

Searching Position in Non-Residential Areas in Emergency and Disaster Situations by Using the National Point Number

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SUMMARY

The address system based on the street name and the parcel number are used for searching position effectively in the residential areas. But it is not easy to search position in non-residential areas like mountains, forests, shores, if there is not enough position information of these areas. So in these areas it is hard to tell exact position to rescue team in emergency, disaster situations.

In order to make up for this situation, the national point number was introduced for searching location in Korea. The national point numbers have been installed in the mountains, forests, shores to prepare for emergencies, disaster. It is produced by the grid reference system and composed of a two-letter pair Hangul and 8 Arabic numerals. These letters indicate position of specific region.

Because accuracy of the national point number is very important, a designated organization by the government can verify position of it to enhance the reliability of accurate position through Network RTK surveying.

The purpose of this paper is to introduce the current condition of the national point number in Korea and the verification method of the national point number for accurate position.

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