



# **Charging System 3.0**

## Training Programs

Package Description



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## 1 Introduction

Ericsson has developed a comprehensive Training Programs service to satisfy the competence needs of our customers, from exploring new business opportunities to expertise required for operating a network.

The Training Programs service is delineated into packages that have been developed to offer clearly defined, yet flexible training to target system and technology areas. Each package is divided into flows, to target specific functional areas within your organization for optimal benefits.

## 2 Why invest in Charging System 3.0 Package?

At Ericsson, we've worked with hundreds of operators and Service Providers worldwide and we are in a strong position to help with competence build. Ericsson can identify your training needs and then select the right training package to provide the competencies required for a successful and profitable future

### Benefits

- **Faster time to revenue**

Through gaining knowledge on how the Charging System solutions work and are positioned, the operators' business strategies engage with the network's full capabilities

- **Increased performance**

Easy, quick and compact competence build up for Charging System 3.0

- **Minimal risk**

Ericsson's vast industry knowledge and experience is available through appropriate training

- **Organizational effectiveness**

Clear and continuous training strategies to motivate staff and provide opportunities for long term business success

## 3 What's in the Charging System 3.0 Package?

The following section describes each of the flows in details. Each flow states the prerequisite knowledge. The course flows are focusing on the following job categories.



**Fundamentals**  
- Fundamentals

**Customer Management**  
- Customer Care Administrator

**Operations Centre**  
**Front Office**  
- System Technician  
- Service Technician  
**Back Office**  
- System Engineer  
- Service Engineer

**IS/IT Support**  
- System Administrator

## 4 Fundamentals

### 4.1 Charging System 3.0 Overview FAB 102 2115

This flow gives an introduction to the Charging System 3.0 for those who are working in the area or are interested to know more.

#### 4.1.1 What is achieved by attending the Flow

By attending the flow, students will gain knowledge of Charging System 3.0 and in particular, be able to:

- Explain the components, their function and interaction
- Explain the concept of Convergent Charging with relation to architecture, offerings and market situation

#### 4.1.2 Rationale for Flow design

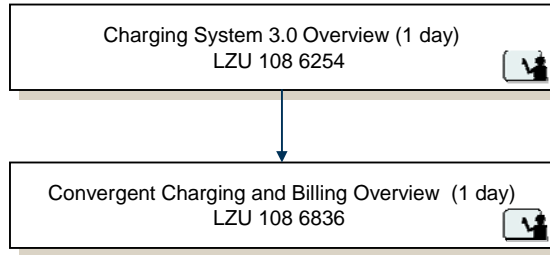
This flow is necessary for all those that need an introduction to the Charging System 3.0.

#### 4.1.3 Prerequisites

There are no prerequisites for this flow.



### 4.1.4 Training Flow



## 4.2 Charging Control Node (CCN) Overview FAB 102 2116

This flow gives an introduction to the Charging Control Node (CCN) for those who are working with the product or are interested to know more.

### 4.2.1 What is achieved by attending the Flow

By attending the flow, students will gain knowledge of CCN node and in particular, be able to:

- Describe the functions of the CCN
- Describe how charging occurs with relation to the CCN

### 4.2.2 Rationale for Flow design

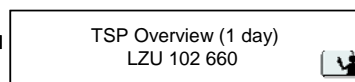
This flow is necessary for all those that need an introduction to the Charging Control Node (CCN).

### 4.2.3 Prerequisites

Participants should have attended the Charging System 3.0 Overview course (LZU 108 6254) and have TSP knowledge prior to attending this.

### 4.2.4 Training Flow

(This course is for TSP 4 release, used up to CS 3.0 FD4 release)

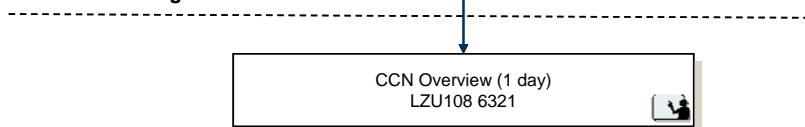


or



(This course is for TSP 5 release, used from CS 3.0 FD5 release)

Prerequisite Knowledge





## **5 Customer Care**

### **5.1 Charging System 3.0 – Customer Management FAB 102 1687**

The flow targets the needs of business management in their use of the Charging System 3.0. Other participants who might benefit from this training are IT staff and network support staff.

#### **5.1.1 What is achieved by attending the Flow**

By attending the flow, students will gain the skills to help them deal efficiently with their customers, in particular to be able to:

- Describe the function of MINSAT, customer care role and Charging System 3.0 node interworking
- Use the GUI to perform operations on subscriber accounts

#### **5.1.2 Rationale for Flow design**

This flow fulfills competence to cover customer care tasks in an efficient way.

#### **5.1.3 Prerequisites**

There are no prerequisites for this flow.

#### **5.1.4 Training Flow**

Charging System 3.0 MINSAT Customer Care (1 day)  
LZU 108 6255

## 6 Operations Center

### 6.1 Charging Control Node (CCN) Operation FAB 102 2177

This flow provides the students with knowledge about the uses and configuration procedures of the Charging Control Node (CCN). The flow explains the CCN network context, introduces the CCN configuration application and previews the range of available statistics.

#### 6.1.1 What is achieved by attending the Flow

By attending the flow, students will learn:

- How to use the CCN Manager Application
- Obtain CCN statistics
- Monitor and maintain the CCN node operations

#### 6.1.2 Rationale for Flow design

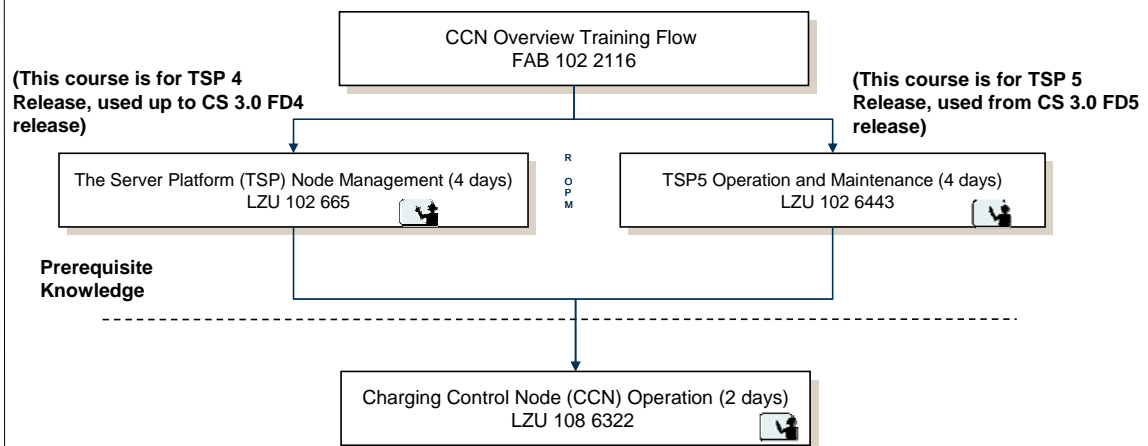
This flow exists to education the network operations staff, by:

- Learning and understanding the platform that the CCN is based on
- Describe the features and function of the CCN

#### 6.1.3 Prerequisites

Attendance of TSP Overview and Operation or Node Management courses such as LZU 102 665, plus attendance of Charging Control Node (CCN) Overview, LZU 108 6321

#### 6.1.4 Training Flow





## 6.2 **Charging System 3.0 – Tariff Handling FAB 102 2118**

By attending the flow the students will be able to handle the Charging System 3.0 network, in a more efficient way by being able to:

- Handle and execute Tariff handling tasks
- Configure the Account Management structure

### 6.2.1 **What is achieved by attending the Flow**

By attending the flow, students will learn to:

- Explain and configure tariffs based on Community Charging Support
- Enable enhanced USSD Notifications to the subscriber
- Configure the Account Management Structure

### 6.2.2 **Rationale for Flow design**

This flow exists to education the operations staff by:

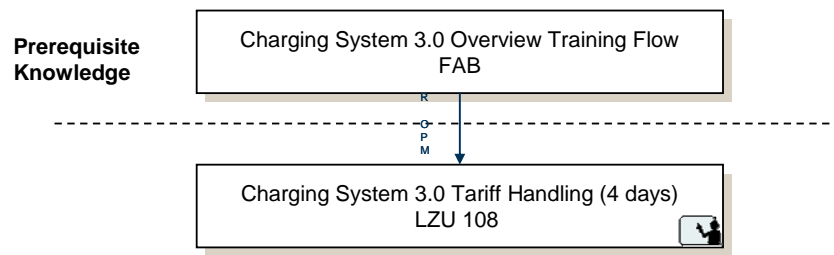
- Describing the theory behind necessary need-to-know skills
- Giving practice on configuration

### 6.2.3 **Prerequisites**

The participants should be familiar with implementing tariffs and service class using the SDP TMA and SMA tools or they should have successfully completed either of the following courses:

- PrePaid System (PPS) 3.4 Tariff Handling LZU 108 5904
- PrePaid System (PPS) 3.5 and 3.6 Tariff Handling LZU 108 6064
- Charging System 3.0 Overview LZU 108 6321

## 6.2.4 Training Flow



## 6.3 Charging System 3.0 – System Administration FAB 102 2119

### 6.3.1 What is achieved by attending the Flow

By attending the flow the students will go learn about System Administration tasks so to:

- Configure nodes to provide the service
- Be familiar with system administration tasks and handling of nodes

### 6.3.2 Rationale for Flow design

This flow exists to education the operations staff by:

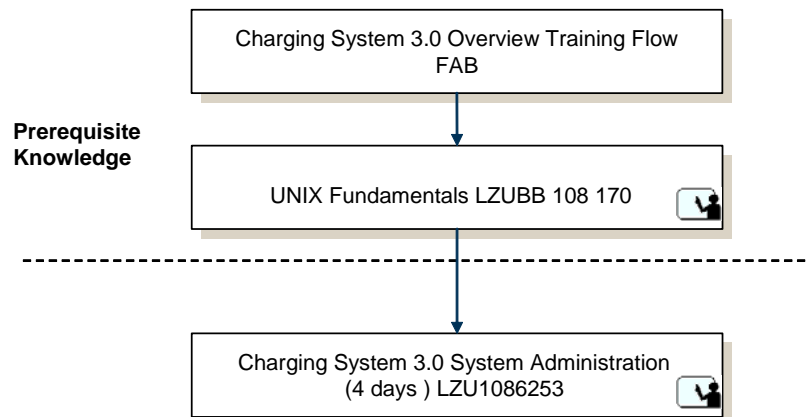
- Describing the key features, operations and handling routines for each node
- Giving practice on configuration

### 6.3.3 Prerequisites

The participants should be familiar with the network architecture and features of Charging System CS 3.0 and they must be able to use UNIX commands. This knowledge could be gained from experience or by attending the following courses:

- Charging System 3.0 Overview, LZU 108 6254
- UNIX Fundamentals LZUBB 108 170

### 6.3.4 Training Flow



## 7 IS/IT Support

### 7.1.1 What is achieved by attending the Flow

By attending the flow the students will go learn about System Administration tasks so to:

- Configure nodes to provide the service
- Be familiar with system administration tasks and handling of nodes

### 7.1.2 Rationale for Flow design

This flow exists to education the operations staff by:

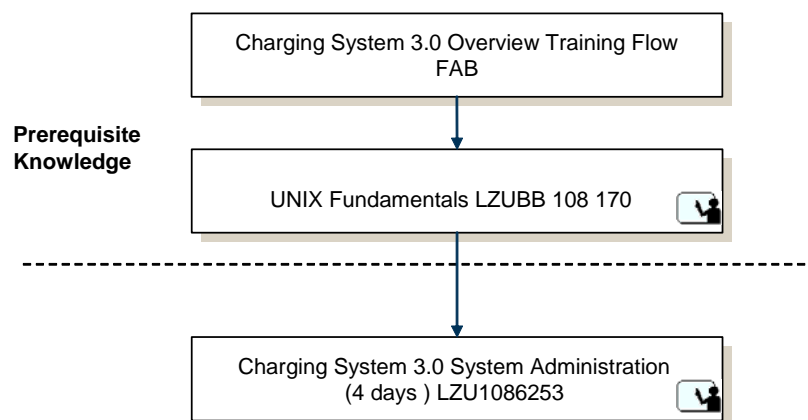
- Describing the key features, operations and handling routines for each node
- Giving practice on configuration

### 7.1.3 Prerequisites

The participants should be familiar with the network architecture and features of Charging System CS 3.0 and they must be able to use UNIX commands. This knowledge could be gained from experience or by attending the following courses:

- Charging System 3.0 Overview, LZU 108 6254
- UNIX Fundamentals LZUBB 108 170

### 7.1.4 Training Flow





## 8 Related training packages

[Package Description - DWS](#)

[Package Description - Multi Mediation 5.0](#)

[Package Description - SACC](#)

[HP Media Platform \(OCMP\) administration training](#)