

MONGOLIAN GEODETIC REFERENCE SYSTEM

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ABSTRACT

The geodetic agency of Mongolia has been implementing its basic duty to mapping the territory by regularly renewing the Geodesic supporting network (location's, height's, and gravimeter's) combining to the changes of the earth shape and social and economic needs and requirements.

In solving the above mentioned problems for Mongolia that is remote from the oceans and seas, has the continental location, and has the vast territory, the following issues are faced:

1. There are no locational and height network origin points. The cross-section system of our country is used before 2009, F.N.Kraskovskii's reference ellipsoid in the cross-section system of 1942 that has origin from stars and planets observing peakin Pulkovo of Leningrade of Russia and has been using WGS84 ellipsoid in the ITRF cross-section since 2009.
2. The equipment and technology and human resource are not sufficient.
3. There shortcoming for base and fundament to make the surveys and analysis with the scientific basis.

However, we will introduce you the activities executed with the purpose to solve the above mentioned issues and take many measurements in order to harmonize with the worldwide trends.