# LM8. Cellular Network Security

### Overview

In this module, we study the security issues on the infrastructure side of the cellular network.

### To Do List

* 1. Go through LM 8 Learning Material. Use the slides as the guide.
  2. Quiz 3 - test your understanding questions (multiple choice and true/false) on LM8- must be completed by **3/18** **11:59pm**.

### Learning Outcomes

After this module, student will be able to:

* Describe the security vulnerabilities present in 1G cellular network
* Describe the security architecture of GSM (core network and access network)
* Describe the existing issues in GSM security
* Discuss the security improvement of 3G and 4G LTE network comparing to GSM
* Describe the security features of UMTS (3G) and LTE (4G)
* Briefly describe Network Access Security and Network Domain Security
* Discuss the attacks on 3G and 4G network