Use Case and Service Framework for WPT(Wireless Power Transfer)

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(Pt9)Abstract—**Wireless power transfer (WPT) is one of the promising technology of the near future with devices transferring electric energy from one device to another in wireless manner. Currently, many researchers and organizations focus on the wireless power transfer technologies itself concentrating on device to device(s) interaction. However, a standardized infrastructure with interaction of various applications and services is needed to deploy the wireless power transfer technology. Therefore, it is necessary to develop a WPT based service framework in order realize various types of commercial services such as electric car charging system on public highway and outdoor charging system for wearable/mobile devices. This paper describes some of the use cases that should be considered and define a service framework consisting of various players in providing service control and charging policy for WPT based application and services.**

(Pt9)Keyword—**Wireless Power Transfer, Use case, Service Framework**

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