Package Presentation

Mobile Softswitch Solution (MSS) R6.0

Training Programs

Why invest in Mobile Softswitch Solution (MSS) R6.0 Package

- **The package is divided into modular flows for each work area and each node that is affected by the introduction of the MSS R6.0 solution. Combinations of these flows exactly match the job functions at the operator.**

- **The modularity of the portfolio ensures the shortest time for competence build-up of each target group**

- **The training flows are valid for personnel coming newly into the area of MSS Blade Cluster as well as for experienced personnel in need of the “Delta” information for the new release or new functionality compared to R5 releases.**

- **The training flows provide a career model from basic to advanced and also specialized competence.**

What’s in the MSS R6.0 Package?

Datacom Fundamentals

Introduction to IP Networks WBL

ATM Fundamentals

GSM/WCDMA/MSS Fundamentals

GSM Network Fundamentals

GSM Network Fundamentals WBL

WCDMA Network Fundamentals

WCDMA Network Fundamentals WBL

Mobile Softswitch Solution Fundamentals

MSC-S R14.0 Blade Cluster Fundamentals
MSC-S Blade Cluster Fundamentals WBL

Delta Training

MSC-S R14.0 Delta

M-MGw R6.0 Delta

APG43 Delta

Network Operation and Configuration

AXE Blade Cluster Operation

MSC-S R14.0 Blade Cluster Operation & Configuration (3 Different Entry levels)

APZ 212 60 Operation

Mobile Media Gateway (M-MGW) R6 Operation and Configuration

APG 43 Operation and Configuration

MSS R6 Signaling

MSS VoIP Interworking

Sigtran Introduction

Data Transcript Workshop

TFO/TrFO Introduction

End to End Feature Solutions

MSS Troubleshooting

Network Development

MSS R6.0 Statistics Handling

Supported Service Delivery Methods

Icon	Delivery Method
	Instructor Led Training (ILT)
	Seminar (SEM)
	Workshop (WS)
	Virtual Classroom Training (VCT)
	Web Based Learning/eLearning (WBL)
	Structured Knowledge Transfer (SKT)

Datacom Fundamentals

- FUNDAMENTALS -

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Introduction to IP Networks WBL

Networking Basics, An Overview (2,5 hours WBL)
LZU 108 5940 R2A

Networking and Ethernet Standards (2,5 hours WBL)
LZU 108 5941 R2A

IP Networking and Internetworking (2,5 hours WBL)
LZU 108 5942 R2A

IP Network Applications (2,5 hours WBL)
LZU 108 5943 R2A

Access Networks, An Overview (2,5 hours WBL)
LZU 108 5944 R2A

And

Core Networks, An Overview (3 hours WBL)
LZU 108 5945 R2A

ATM Fundamentals

Prerequisite Knowledge

Knowledge of IP Fundamentals

ATM & IP over ATM (3 days ILT)
LZU 108 6129 R1A

Or

ATM & IP over ATM (3 days VCT)
LZU 108 6129/9 R1A

GSM / WCDMA / MSS
- FUNDAMENTALS -

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GSM Network Fundamentals

GSM System Survey
(4 days ILT) LZU 108 852 R9A

GPRS System Survey
(2 days ILT/VCT) LZU 108 876 R7A

OSS-RC Overview
(1day ILT/VCT) LZU108 6863 R2A

Optional:

GSM BSS 07 RBS 2000 Basics
(1 day ILT/VCT) LZU 108 6883 R2A)

GSM Network Fundamentals WBL

GSM Radio Network Overview
(3 hours WBL) LZU 108 6235 R2A

OSS-RC Overview
(3 hours WBL) LZU 108 6231 R2A

GPRS Overview
(3 hours WBL) LZU 108 3944 R2A

Note: GSM Network Fundamentals WBL is intended to compliment the GSM Network Fundamentals Bended Training

WCDMA Network Fundamentals

Ericsson WCDMA System Overview
(2 days ILT or VCT) LZU 108 5418 R7A

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GPRS System Survey (2 days ILT or VCT)
LZU 108 876 R7A

Note: The order of the courses is the recommended one, but in fact the courses could be taken in any order.

WCDMA Network Fundamentals WBL

WCDMA Radio Access Network Overview
(3 hours WBL) LZU 108 5202 R3A

GPRS Overview (3 hours WBL)
LZU 108 3944 R2A

WCDMA Traffic Cases (2 hours WBL)
LZU 108 5196 R1A

OSS RC Overview (3 hours WBL)
LZU 108 6231 R2A

Note: WCDMA Network Fundamentals WBL is intended to compliment the WCDMA Network Fundamentals Bended Training

Mobile Softswitch Solution Fundamentals

Prerequisite Knowledge

Basic Telecommunication Knowledge

MSS R6 Survey
LZU 108 7687 R1A

MSC-S R14.0 Blade Cluster Fundamentals

Prerequisite Knowledge

MSS R6.0 Survey LZU108 7687 R1A
Recommended
IS 2.0 Overview LZU1087085 R1B

MSC-S R14 Blade Cluster Overview (1 Day ILT)
LZU 108 7681 R1A

MSC-S Blade Cluster Fundamentals WBL

Prerequisite Knowledge

MSS R6.0 Survey LZU108 7687 R1A
Recommended
IS 2.0 Overview LZU1087085 R1B

MSC-S Blade Cluster Overview (1 Hour WBL)
LZU 108 7682 R1A

MSS R6.0

- DELTA TRAINING -

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MSC-S R14.0 Blade Cluster Delta

Prerequisite Knowledge

MSC-S R14.0 Blade Cluster Fundamentals
Recomended
AXE Blade Cluster Operation and Configuration

MSC-S R14.0 Blade Cluster Delta (3 day ILT)
LZU 108 7683 R1A

M-MGW R6.0 Delta

Prerequisite Knowledge

Knowledge and experience in working with previous versions of the respective nodes

M-MGw R6.0 Delta (half- day ILT)
LZU 108 7689 R1A

APG43 Delta

Prerequisite Knowledge

Knowledge and experience in working with different versions of APG40

APG43 Delta (1 day ILT)
LZU 108 6867 R2A

MSS R6.0

- NETWORK OPERATION AND CONFIGURATION -

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AXE Blade Cluster Operation

Prerequisite Knowledge

Integrated Site 2.0 Overview (1 day ILT) LZU 108 7085 R1B
Integrated Site 2.0 Operation & Configuration (3 days ILT)
LZU 108 7086 R1B

AXE Blade Cluster Operation and Maintenance (3 days ILT)
LZU 108 7258 R2A

MSC-S R14.0 Blade Cluster Operation & Configuration Entry Level – No AXE Knowledge

Prerequisite Knowledge

MSC-S R14.0 Blade Cluster Fundamentals

MSC-S R14.0 Blade Cluster Operation (4 days ILT) LZU 108 7684 R1A

MSC-S R14.0 Blade Cluster Configuration (5 days ILT) LZU 108 7685 R1A

Note: Ericsson Education offers completing the competence development of the operator in the area of operating a MSC or MSC-S by delivering a Structured Knowledge Transfer (SKT) Service on-site. For more information on SKT please refer to

http://www.ericsson.com/products/services/training/skt.shtml

MSC-S R14.0 Blade Cluster Operation & Configuration Entry Level – No MSC Knowledge

Prerequisite Knowledge

MSC-S R14.0 Blade Cluster Fundamentals

MSC-S R14.0 Blade Cluster Configuration
(5 days ILT) LZU 108 7685 R1A

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http://www.ericsson.com/products/services/training/skt.shtml

MSC-S R14.0 Blade Cluster Operation & Configuration Entry Level – No MSC-S Knowledge

Prerequisite Knowledge

MSC-S R14.0 Blade Cluster Fundamentals

GSM/WCDMA MSC-S Configuration(2 days ILT)
LZU 108 7514 R1A

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http://www.ericsson.com/products/services/training/skt.shtml

APZ 212 60 Operation

Prerequisite Knowledge

MSC-S R14.0 Blade Cluster Operation & Configuration – Entry Level
Or
MSC-S R14.0 Blade Cluster Delta

APZ 212 60 Operation & Maintenance (2 days ILT)
LZU 108 7561 R1A

Mobile Media Gateway (M-MGW) R6 Operation and Configuration

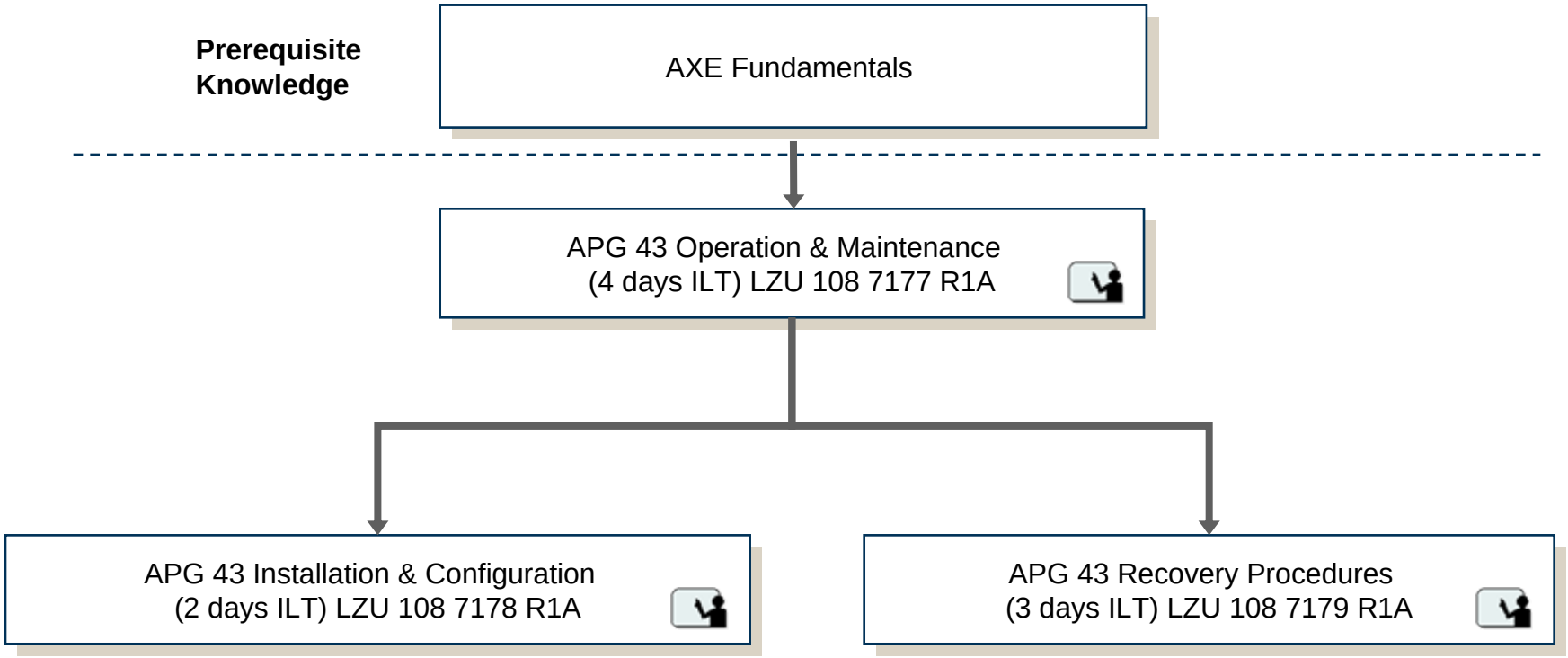
Prerequisite Knowledge

IP Fundamentals
MSS R6.0 Survey LZU108 7687 R1A

CPP Node Features and Functions
(1 day ILT or VCT) LZU 108 6116 R7A

M-MGW R6.0 Operation & Configuration
(4 days ILT) LZU 108 7690 R1A

APG 43 Operation & Configuration



MSS R6 Signaling

Prerequisite Knowledge

MSC-S R14.0 Blade Cluster Fundamentals

Signaling in the Core Network – Classical Architecture
(3 days ILT) LZU 108 7518 R1A

Signaling in the Core Network – Mobile Softswitch Solution
(3 days ILT) LZU 108 7519 R2A

Sigtran Introduction

Prerequisite Knowledge

Competence in SS7 signaling and configuring signaling in an MSC/MSC-S or HLR node.

MSS SIGTRAN Workshop (2 day ILT)
LZU 108 7654 R1A

MSS VoIP Interworking

Prerequisite Knowledge

IP Fundamentals and
Working experience with MSC-S and M-MGw
up to at least MSS R5 level.

Attendance at the MSC-S R14.0 Blade Cluster Delta
and M-MGw R6.0 Delta
courses are recommended.

SIP/SIP-I in MSS R6 (1 day ILT)
LZU 108 7688 R1A

MSS VoIP Interworking (1 days ILT))
LZU 108 6815 R3A

Data Transcript Workshop

Prerequisite Knowledge

Students should complete either
MSC-S R14.0 Delta, LZU 108 7683 R1A.
Or
MSC-S R13.1 Blade Cluster Configuration
(5 days ILT) LZU 108 7373 R1A

Blade Cluster Data Transcript Workshop (2 day ILT)
LZU 108 7695 R1A

TFO/TrFO Introduction

Prerequisite Knowledge

Extensive working experience in the areas of Core Network Design, Configuration Management or Performance Management

TFO/TrFO Interworking Introduction (1 day ILT)
LZU 108 6596 R2A

End to End Feature Solutions

Prerequisite Knowledge

Extensive working experience in the areas of Configuration Management

GSM/WCDMA MSC in Pool Introduction (1 day ILT)
LZU 108 7423 R1A

MSS Troubleshooting

Prerequisite Knowledge

GSM MSC/MSC-S R13.2 Operation & Configuration
Or
WCDMA MSC/MSC-S R13.2 Operation & Configuration
or
Mobile Media Gateway (M-MGW) R5 Operation and Configuration

MSS Troubleshooting Techniques (3 days ILT)
LZU 108 7653 R1A

MSS R6.0

- NETWORK DEVELOPMENT -

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MSS 6.0 Statistics Handling

Prerequisite Knowledge

MSC-S R14.0 Blade Cluster Operation & Configuration – Entry Level
or MSC-S R14.0 Delta
and Mobile Media Gateway (M-MGW) R6 Operation and Configuration
and
Basic OSS-RC knowledge
and
Ericsson Network IQ Overview LZU 108 7156 R1A
Or SDM competence

MSS Performance Management (2 days ILT)
LZU 108 7691 R1A

Related training packages

The following related training packages can be found at
http://www.ericsson.com/solutions/learning/find_training.shtml

- WCDMA RAN P7 (including OSS-RC R5)
- Ericsson IP Multi Media Subsystem (IMS) Solutions
- Charging System 4.0
- Mobile Packet Backbone Network (M-PBN)
- Service Aware Charging and Control (SACC)

- The following Education Services can be found at
http://www.ericsson.com/products/services/training/learning_solutions.shtml
  - Learning Solutions
  - Structured Knowledge Transfer (SKT)

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