

## 건축행정 전산자료 활용 제도 정비 방안 연구

Measures for Improving Access to the Computerized Data from Architectural Administration

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SUMMARY

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As the 4th industrial revolution technology develops, the possibility of using building information, and the demand for building information is increasing. In addition, the improvement of the usability of computerized architectural administration data is being presented as a major task in the field of architecture, city, and space. However, access to data has not been activated due to insufficient guidelines.

The current 'Manual for Computerized Architectural Administration Data Use' has not been revised since the manual was announced in 2013. Therefore, it is difficult to provide data, and there are lack of standards for data provision. Accordingly, it is necessary to revise the laws and systems such as the standards for data provision of the data, and the manual for using the computerized data for architectural administration. This study tried to revise related laws and system for the use of computerized architectural administration data and proposes a revised manual(Manual for Computerized Architectural Administration Data Use).

We investigated how building-related information is being used, and what are the limitations of using computerized architectural administration data. It was found that the current building-related data are actively used by both the public institutions and the private sectors. However, it was un clear that the specific data used by public institutions, and the purpose of the data use. In case of public sector, the ratio of using computerized architectural administration data

was low. Therefore, It was confirmed that to find ways improving access to the computerized architectural administration data is important.

Analysis of laws and systems related to the use of computerized architectural administration data was performed. We investigated relevant laws such as Building Act and related laws, building administration system operating regulations, Official Information Disclosure Act, Act On Promotion Of The Provision And Use Of Public Data, Personal Information Protection Act. Through this, the part that needs to be updated and improved in the manual was derived.

Based on this review, a plan to improve related laws and systems was proposed to improve the usability of computerized architectural administration data. It is divided into three parts: providing standards for computerized data to be used, manual improvement proposals, and laws and system amendment proposals to promote the use of computerized architectural administration data. The list of data to be used was categorized, and data providing standards and procedures were finally derived according to the sensitivity level of the data. Along with this, a amended manual was proposed to facilitate the data use.

In order to activate the use of architectural administration computerized data, a data safe zone application plan and the concept of ‘building information figure’ were proposed. The data safe zone is already being used by organizations that handle personal information, such as the National Health Insurance Service. Building data can also be used in this way. The ‘building information figure’ proposed in this study refers to the form of abbreviated drawings of drawings. Such ‘building information figure’ will be available in the case that it is difficult to provide drawings due to problems such as privacy protection and copyrights.

#### Keywords

Computerized Architectural Administration Data, Electronic Architectural Administration Information System, Information Disclosure, Drawings and Specifications