

# **A Method of Building the Local Geoid Model in Vietnam**

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## **SUMMARY**

GPS points which were measured height by leveling (GPS/leveling points) are used to determine geoid undulation, following that, interpolating geoid undulation of another points to determine height by GPS. When using the global geoid model to determine geoid undulation, measured data at GPS/leveling points are used to assess the suitability of the geoid model with real surface geoid of measured area, not only that, these data can also be used to correct geoid model in the area exists GPS/leveling points. This paper presents a method to build local geoid models based on correction for the global geoid model from relative model of measurements at GPS/leveling points.