



# Welcome to embedded SIM (eSIM)

5G\_121d | On-Demand | 5G Core | ⚙️

Course Duration: 1 hour

Subscriber Identity Modules (SIM) have evolved a long way and embedded SIM (eSIM) has become an essential component of 5G device enablement, especially with proliferation of massive IoT (massive Machine Type Communication - mMTC) devices. This training provides an evolution from SIM to USIM to eSIM, an architecture of eSIM/eUICC, and describes a few use cases for both consumer and M2M devices.

## Intended Audience

This training is designed for a broad audience of personnel working in the wireless industry.

## Objectives

After completing this course, the learner will be able to:

- Define eSIM and sketch evolution path from SIM to eSIM
- Sketch eSIM architecture framework for Remote Service Provisioning (RSP)
- Describe eSIM solution for Consumer and M2M
- Walk through the role of eSIM in use cases such as dual subscription, roaming, etc.

## Course Prerequisites

No Prerequisites

## Outline

1. eSIM - What and Why?
    - 1.1 Evolution from SIM to eSIM
    - 1.2 What is an eSIM?
    - 1.3 eSIM benefits and drawbacks
    - 1.4 Physical SIM vs. eSIM
  2. eSIM Architecture and Remote Service Provisioning
    - 2.1 RSP and eSIM architecture modules
    - 2.2 eSIM solution security
  3. eSIM Use Cases
    - 3.1 eSIM use cases
- Putting It All Together