The intersection layout and the phase (traffic signal state) configuration is entered into the SCATS Cornerstone system, creating a digital copy and virtual representation of the road network. The digital copy of the intersection can be developed from a CAD drawing or any other mapping data source such as Google Maps. SCATS Cornerstone makes the data available in standardised formats required for different ITS applications.

**How does SCATS Cornerstone work?**

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**Key features**

- Supports intersection and gated island configurations
- An interface that enables easy setup and management of complex and gated islands
- Provides real-time data for traffic management applications
- Can be used with or without SCATS

**Single source of truth**

- Intersection layout is converted and managed for traffic systems and applications
- Intersection data is distributed at all connected systems
- When changes occur to the traffic network, all systems are updated at the same time

**Built-in version history and data capture allows access to visual historical data for accurate traffic modelling, simulation and analysis.

**Universal software for smart cities**

Smart cities rely on many different systems to manage the transportation network. SCATS Cornerstone provides a uniform digital copy of intersections critical for the effective performance of traffic management systems, modeling applications, and connected & autonomous vehicles.

For use with or without SCATS, SCATS Cornerstone ensures consistent intersection data for use by current and future ITS technologies.

- Creates a digital twin of the road network
- Provides a single source of truth
- Efficient, effective, and easy to use

**How does SCATS Cornerstone work?**

Designed and developed in Sydney, Australia by the NSW Government, SCATS has been delivering safe and reliable traffic management solutions since 1975.