



# TGSN rollout for transport

The existing VicTrack telecommunications network has served Victorians well but is coming to the end of its lifecycle, as demand on the network increases and new technologies emerge.

It's time to replace the ageing infrastructure with a new telecommunications network that is modern, more reliable, more secure and capable of running future applications.

The Transport and Government Secure Network (TGSN) upgrade will deliver a robust and integrated telecommunications platform that continues to meet the state's transport industry needs today and into the future.

## A statewide network



## What is the TGSN rollout?

VicTrack is investing \$69m to rollout TGSN – a robust platform that enhances the network capacity, performance and reliability required for the transport sector.

The constructed network will connect 344 stations and other rail corridor sites across Victoria.

The technology rollout will replace existing telecommunications infrastructure with next generation communications, involving the migration of 13,000 legacy services and decommissioning around 1,400 legacy devices.

## What will migration involve?

The TGSN rollout commenced in mid-2020, with the build now well underway and enhanced products available to select. The fully-integrated TGSN network will be complete, and all current customers completely transitioned, by mid-2023.

Most of the TGSN migration will be completed in the backend with no or minimal impact to customer operations. Customers will be informed prior to VicTrack commencing any existing service migrations.

While migration is like for like, the TGSN rollout will provide transport customers with the opportunity to assess their current configuration and consider upgrading their VicTrack telecommunications products and services to the new enhanced offerings made available.

## Need more information?

For general enquiries, please contact your VicTrack Account Manager.

For any TGSN specific queries, please email TGSN Migration Account Manager Kiran Solipuram on [kiran.solipuram@victrack.com.au](mailto:kiran.solipuram@victrack.com.au)

## Transport benefits:

- End-to-end integration**  
 Dynamically coordinated connectivity provides enhanced capacity and high bandwidth availability.
- Broad transport network coverage**  
 Extended statewide carrier-grade coverage across Victorian rail corridors in cities, regional and remote areas.
- Increased rail network security**  
 Leveraging advanced encryption and multi-factored authentication capabilities to minimise vulnerability to cyber-threats.
- Future-proofed and modular**  
 Flexible platform for rapid deployment, with scalability ranging from 1G to 100G (and beyond).
- Enhanced products and services**  
 Improved products including Wavelength, Ethernet, Internet and IPWAN to support diverse traffic types and dynamic business needs.
- Meeting future needs**  
 Offering flexibility, agility and speed for emerging technologies including Digital Radio, LTE, IP Voice and Video.
- Alignment to Victoria's Big Build**  
 Supporting and enabling Victoria's major transport construction initiatives.
- Comprehensive operations**  
 Enhanced fault management, performance measurement and in-service monitoring to ensure every transport journey is safe, reliable and secure.