

RCS-e / joyn Basics

For a long time, IP Multimedia Subsystem (IMS) was nothing more than just a revolutionary idea to move all existing teleservices, including telephony to the PS domain of the mobile network and to create a vast variety of brand new teleservices totally based on end-to-end IP connectivity.

Today, thanks to Rich Communication Suite-enhanced (RCS-e) initiative, there is a clear path and agreement on how to turn IMS into practice. RCS-e ensures that the same initial subset of IMS services will be introduced by all operators, infrastructure and terminal vendors and will work smoothly also in inter-operator scenarios.

The course explains RCS-e services, underpinning IMS architecture and basic procedures and their impact on existing operator infrastructure.

Target audience

The course is intended for those who want to extend their knowledge about mobile network with basic aspects of RCS-e services, functionality and architecture. The detailed description of technical solutions is not included in the course.

Training contents

- **Introduction**
(standardisation: IETF, 3GPP, OMA, GSMA, joyn – a common trade/service mark),
- **RCS-e services**
(RCS R1-R5 services, RCS-e mandatory services, RCS-e optional services),
- **IMS overview**
(basic architecture components, addressing and routing principles, traffic cases, IPX, security).
- **Services (functional description & technical overview)**
 - Capability discovery, Address Book and Presence Service
 - Chat, messaging and file transfer
 - Image Share and Video Share
 - Telephony
- **Multi device environment**
- **Auto-configuration and auto provisioning**

Prerequisites

The participants should be familiar with basic aspects of mobile network architecture and services.

Training method

Lecture

Duration

1 day

Level

Basic