

TK215: GSM KPI

Duration

2.0 Days

Course Content

1. Introduction to GSM performance evaluation

- 1.1. Goals of performance evaluation
- 1.2. Performance measurement and data collection
- 1.3. Analyzing measurement
- 1.4. Traffic theory

2. GSM Signaling

- 2.1. Air interface structure and Logical channels
- 2.2. Protocol stack on air interface
- 2.3. Protocol stack on Abis
- 2.4. Protocol stack on A
- 2.5. Location update
- 2.6. Immediate assignment procedure
- 2.7. Assignment procedure
- 2.8. Handover
- 2.9. Mobile originating and terminating call
- 2.10. Paging
- 2.11. Timers

3. Key performance indicators

- 3.1. Introduction to KPI
- 3.2. CH KPI
- 3.3. SDCCH KPI
- 3.4. Handover KPI
- 3.5. Traffic KPI
- 3.6. TCH drop analysis
- 3.7. SDCCH drop analysis
- 3.8. Handover Drop analysis