TK315: UMTS KPI

Duration

2.0 Days

Course Content

1. UMTS Network.

- 1.1. Quality in UMTS Networks
- 1.2. UMTS Evolution
- 1.3. UMTS Protocols
- 1.4. Performance Data
- 1.5. Key Performance Indicators

2. Call/Connection Analyses

- 2.1. Service Concept, Call Establishment, and Call Release
- 2.2. PS Traffic in UTRAN and Examples of practical protocol trace
- 2.3. NAS Procedures

3. Mobility

- 3.1. Handover Types and Measurements
- 3.2. Soft and Hard Handover
- 3.3. SRNC Relocation
- 3.4. HO Parameter Verification

4. Quality

- 4.1. Resources in UTRAN
- 4.2. ATM, Throughput measurements, and Radio Measurements

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4.3. Codes, Quality, and Load-related KPI

4.4. Air Interface Quality and Load Verification

5. HSPA

5.1. General Aspects; HSDPA and HSUPA

5.2. Examples of practical protocol trace

6. Optimizing UTRAN

6.1. General Aspects

6.2. Idle Mode

6.3. Connected Mode

6.4. Interworking with GSM

6.5. Site Configuration Analysis

6.6. HCS

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