Future Internet Public Private Partnership:
Second Usage Area Workshop
Brussels, 21 - 22 June 2010

Turkcell is a GSM and 3G mobile operator based in Istanbul and operating since 1994. It has been serving to more than 34 million customers and offering many mobile communications services along with traditional Voice and SMS. Among the value-added services, Mobile Signature, Mobile Finance, Digital Learning, Mobile Health, M2M (machine-to-machine), Internet and Communities, Content&Telco services can be listed. Mobile Marketing and Advertisement business vertical is another important aspects of Turkcell's service propostion to its customers, especially for enterprises. With introduction of 3G, Turkcell has been offering faster mobile Internet access to individual and corporate customers and it has been warmly welcomed by them as the mobility and fast Internet access provide them convenience and flexibility.

Along with this background, Turkcell has been very active in European R&D programmes such as FP7 and EUREKA CELTIC cluster. Since end of 2006, Turkcell has been part of 3 FP7 projects and 5 CELTIC projects including 1 project from Eurostars programme. As a result of this active participation, in June, 2008 Turkcell succeded to become latest member of CELTIC Core Group along with pioneers of well-known European R&D players.

Coming for the questions ;

1) One of the main use case and scenario for our intention is to large-scale implementation of "Internet of Things" over mobile broadband network covering different application areas such as machine to machine communication, remote metering, mobile health, energy savings, transportation and smart city services. The Core Future Internet Platform should let the telecom operator to easily and managed-way to deploy services and applications while end-users such as public bodies and municipalities could integrate themselves without a hassle. Considering machine to machine communication and remote metering, Turkcell plans to co-operate with municipalities on the matter and main aim will be to put ICT capabilities into core of the existing structures so that efficiency and rapidness would be achieved. This will help to reduce inefficient utilization of scarce natural resources and increase manageability, traceability and sustainability of the infrastructures.

2) Context awareness, sensor/actuator networks and managed mobile broadband capabilities are the key technological aspects of realizing our use case scenario which is stated draftly in previous question. Context information is a new enabler for telecom operators and it's believed to open up a new dimension while planning and offering a service to the end users.

3) Identified functionalities that we expect from the Core technology platform are security, billing&charging, platform/infrastructure as a service (PaaS, IaaS), application/end-user spesific customization, operation&maintenance, troubleshooting and management. Those are the vital and basic functionalities that would be supported from the scratch in order to achieve a better implementation of the solutions.

4) Experimentation environment should be put so close to end-user facilities in order to carry out very accurate field applications. If this cannot be provided due to logistics issues, remote infrastructure connection over Internet should somehow provided and field application spesific installments can be made easily at the end-user site. End-users such as the municipalities or citizens of a certain geographical area could easily touch and test the applications or services that is provided by means of Core Technology platform.

5) As Turkcell, we have been very keen on working together with public bodies and municipalities. We know what they need and how to co-operate with them to digitalise (networked) their traditional services while adding new applications and providing the flexibility and convenience of mobility. There has been some real examples of these but by means of Future Internet PPP, we expect to enlarge that cooperation at European level.

More details including a short presentation will be given during the Workshop.