

The Development of a Performance Assessment Model for Cadastral Survey Systems

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SUMMARY

A cadastral survey system is an indispensable land administrative function. It provides spatial related cadastral datasets to the society. A sound cadastral survey system should fit for the purpose of the land administration system in fulfilling its societal requirements. Assessment model to check how well each cadastral survey system fits for the purposes of its society is rather rare. This paper introduces the development of a structured multi-criteria performance assessment model for cadastral survey systems. A set of criteria and performance indicators are defined. These model parameters aim to test the trustability and extensiveness of cadastral survey services in both developed and developing land markets. The established framework evaluates each system performance based on the judgements from land stakeholders and system achieved performance datasets. With sufficient feedbacks, a robust framework can be established to share ideas on the performance of cadastral survey systems. This paper emphasizes the development of the structured multi-criteria assessment model. Some preliminary results of implementing this assessment model in Hong Kong cadastral survey industry are also discussed.