

5G Security

This course describes the most important 5G security features which are defined in 3GPP standards and describes possible attack scenarios.

Target group / Prerequisites

Engineers and technicians which know 5G and LTE radio and core network technologies.

Course contents

Introduction

- 5G Security introduction
- 3GPP 5G-Security specifications
- 5G Security threats
- 5G-Security architecture

5G NR Security

- Protection of subscriber identity
- AKA (Authentication-and Key Agreement) and Protection
- Attack examples
- Security for the connection to LTE

5GC Security

- Security related to NRF
- Security in Roaming Scenarios
- Slicing and Non-Public Networks (NPN)
- Authentication and Key Management for Applications (AKMA)
- Function of the Service Communication Proxys (SCP)
- Network-and Data analytic function (NWDAF)

Certification

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

Duration:

2 days

Course number:

NW1266

Prerequisites:

Very good knowledge of
LTE and 5G

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.