

SIP Signaling (TK631)

Prerequisites

Participants should have:

- Basic knowledge of telecommunications
- Profound knowledge of TCP/IP and Voice over IP

Target groups

Service specialists or System engineers

Duration

2.0 days

Course Content

SIP OVERVIEW

- Fundamentals of how SIP works
- Session description protocol (SDP)
- Security considerations
- HTTP and SMTP, SIP
- SIP extended features and services
- Interworking with PSTN
- Service creation issues
- Basic call features
- Quality of Service issues

SIP SYSTEM OPERATIONS

- SIP Parameters
- Protocols
- User Agents
- Call Processors
- Customer Status
- Address Tracking
- Call Forwarding

SIP PROTOCOL OPERATION

- Client/Server transactions
- Proxy servers
- SIP messages
- Transport layer
- Session Description Protocol (SDP)
- SDP packets

SIP ENTITIES

- SIP Clients
- SIP as a peer-to-peer protocol
- User Agents (UAs) as the peers in a session
- User agent client (UAC)
- User agent server (UAS)
- SIP Servers

SIP MESSAGES

- Message Types
- Message Parts
- Message Samples
- Requests
- Responses
- Header Fields
- Bodies