

# **An Approach to Correct Official Records for Real Estate Administration Information Unification**

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## **SUMMARY**

The real-estate-related information included the data of cadastre, registration and buildings which are directly connected to the land ownership of the public have been considered important in Korea as a result of the rising interests in the establishing spatial data based decision-making system and the application and management of spatial data. However, even an identical real estate is not coincident with related records as cadastre, registration and buildings data are operated and managed separately in Korea. Accordingly, the Ministry of Land, Transport and Maritime Affairs is pushing ahead with 'A Project on Real Estate Administration Information Unification' to operate integrated cadastre, registration and buildings data, the main primary data of real estate information, from 2010. To integrate these spatial data related to real estate, errors which are not coincident with related records and errors of an individual record have to be first corrected.

The data correction of cadastral records was firstly performed as a part of the project on Real Estate Administration Information Unification. In the process of drawing, management and computerization of Korean cadastral records which are operated at the level of cadastral map quadrangle, cadastral origin and administrative area, several types of cadastral information errors have been found. These errors of cadastral records were corrected by researching historical data and using reference data such as all sorts of cadastral survey data and aerial ortho images. And errors of other official records related to real estate are going to be modified. These error corrections will contribute to integration of all associated records by correcting errors of an individual record and non-coincident errors with other records.

In this paper, an error correction method of cadastral records to connect with other spatial data related to real estate is presented and a way of real estate integration system for a service to use administration information related to real estate such as cadastre, registration and buildings data at a time through one system is designed. The accuracy improvement of official records and establishment of real estate integration system will contribute to establish national real estate policies and provide public services more accurately and promptly.