

SydNET - The CORS Network Creating the New Pillars of Position around Sydney, Australia

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SUMMARY

This paper presents the current status and future plans of GNSS CORS Network Infrastructure in NSW with particular emphasis on system and data management issues. After four years of Sydnet in-house development, the benefits and short comings of a hybrid, “open source” CORS network management system are examined. The system has advantages for research and education having access to source code. Being able to utilise a variety of reference station equipment is another benefit. Comparisons are made with the functionality of commercially available CORS Network Management systems. The paper also discusses the impact of the current system on users of the CORS network including dealing with position and height anomalies in the existing conventional survey control network.

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