Mobile Node Pilot

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Abstract—**This paper talks about the current progress of the Mobile Node Pilot. It makes an introduction about the pilot itself and explains, somehow, the objetives and goals we have at the moment.**

I. INTRODUCTION

TH e main idea within the Mobile Node Pilot is to create a free transmission workstation that can be used in the urban space and contributes to the digital mesh through other networks.

The project will consist on creating a mobile wireless workstation that builds or fits in an existing telecommunications infrastructure. It will have to be an auto-configurable device and will have the capability to interconnect with a wide range of different hardware. Furthermore, it will be able to work in many different spaces and without the need of an ISP.

II. MAIN PHASES

- **Documentation**: This phase will consist of analyzing and study all the prototypes and tests that have been made and document them. In addition, a handbook can be written to explain how to use the mobile node in different environments and situations.

- **Active role in the second phase of the project**: The project is about to finish its first phase between December 2012 and January 2013. Afterwards it will start the second phase together with BuB4EU and, there, is where I will participate in a more active way. As this phase is not completely defined, it will be interesting to have the freedom to make proposals and do some tests that can provide the mobile node with any additional value that can be useful to make it more attractive for the final users.

- **Build my own Mobile Node**: This tasks can be really helpful for the development of this TFG. Having my own Mobile Node would let us make several tests and so, we would be able to propose some changes or improvements and test them before in order to accept or discard them.

III. CURRENT PROGRESS

What we have done so far, is to meet with our Mentor and to start investigating about the pilot by ourselves.

It is scheduled a test of the mobile node in December, in order to see how all the new features work. This event, will be perfect to physically know and see the device working. Afterwards, we plan to start an intensive period in which we want to progress a lot.