

The World Geodetic Network System and the Amendment of the Japanese Surveying Law

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ABSTRACT

The Japanese Diet has approved an amendment of the Japanese Surveying Law in June 2001. The most important amendment is an adoption of the new geodetic system such as the reference ellipsoid as well as geodetic datum.

This amendment was issued in accordance with the international flow; the unification of world geodetic system, the recommendation of IUGG, the wide spread of GPS system and so forth.

Japan had adopted the BESSEL ellipsoid and TOKYO datum so far, as the general standard for the use of the whole surveying. These elements are going to replace to the GRS 80 as well as to the ITRF 94 from April 1, 2002.

The Geographical Survey Institute, Ministry of Land, Infrastructure and Transport, has already prepared the transform system of control points coordinates from the old to the new one, and has printed the mention for both old and new longitudes and latitudes on the national maps.

This paper describes the present status of geodetic system for some countries in the world and problems to be hereafter solved for the adoption of world geodetic system.

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