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The Impact of RFID Applications on Privacy Laws

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Abstract

Radio frequency identification system (RFID) seems to be the radio device with most potential in contemporary society. Factors like advanced features and mass production result in the continuing reduction of its cost. Both the public and private sectors plan to employ this technology on individual identification and product logistics. As much as the use of many other technologies, RFID not only makes our lives more convenient, but also raises many privacy concerns. This essay analyzes the privacy issues raised by RFID technology after a brief introduction of its various applications. Different models of privacy regulation will be discussed and an adequate one will be subsequently proposed to strike a better balance between efficiency and convenience of the use of this technology and a need to provide acceptable privacy protection.

Keywords: radio frequency identification system, RFID, information privacy, fair information practice