

## **Technical Questions and discussions**

### **How WiMAX can Fare as a Backhaul Solution for WiFi on Trains?**

Properties of a Broadband Wireless backhaul

Discussion of Hot Spot architectures

-De-Centralized: Scalable WISP solutions

-Centralized: leveraging the Access Network

Key challenges such as QoS & mobility

### **Delivering Broadband Access for Trains thru WiMAX – What is Intel’s Vision?**

WiMAX is real and being deployed worldwide, with more than 100 trials set to be under way into 2006.

For more than a year, Intel has been working with the industry to deliver comprehensive platforms and services based upon WiMAX technology.

### **Mobile Networks and WiFi - Will WiMAX be Complementary or Competitive?**

Examine and differentiate the WiMAX 1a, 1d, and 1e standards; and look at technical developments with the equipment manufacturers that will affect service providers for WiFi on Train

### **Planning and Engineering Considerations for WiFi on Train Network Rollout?**

Even in the early stages, careful engineering and planning of Mobile Networks will be critical for several reasons. Operators should understand the network-wide effects of different features by simulations, before accepting the associated costs.

### **Data Rates and Radio Link Adaptation in WiMAX for Mobile Networks and WiFi on Train**

Modulation and coding in WiMAX; Comparison of data rates with GSM, UMTS and WiFi..

Ranging and link adaptation.

### **Will the WiMAX Testing and Certification be a hurdle in WiFi on Trains Rollout?**

Regulatory testing and approvals

The WiMAX Certification Scheme

Current status of the WiMAX certification

Roadmap to 802.16e certification and Final Roadmap for WiFi on Trains