

Femto Forum Femtocell Industry Award 2009

Category 3: Progress in commercial deployment

1. Introduction

NEC is the market leader with several commercial contracts in place and a number of live trials underway with operators around the world.

NEC's femtocell solution, complete with gateway, access point and management systems is undergoing stringent testing and acceptance with operators and is ready for commercial deployment with operators now.

2. NEC Femtocell Solution

NEC is offering both IMS based and Iuh based solutions for the global market. The Iuh interface is currently based on the GAN standard which will be upgraded to Iuh once the standard is available. NEC plans to be the first to market with the Iuh based solution.

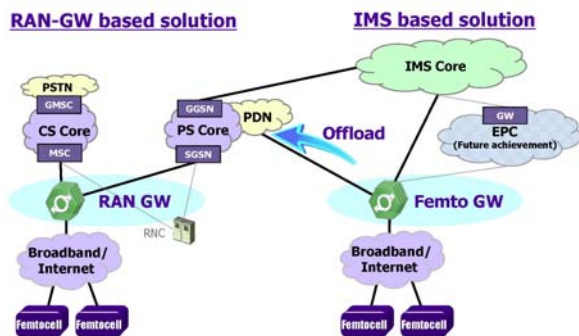


Figure.1 NEC's Femtocell Solution

3. Detail of deployment

NEC is working with the following operators on trials and commercial deployments: able to offer details of the contracts/engagements which are in public domain. However, for others NEC maybe able to share information once the operators have made public announcements regarding their plans.

- **SoftBank Mobile**
 - SoftBank Mobile and NEC have undergone a stringent Femtocell acceptance program and since 9th April 2009 have Femtocell Access Point (FAP) deployment applications for the public. Since late February, NEC has been conducting an external friendly user trial involving customers.
- **Contract 1&2**
 - NEC has signed two commercial contracts with a large global operators in Europe for deployment starting in mid 2009.
- **TDC**
 - NEC is currently conducting a friendly user trial with TDC in Denmark. The trial includes several APs deployed in the live network and the FGW connected to the live commercial network.
- **Friendly User Trial 1**
 - NEC is currently conducting a friendly user trial with a large operator in Europe. The trial includes several Access Pointss deployed in the live network and the Femtocell Gateway connected to a live commercial network.
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- **O2/Telefonica Europe**
 - NEC has completed lab and field trials with O2 in the UK.
- **Several other trials have also been completed in Europe**

4. Conclusions

NEC's complete femtocell solution is currently going through a formal acceptance program with operators as part of various commercial contracts leading to commercial launches in mid 2009. In addition, there are several trials underway in Europe and some are planned to start in the near future in Europe and other parts of the world (Russia, Middle East, Far East).

NEC's solution is undergoing testing with several operators under different conditions, resulting in a robust solution ready for commercial deployment in the key market segments – Residential and SME. In addition, NEC is able to produce significant number of Femtocells to support planned deployments in 2009 and beyond. NEC is working with operators to integrate its solution with the operators IT provisioning systems and OSS/BSS systems to support wider acceptance within operators.