

Service Name	WiMAX Network Application Services in Central Taiwan Science Park (CTSP)
Background & Motivation	<p>In the near future III will enter and be stationed in Jhonshin Advanced Research Park to boost development and deployment of smart-grid technologies. In addition, the project of DoIT/MOEA, "Established Communication System Integration Capability Research Project", was executed by III in 2010. So III takes this opportunity as a cut-in point to collaborate with Central Taiwan Science Park (CTSP). In Taichung Park, III constructed a WiMAX experimental network which based on domestic devices, on the one hand helps the developing the domestic research, technologies of wireless broadband network and application both, and on the other hand, by means of providing all kinds of wireless broadband applications field trial to further draw the outline of branch park development, especially the blueprints of wireless broadband construction and application services both in Jhonshin Advanced Research Park.</p>
Content	<p>At the present stage, CTSP WiMAX experimental field can provide broadband wireless Internet access, furthermore both of IP Surveillance & IPTV services which are integrated by diverse multimedia and real-time technologies can also be provided.</p> <ul style="list-style-type: none"> ● Guard officer can take advantage of IP surveillance service to remotely monitor Park conditions and ensure park security. ● IPTV possesses a television and internet technology capable of bringing many channels to a person at once. Park's colleagues, through the convenience of WiMAX network, can watch television on demand, satellite TV programs, music, news, life encyclopedia information and games etc.

Expected Performance	<p>IPTV service can be verified its good functions of communication and entertainment by means of function test in WiMAX experimental network. And after this verification, IPTV services can attract the cooperation of system operators to invest in developing more high-value services. Also all may avail of the good service of IP surveillances can be widely extended to government units, public enterprises and private enterprises. In conclusion, more scalable scheme can be extended, in the future, in Taichung Park field. WiMAX experimental network field can be planned to become an Intelligent Green Park (iPark), advancing toward has unlimited convenient and comfortable Smart LOHAS (Lifestyle Of Health And Sustainability) application service system.</p>
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