

# Introduction to Wireless Broadband Access Technology



## **Aim:**

This two day Learning event, sets-out to teach the basics of Wireless Broadband Access (WBA) Technology, in a methodical, straight forward, technical and easy to understand way. Telecommunications is the catalyst for growth of a Nation's economy and Wireless Broadband Access is opening up new opportunities, enabling new services to be delivered and generally pushing the envelope when it comes to speed of transmission and bandwidth availability for a customer. The course will help you understand the Acronyms, Jargon and gain a basic understanding of how Fixed Wireless Broadband Access and also Nomadic Wireless Broadband

Date:

Time: 0900-1700

Location:

Contact Person:

works.

The course looks at the technologies available at this time and those emerging in the not too distant future and how these will impact how we communicate.

## **Who Should Attend:**

The course is intended for all personnel, who need to have an understanding of Wireless Broadband Access technologies. The course is therefore ideal for Network Designers and Planners, O&M Engineers and Technicians, Marketing Personnel, Venture Capitalists, staff from SBO and FBOs, Equipment Manufacturers, Value Added Re-sellers, Dealers and Consultants.

## About the Course:

The course covers the following topics-

- The Evolution of Broadband
- What is Bandwidth?
- The Difference between Bandwidth (Hz) and Transmission Speed (bps)
- An Overview of Broadband Access Technologies –Cable and Wireless
- Understanding the Acronyms and Jargon etc.
- WiFi (IEEE 802.11b)
- IEEE 802.11 a-n
- MIMO
- WIMAX (IEEE 802.16)
- IEEE 802.20
- Nomadic Wireless Broadband (iBurst.....)
- ETSI standards
- Trends and the Future
- .....and much more



## About the Facilitator:



The Course Facilitator is John Shazell, who has 40 years experience in the ICT/Telecommunications Industry, of which 20 years has been spent in Training Engineers, Technicians and Industry professionals.

John has worked for British Telecom Plc., Cable & Wireless Plc., International Telecoms Union (ITU) and Ericsson AB.

He is now CEO of the Teleconsult group of companies, which are located in Singapore, Indonesia, Brunei Darussalam, Malaysia and SAR Hong Kong.

John has lived in the Middle East for 11 years and worked in SE Asia for the last 22 years. He therefore brings a wealth of local knowledge and experience into the learning experience, as well as a thorough understanding of the subject being taught.

John is the Vice President of the Association of Telecommunications Industry of Singapore (ATiS) and also an ExCo member of the Singapore Infocomms Technology Federation (SITF) and AmCham ICT Committee.

John has trained more than 12,000 persons in the regional Telco's and Private Sector organizations, covering Highways, Power Authorities, Oil / Petro-Chemical plants, new Housing Developments, Ports and Airports and Railway Authorities.