A Subject Domain Model of Kenya's Cadastral System

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SUMMARY

The success of any Computer-Based Information System is contingent upon a detailed understanding of the subject domain. In a Land Information Management System (LIMS), this comprises the things that the system deals with, such as land parcels, tenure, and their interrelationships. During the recent past, Kenya has launched several LIMS initiatives, most notably the National Land Information Management System. These initiatives have only been partially successful, which is attributable to the absence of an accepted cadastral data model. Due to this, Kenya risks non-standard data and processes, poor quality information and increased cost of land information management. With this in mind, this study addresses two objectives: to document a subject domain model of Kenya's cadastral system anchored on contemporary legal framework; and to derive a mapping between the developed model and the Land Administration Domain Model. The study addresses Kenya's lack of reliable land information, despite several past initiatives without tangible success. To achieve the objectives, the methodology encompasses mix of desk review and analysis of primary data collected through questionnaires and Key Informant Interviews. The study presents a more detailed and accurate conceptual model of Kenya's cadastral system.