

## **GDA2020 and the AGRS: Hindsight and Foresight for Datum Modernisation in NSW**

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### **ABSTRACT**

*1 January 2020 was the nominal date for the adoption of the Geocentric Datum of Australia 2020 (GDA2020) in NSW and across Australia. This new static datum represents just one step towards the high-precision capabilities planned and required for the Australian Geospatial Reference System (AGRS). This presentation provides a hindsight review of what has been accomplished for the roll-out of GDA2020 across a range of spatial data platforms and legislative amendments supported by the Office of the Surveyor General, and what this means for practices in NSW. In foresight, the year 2020 also ushers in the Australian Terrestrial Reference Frame (ATRF) to support time-dependent coordination, and the Australian Vertical Working Surface (AVWS) to support wide-area height requirements. Both products are available from 2020 but will be subject to further development of software and standards before wide-spread adoption.*

**KEYWORDS:** *GDA2020, AGRS, ATRF, AVWS, time-dependent, datum modernisation.*