

# **A Research on Supporting System of Cadastral Surveying Data under Wireless Internet**

**Kwanmo Nam and Kwangsu Kim, Republic of Korea**

**Key words:** Digital cadastre, e-Governance.

## **SUMMARY**

In this study, the possibility of computerized cadastral reference information which is demanded for a local branch of Korean Cadastral Survey Corporation(KCSC) has been recognized and a standardization method for the reference information is suggested in order to manage inefficient cadastral information at the branch formally. Also, as a procedure of verifying standardized information, a web service on the Internet basis is installed. And it is found out that the scope and the terms required of standard information, are defined as regulations on work of the local branch. This web service for simulation of standard information is operated on the wire and wireless network. And this service is provided to manage updating and deleting information in realtime. This standardization reference information designed on web script format XML is used as an open platform which is not subject to a particular OS(Operation System). It uses Internet space as a basic channel. This service adopts SOAP for software equipment to transfer message type and HTTP, so that mutual communication between objects that have different types of platforms could be possible through Internet. It is expected that the standard cadastral reference information designed in this study could be applied as the standard for cadastral information to Korean governmental and public organizations and other related agencies when they request.

## **CONTACTS**

Mr. Kwanmo Nam  
Senior Reseacher  
Korea Cadastral Survey Corperation  
Cadastral Research Institute  
#45 Youido-Dong Youngdungpo-ku, Seoul Korea  
Seoul  
150-891  
Republic of Korea  
Tel.: + 82 2 3774 2326  
Fax: + 82 2 3774 2316  
Email: gas7777@naver.com