

EPC Transmission Network Planning

The new Evolved Packet System is an all IP Network and a major step towards Next Generation Networks. For engineers and technicians this presents a whole set of new challenges, for example the decision about the Transport Network Structure and how to dimension the new X2 interface.

Also new Security issues arise, as on how to protect the data. Another challenge is the implementation of QoS in the SAE Transmission Network. In this training we cover the essential issues regarding SAE Transmission Network Planning and provide you with the relevant information on how to plan the SAE Transmission Network with possible options and features.

Target Group / Requirements

Technical staff of mobile operators working in the Transmission Network (planning, configuration and trace management team), who wants to improve its knowledge about how to plan and dimension the Transmission Network.

Course Content

Capacity Planning

- EPS All-IP Network
- Migration scenarios from R99 to R8
- Usage scenarios for expected PDN traffic
- Interface dimensioning for X2, S1, S5, S11

Transport Network Architecture

- Carrier Ethernet
- VLAN concepts (E-LINE and E-LAN)
- MPLS concepts
- IPv6 features and challenges

Transport QoS

- Traffic conditioning
- Queuing concepts
- Differentiated Services
- Integrated Services

Course Duration:

2 days

Course Number:

NW1251

Requirements:

IP and Mobile Network Basics

Transport Security

- Security threats in R8
- Key Security Architecture
- IP Sec in SAE

IP Addressing

- Current addressing concepts (IPv4)
- Future situation (IPv6)

Future demands on Transport Networks

Certification

- Certificates are given to all participants at the end of the course about the successful completion.

Course Registration:

Please contact us via

- phone: +49 89 1894354-405
- email: training@tfk-technologies.de or
- via our website <https://skilleap.com/courses>

You will receive a confirmation of your registration. We can also advise you concerning the best combination of course contents.

For clients with special requirements the optimal training concept can be customized. Modules from our training portfolio can be combined to meet your company-specific needs.