

# **Towards a CORS Management Model: Results from an Australian Experience**

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## **SUMMARY**

The state of Victoria's CORS network GPSnet is the most extensive and mature regional real-time network established in Australia and has been in operation since 1996. It provides a network real-time kinematic (NRTK) service to registered users over greater Melbourne and environs, network DGPS (NDGPS) statewide and traditional single base RTK in a number of rural and regional locations. Managed by Spatial Information Infrastructure (SII) of the Department of Sustainability and Environment (DSE), the custodian's of GPSnet have had to develop innovative approaches to managing the cost of establishing the network through third-party cooperative endeavors, managing the technical complications that eventuate in achieving statewide coverage and are actively resolving the current challenges that arise in maintenance, advancement and cost recovery from this infrastructure.

Through these experiences, GPSnet has evolved as an ideal platform for developing formal models for CORS network management. This paper will focus on the lessons learnt in Australia across the developmental period of GPSnet. It will document some of the significant strategies adopted by the custodians, a description of GPSnet user statistics and finally it proposes a CORS network management model as derived from the results of questionnaire responses obtained from users of GPSnet and similar networks internationally.

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