

Basic Gravimetric Network of Republic Macedonia – a New Reality

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SUMMARY

In the paper is presented a realization of the Basic Gravimetric Network of the Republic of Macedonia. The project and the realization are made in 2012 and 2013. This new basic gravimetric network is the first prime order gravimetric network in Macedonia. The gravity datum is defined by the absolute gravity network in Macedonia. The absolute gravity network in Macedonia consists of three points that was established in 2010. The definition and the realization of the basic gravimetric network of Macedonia, as a part of the new geodetic reference systems, was made under the authority of the Agency for Real Estate Cadastre of Macedonia. The project was supported by the World Bank project. In the project are presented network design plan, point monumentation plan, network observation schedule, and the required resources for its realization. The main stages of the establishment of the network are presented. The measurements and processing of the data are realized in cooperation of specialists and equipments from Bulgaria, Macedonia and Serbia. In details are given the basic parameters, the method of measurements, the processing and the achieved results.