

# Information Communication Technology (ICT) and Public Procurement in Kenya

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## **Abstract:**

The purpose of the study was to establish the extent of Information Communication Technology (ICT) adoption in public procurement, to determine the impact of ICT applications on procurement and its management and to establish the relationship between the level of ICT adoption and quality of service delivery in public procurement. The study used cross-sectional research design. The population of interest of this study was the Kenya government ministries. Both primary and secondary were collected. The data collection instruments were self administered semi structured questionnaires. Quantitative data collected from the first research objective was analyzed using descriptive statistics while the second objective and third objectives was analyzed using inferential statistics. From the findings, the study concludes that the number of computers in the ministries is not enough for all employees. The study also deduced that the procurement employees mainly use ICT in information gathering/need identification/procurement planning, bid preparation and or supplier contact/pre- solicitation, invitation of bids or advertisement and contract management. The study finally concludes that relative advantage for ICT contribute more to the quality of service delivery in public procurement followed by facilitating environment for ICT. The study also revealed that that organizational readiness for ICT, relative advantage for ICT and facilitating environment for ICT affects the quality of public procurement management. The study recommended that the procurement functions in the ministries should employ ICTIE-Procurement tools to cover catalogue systems and communication with suppliers through emails. The study also recommends that the ministries should use ICT in award of contract and contract renewal.

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