

# Mobile Networks Explained



Obtain a unique insight into modern networks, to be well equipped for the challenges ahead in mobile communications

Focusing on **GSM/GPRS**, but including **UMTS**, this course gives a comprehensive understanding of mobile network technology and operations, including **messaging, voicemail, WAP and location services. OSS, BSS, NMC**, the mobile market place, and the impact of WiFi and WiMAX complete the picture. All aspects are covered including **services and applications, transmission and switching** technologies, control, signalling and networking **Exercises and discussions** are used throughout to build the model of a typical network and operator strategies



## At the end of the training you will

- > State the main principles & requirements of modern cellular networks
- > Identify the main differences between radio systems (GSM, GPRS, EDGE, 3G W-CDMA (UMTS), HSPA, and LTE)
- > Describe the basic architecture and functionality of a cellular system
- > Describe the principles of Roaming, Billing, IN / CAMEL Services and Location-Based Services
- > Differentiate between technologies used in the access network & those used in the core
- > Understand the role that the mobile Internet is playing in modern networks.

## Who should attend

Anyone who requires a comprehensive overview of Mobile Networks...

- > OTA Administrators
- > OTA Maintenance
- > SMSC Administrator
- > Product Manager
- > Project Manager
- > SIM Manager
- > VAS Manager...

### Pre-requisites:

- > None required
- > This course is held in English

## Key topics

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| <ul style="list-style-type: none"> <li>&gt; Mobile Networks</li> <li>&gt; Radio &amp; Cellular Principles</li> <li>&gt; 3G W-CDMA &amp; HSPA</li> </ul> | <ul style="list-style-type: none"> <li>&gt; GSM &amp; GPRS</li> <li>&gt; Network Blocks &amp; Supporting Systems</li> <li>&gt; User Experience, Services, Applications</li> </ul> |
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