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by Mpirical.



Watch our course intro video.

Deploying Small Cells

Course Description

As small cells continue to be deployed in order to augment the service provider's RAN coverage, this course covers the main considerations associated with small cell solutions. This includes the benefits of small cell deployment, as well as the supporting architecture required. The course also discusses the remote management of small cells and also the requirements for the backhaul network, including synchronization and location.

This course has no prerequisites.

1

Day
(LiveOnsite, LiveOnline)

6

CPD Learning
Credits



Level: 2
(Intermediate)

This course will contain the following sections:

1. Introduction to Small Cells

Topic areas covered include:

- Small Cell Markets:
 - Example Deployments.
- Small Cell Benefits:
 - Home, Office, Public & Rural.
- Capacity or Coverage.

2. Deployment Options

Topic areas covered include:

- Consumer/Enterprise Self-Deployed.
- Operator Deployed Small Cells:
 - Targeted Capacity Hot-Spot.
 - Non-Targeted ('Peppered').
 - Outdoor and Indoor Coverage Not-Spots.

3. Synchronization and Location

Topic areas covered include:

- Assisted GNSS.
- Network-based Synchronisation:
 - NTP, PTP IEEE.1588 and NTR.
- Hybrid AGPS.
- Implementation Considerations.

4. Small Cell Backhaul

Topic areas covered include:

- Backhaul Technologies:
 - DSL, Fiber/GPN, HFC, Microwave, etc.
- Bandwidth Requirements.
- Pros and Cons of Different Systems.

1

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- Bespoke content and courseware development
- Product specific training packages, including product updates
- Dedicated trainers to understand your products and training requirements
- Managed training delivery services – administrative aspects including scheduling and liaison
- Customizable learning management system
- Traditional classroom, virtual classroom or video based online learning options

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