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Abstract Abstract
RFID（Radio Frequency Identification）which has been remarked recently seems to lead to a new generation of industrial revolution. A leading experiment of deriving RFID by Wal-Mart is attended by industry. In Taiwan, both of the government and the academia also devote themselves to the researches related to RFID. Some concrete achievements about RFID have been announced, and they are applied on parts of lower-level industry. Even though RFID brings a new perspective, there are still a lot of problems need to be concerned, such as radio frequency （RF）, technique maturity, system integration, material characters, invest cost, and so on. Therefore, applying RFID to a company should be considered more critically and broadly. Most importantly, the propects of deriving RFID will be gloomy if the derivation of RFID is only limited to the symptom of technique but ignoring latent factors including impacts on human resource management, organization culture, staff feeling and so on.
The derivation of FRID should not to be regarded as an execution of special plan for an industry because the influence of deriving RFID is significant. The derivation of FRID could be a reformation of organization or an industrial transformation. During the derivation procedure, attentions are not only paid on the combination of technique aspect and organization itself. The promotion of operation efficiency and the integration of information system caused by the derivation will affect policy planning of an organization in the future. This study will emphasize on analyzing variables that could affect the success of deriving RFID in each aspect of technique character and organization. Besides, the experience of case studies are extracted and aspect of change management is applied to tighten the derivation strategy and to avoid the risk. Finally, a FRID derivation model of 5 stags and 19 processes is proposed to be useful for industry.
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