



Commercial Drivers for Release 18

Telstra Release 18 Priorities

RAN Rel-18 Workshop

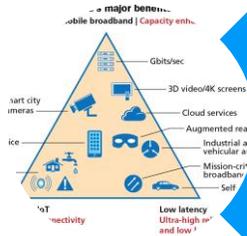
June 28 - July 2, 2021

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A GLOBAL INITIATIVE

Release 18 should target a balanced, market driven package built on the foundations of 5G and setting the platform for 5G Advanced



Release 17 marks the maturity of 5G; the delivery of the 5G promise of an ultra-reliable, high-speed, low latency mobile network supporting massive connectivity.

- Headline features fully enhanced



Commercialisation of Release 18 is expected ~ 2025;

- the next phase of 5G maximising return on invested capital and serving broader market segments.
- Given the delay in Rel-17, planning should be based on a 15 month release.



It is important that Release 18 delivers features with demonstrable benefits driven by the market.

Features descoped from earlier releases need to be re-evaluated in terms of their commercial justification.

In the absence of a clear market driver, Telstra does not see starting 6G as a priority for Release 18

Business drivers for Telstra

Release 18 should target performance and capability in these areas where not mature in Rel-17

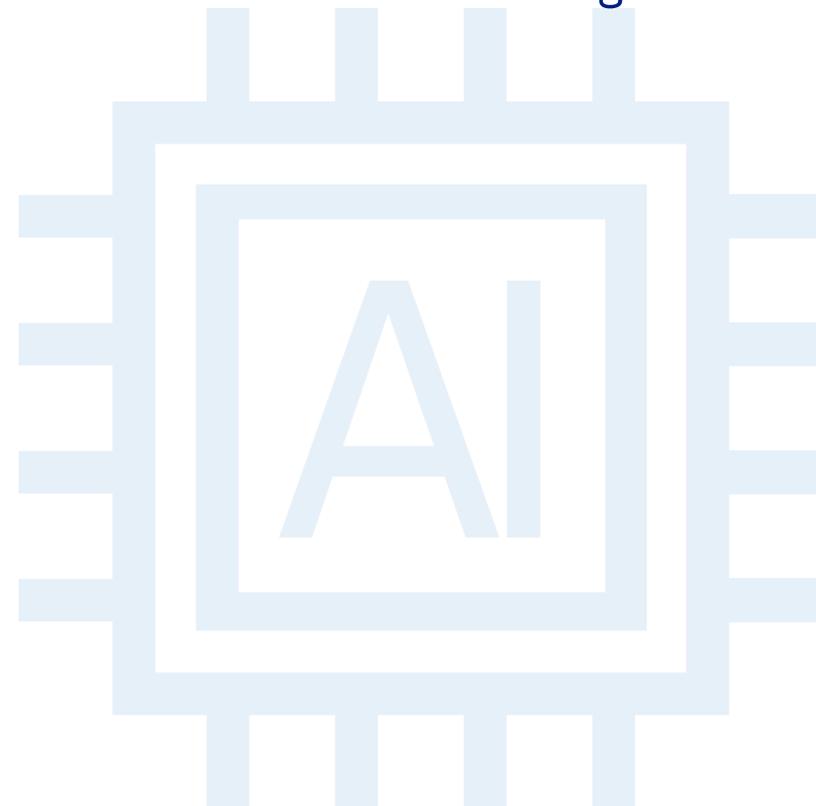


Network Superiority

- Increase RAN architectural efficiency / RAN virtualisation
- Densification efficiency improvements / HetNet / coordination optimisation
- FR2 coverage extension and performance efficiency enhancements; eg smart and mobile repeaters
- New spectrum and supporting band combinations
- Deeper mIoT coverage

Network Resilience

- Network automation
- Network AI/ Self-healing



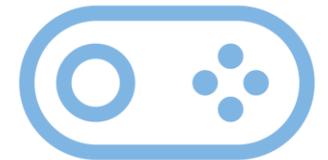
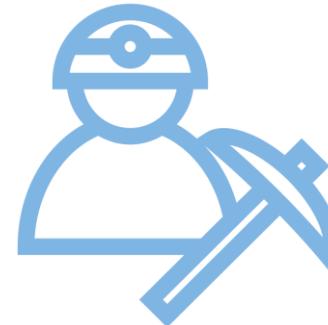
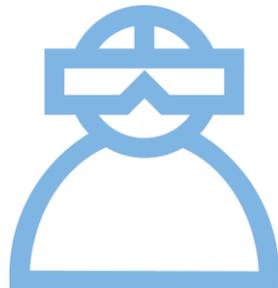
Business drivers for Telstra

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Next Generation Services

- Convergence of fibre and mobile services in the home and enterprise
- End-to-end QoS slicing across domains/access types
- Bespoke and scalable network performance
- Mission Critical evolution to 5G
- Improved management of legacy LTE services with long commercial lifetimes, eg PTT



Business drivers for Telstra

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Cost Efficiencies

- Lower device testing costs
- Intelligent management of legacy devices & services, eg NSA
- Lower FR2 deployment costs to aid densification

Energy Savings

- Telstra has committed to halving its network carbon footprint by 2030
- Device energy and thermal efficiencies that do not compromise performance