

ATDI South Pacific is pleased to invite you to attend its DVB-H coverage 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 DVB-H related 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:

DVB-H coverage and spectrum planning workshop

- **1.30pm – registration**
- **2.00pm – workshop starts**
- **DVB-H fundamentals**
 1. DVB-H as part of numerous TV to Mobile standards
 2. Technical references for DVB-H
 3. DVB-H PHY, MAC intricacies
- **Cartographic data for DVB-H network design**
 1. Cartographic data as a calculation basis for DVB-H network design
 2. Production/update of cartographic data
 3. Different cartographic datasets for assessing different planning issues
- **The DVB-H coverage and the back channel**
 1. Cut-off characteristics in analogue and digital systems, the minimum required median field strength
 2. Propagation modelling aspects
 3. Coverage analysis: service classes (ETSI(c)), usage scenarios (BMCO(c)), geomarketing aspects...
 4. About the need of a back-channel for interactive services
- **Discussions and coffee break**
- **MFN and SFN networks**
 1. The C/N threshold
 2. MFN mode: CINR according to rejection filters
 3. SFN mode: CINR requirements and interpretation
- **Migration aspects**
 1. Matching the analogue coverage with a digital service
 2. Spectrum: ensuring the compatibility between the services
- **5.00pm – 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