

ATDI South Pacific is pleased to invite you to attend its WiMAX coverage capacity and spectrum planning workshop on Wednesday 19th September 2007 at Hanoi Horison Hotel, 40 Cat Linh Street, Hanoi Vietnam.

About ATDI South Pacific:

ATDI develops and markets tools for new generation wireless network design.

It is nomadic and mobile reception oriented (3G, DVB-H, mesh networks, 802.16d/e 2004/2005 WiMax...), and focuses on the convergence and complementarities of these technologies in the same planning environment. It analyses the network availability in outdoor / indoor, los / nlos situations, in order to quantify the quality of service for advanced broadcasting, data or VoIP applications.

About the international workshop leader:

Emmanuel Grenier, Area Chief Engineer, ATDI South Pacific (Sydney), has been deeply involved in 802.16 radio-planning issues since the birth of this standard. The diversity of his experience in wireless network design is internationally recognized (USA, Europe, and Asia). The LMDS years in the late 90's provided him with the strong knowledge in cartography, which is necessary for radio-planning. This knowledge has since extended to mobile and broadcasting technologies. His early collaboration in WiMAX deployments and DVB-H trials has made ATDI's planning tool ICS Telecom the first WiMAX compliant radio-planning tool (OFDM-256 and OFDMA), and the industry leader in SFN-COFDM planning.

Agenda:**WiMAX coverage, capacity and spectrum planning workshop.**

- **8.30am – registration**
- **9.00am – workshop starts**
- **WiMAX fundamentals and standardisation**
 1. WiMAX Interoperability
 2. 802.16: Capacity, Coverage, Cost
 3. Certification profiles, documents and processes
- **WiMax network components**
 1. The WiMAX base station
 2. WiMAX CPE or Mobile subscriber
 3. The link between the CPE/MS and its parent base station
- **Cartographic data for WiMax network design**
 1. Cartographic data as a calculation basis for WiMAX radio-planning
 2. Production/update of cartographic data
 3. Different cartographic datasets for different WiMAX planning methodologies
- **Discussions and coffee break**
- **WiMax network dimensioning**
 1. Assessing coverage analysis
 2. Frequency analysis
 3. Capacity analysis
- **The different flavours of WiMAX planning**
 1. WiMAX as a backhauling solution
 2. Fixed WiMAX OFDM-256: The CPE
 3. Nomadic WiMAX: from the outdoor to the indoor
 4. Mobile WiMAX OFDMA
- **12.00pm – workshop ends**

Free registration – Contact Mr Pascal Gelugne by email: pgelugne@atdi.com, by phone +61 2 9213 2200 or fax: +61 2 9213 2299