

Reference System Modernization in Canada

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SUMMARY

The Canadian Geodetic Survey (CGS) plans to adopt NATRF2022 as a new national positioning standard, in parallel with the National Geodetic Survey (NGS) in 2025. NGS and CGS are collaborating to define and realise NATRF2022 to ensure reference frame compatibility across both countries. This talk will describe the Canadian considerations for the definition and realisation of NATRF2022, and outline the planned products and services which will be released as part of the modernized reference system. It will also discuss the plans for an updated realization of the Canadian Geodetic Vertical Datum of 2013 (CGVD1013), a geoid-based height system which has been adopted in Canada since 2013.

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