

Terrestrial analog TV ends in 2012 and the age of digital TV broadcasting begins!



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Press release

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KCC establishes national standards for NFC-based services.

Expected to lead international standard-making and stimulate the smart mobile industry

The National Radio Research Agency (NRRA, Director General, Dong-Hyung Lee) announced that their 'applet standard' and 'dongle interface standard' for NFC-based mobile touch payment services have been adopted as national broadcasting and communication standards (KCS).

※ Dongle: This is the I/O device for sending and receiving payment information via a smartphone with an NFC chip inside; it stores the security key or ID.

As this standard has become a KCS, it is possible that the development and spread of NFC services based on it will enhance the technical competitiveness of the country in addition to the convenience it offers consumers. Adoption of the standard also contributes to Korea's position as a leader of international standards.

The mobile touch service is a mobile payment service that allows you to apply mobile credit cards, coupons and memberships stored in the USIM card of the NFC-equipped phone to make payments at affiliated stores.

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1. When the cell phone with the mobile touch applet standard touches the dongle, it acquires credit card, coupon and membership information.
2. The mobile touch dongle interface standard is used to request payment with the credit card, coupon and membership information.

< NFC mobile touch service using process >

The establishment of this standard involved the three domestic mobile network service providers, i.e. SK Planet, KT and LG U+, and the opinions of the stakeholders were reconciled through the 'Korea NFC Standardization Forum,' which was founded to prepare NFC-related technical standards.

The 'Korea NFC Standardization Forum' was established in June 2011 to conduct application service and security standardization activities with the aim of preparing NFC-related standards. The businesses, private agencies and organizations like three mobile network operators, credit and transportation card companies, VAN companies, USIM manufacturers, solution providers, universities and related agencies (the Korea Internet Security Agency, the Telecommunications Technology Association, the Financial Security Agency, and the Korea Mobile Internet Business Association) are participating in this forum.

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As the NFC-based mobile touch service standard has been established, the user can use the integrated services of the telecommunications companies and their affiliated companies, such as the payment, coupon and ticket system, without dependence on any specific telecommunication company and affiliated company.

Also, the National Radio Research Agency said that many service providers, card companies, content providers and distributors, who want to use NFC terminals to provide mobile NFC payment service, will widely use it as the infrastructure technology.