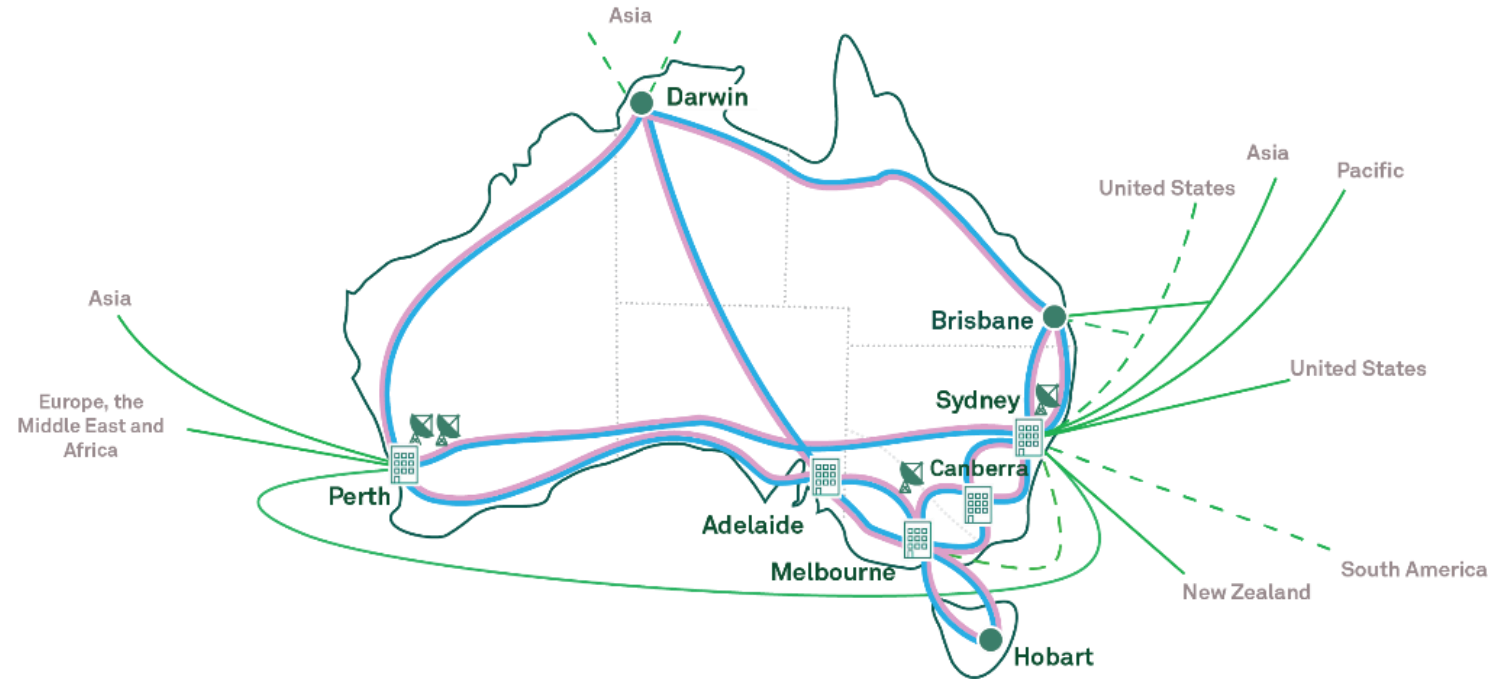
GEO sat backhaul
Mobile tower

GEO sat fixed wireless
nbn Sky Muster

GEO sat phone
Limited voice and data capability

LEO direct to handset services
Text capability only initially

Telstra InfraCo intercity fibre network overview



Satellite ground station sites



Data centres



Planned connections to international subsea cables



Connections to international subsea cables



Express path (in build and plan phase)



Foundation path (in build and plan phase)

General

Regional connectivity

InfraCo is building two separate sheathed cables across Australia, with plans to connect all capital cities.

- Express path fibre (Pink Cable)
- Foundation path fibre with regional access points (Blue Cable)



Foundation Fibre Path

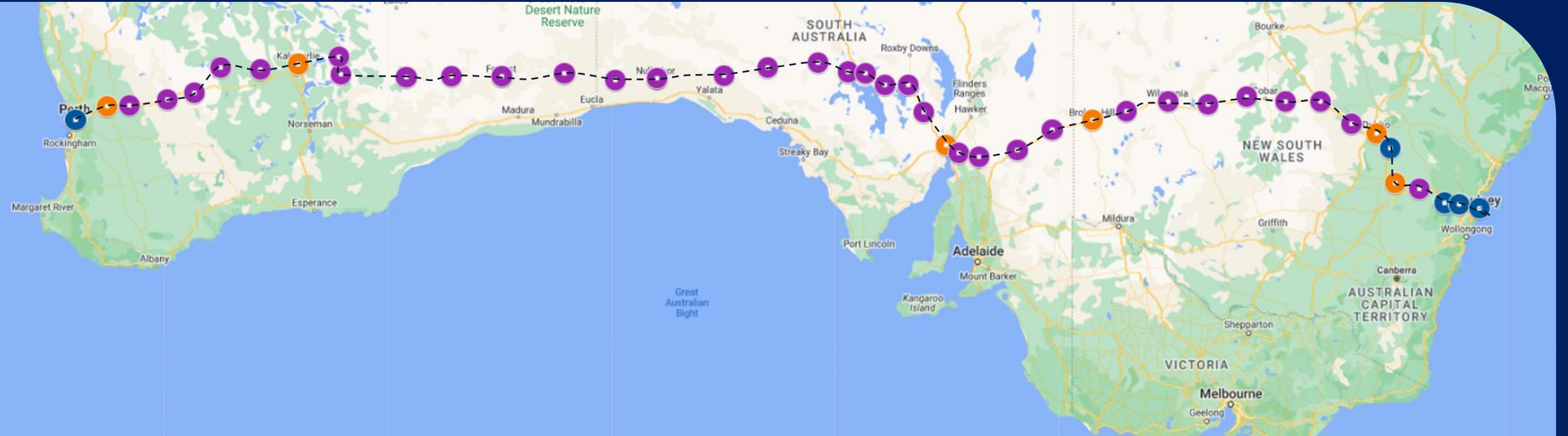
Low-latency fibre with on/off ramps to allow for future connectivity to regional and remote areas along the pathway.



144

Fibres in each cable

Perth – Sydney



- Metro
- Regional
- Rural and remote
- Fibre

Introducing Telstra InfraCo's CAT D9 Plough Dozer

