



# iBwave TRAINING COURSE SYLLABUS

## Capacity Planning Module

Note: Course syllabus is subject to change

### CAPACITY PLANNING THEORY

- ✓ Capacity Background
- ✓ Grade of Service / Quality of Service
- ✓ User Profiles
- ✓ Capacity Limits
- ✓ Sample Capacity Calculations
  - GSM
  - LTE

### CAPACITY PLANNING IN iBwave DESIGN ENTERPRISE

- ✓ Capacity Planning Process
- ✓ Capacity Definition (Template)
  - Market Share (Cellular and Wi-Fi Technologies)
  - Usage Profile
  - Subscriber Service
- ✓ Capacity Requirements (Project-specific)
  - Requirements
  - Sector Limits
  - Capacity Zones
- ✓ Creating Capacity Maps
- ✓ Probe Analysis for Cellular and Wi-Fi Systems
- ✓ Capacity Planning Exercises for Office Environments

### WORKSHOP – CAPACITY PLANNING FOR STADIUM ENVIRONMENTS

- ✓ Set Capacity Criteria Based on Given Assumptions
- ✓ Set Number of Spectators, Usage Profiles and Subscriber Settings
- ✓ Determine Data Rate (Throughput for Cellular)
- ✓ Use Capacity Maps for Analysis and Design Validation
- ✓ Modify Network Design to Provide Adequate Capacity

### CAPACITY WEBINARS

- ✓ HetNet Capacity Planning Demo
- ✓ How to Design High Capacity Wi-Fi Networks
- ✓ iBwave Wi-Fi® Capacity Planning Demo
- ✓ iBwave Wi-Fi® Capacity Planning Demo - Portuguese Version
- ✓ iBwave Wi-Fi® Capacity Planning Demo - Spanish Version