

# Mobile Packet Backbone Network

## Training Programs



# Why invest in Mobile Packet Backbone Network Package

- **M-PBN guarantees end-to-end IP network performance and quality of service enabling operators to take full advantage of what IP based products can offer in terms of functionality and cost of ownership. The M-PBN Training Package provides the competence to leverage on the verified M-PBN reference design.**
- **The modularity of the portfolio ensures the shortest time for competence built-up.**
- **The training flows are valid for personnel coming newly into the area of M-PBN as well as for experienced personnel in need of the “Delta” information for the new release, ranging from IP training up to each module of the M-PBN reference design.**

# What's in the Mobile Packet Backbone Network Package?

## Target Audience & Competence Levels

### **Fundamentals**

IP, ATM, Datacom

### **Delta Training**

M-PBN R5.1

Delta

M-PBN R6.0

Delta

### **Network Development**

M-PBN R5.1 Concepts

M-PBN R6.0 Concepts, Juniper Track

M-PBN R6.0 Concepts, Redback Track







M-PBN R6.1 Juniper Track

M-PBN R6.1 Redback Track

M-PBN R7.0 Juniper Track

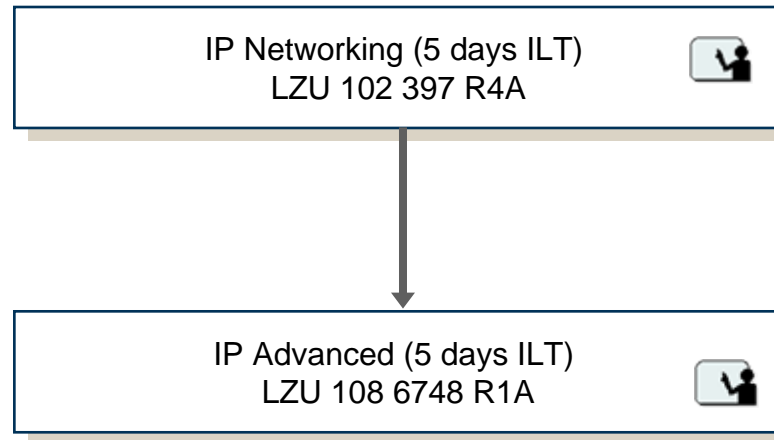
M-PBN R7.0 Redback Track

# Supported Service Delivery Methods

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

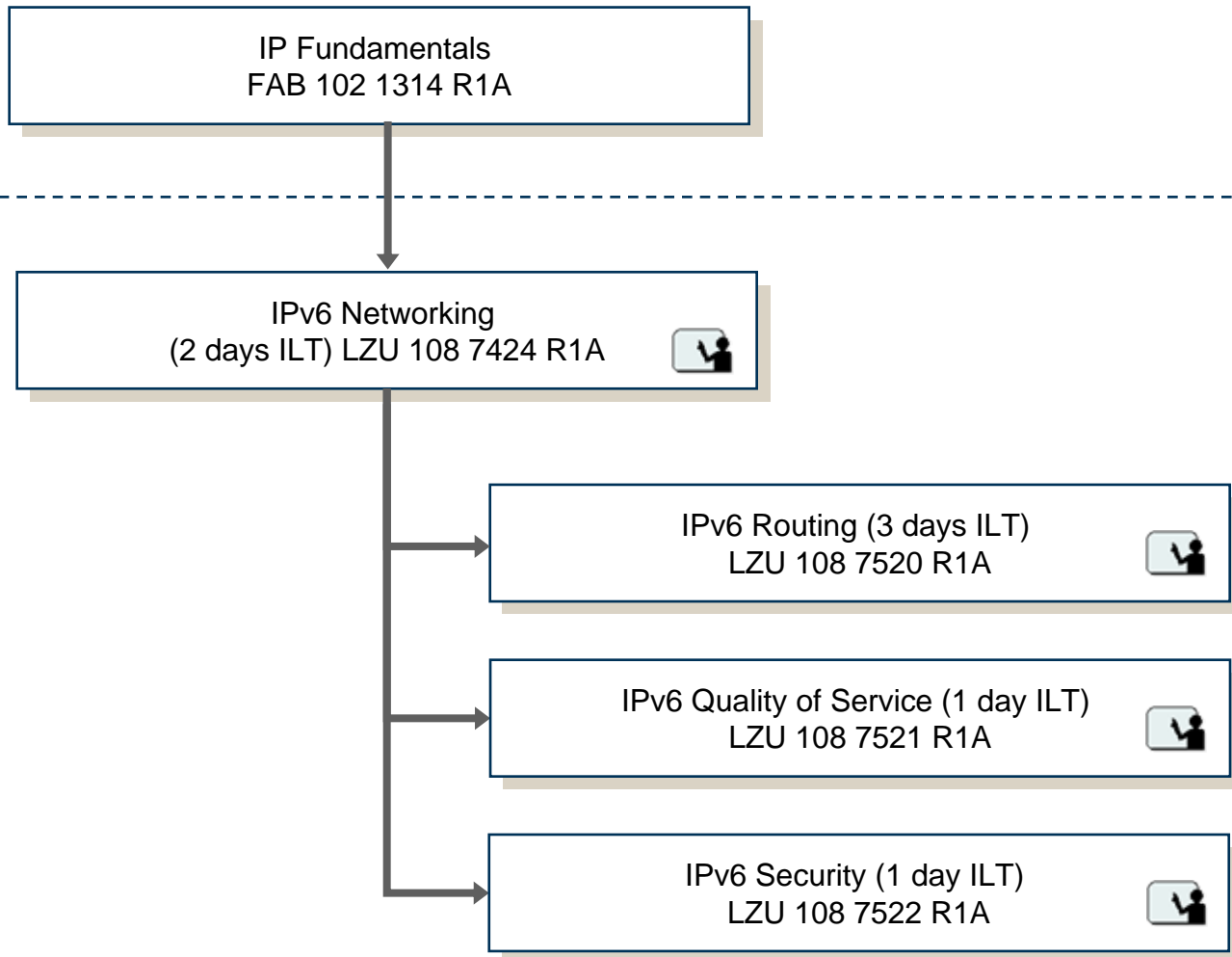
# Fundamentals

# IP Fundamentals



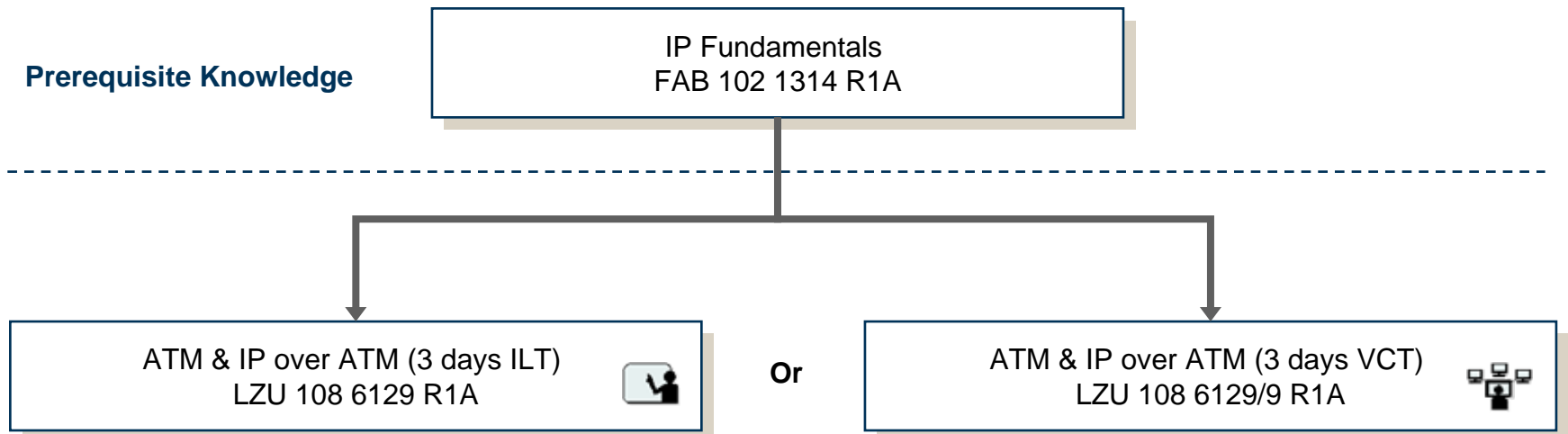
# IPv6 Fundamentals

Prerequisite Knowledge



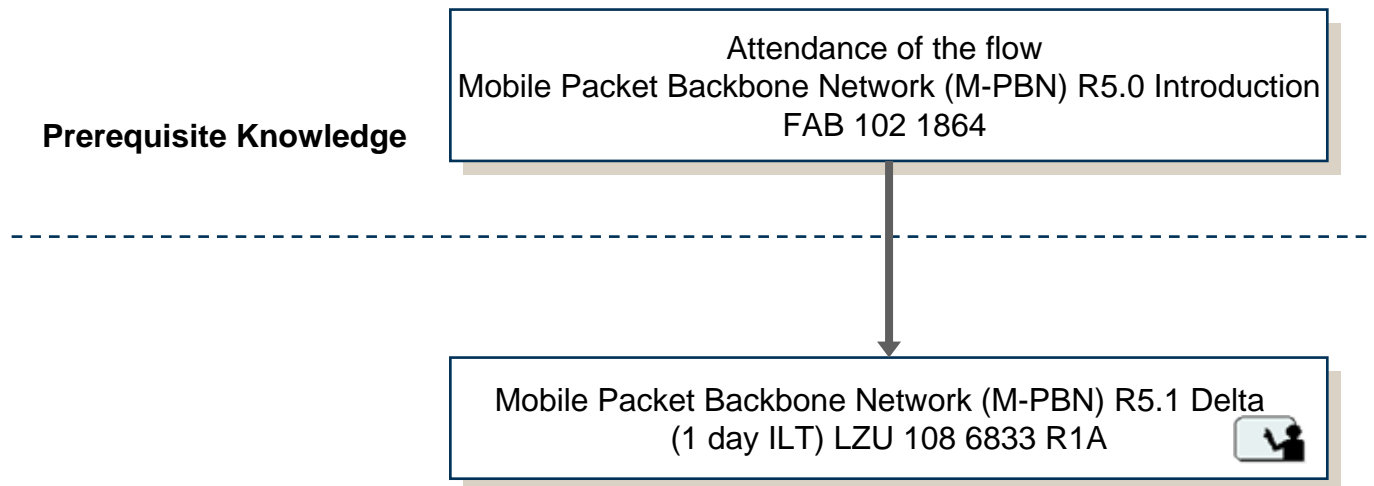
# ATM Fundamentals

**Prerequisite Knowledge**

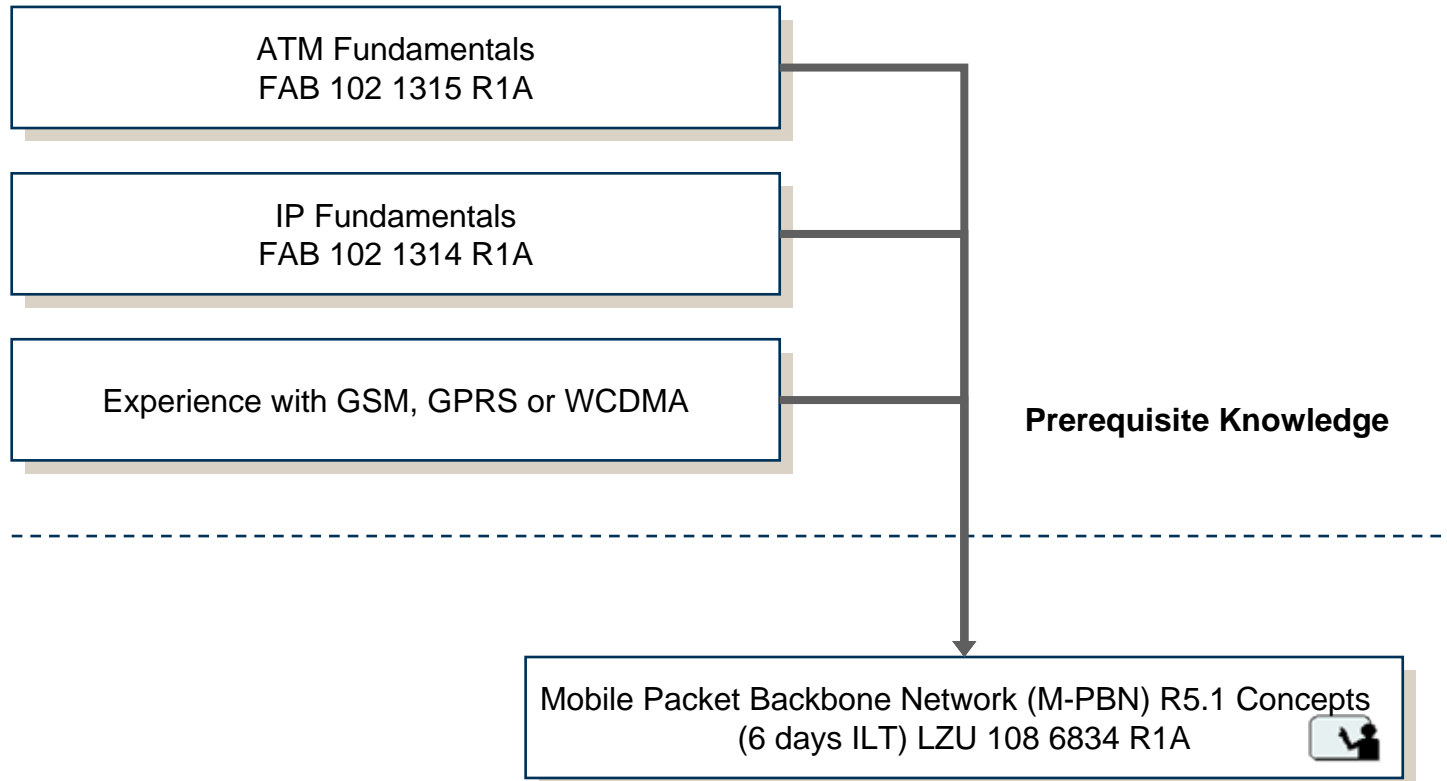


# M-PBN R5.1

# Mobile Packet Backbone Network (M-PBN) R5.1 Delta Training

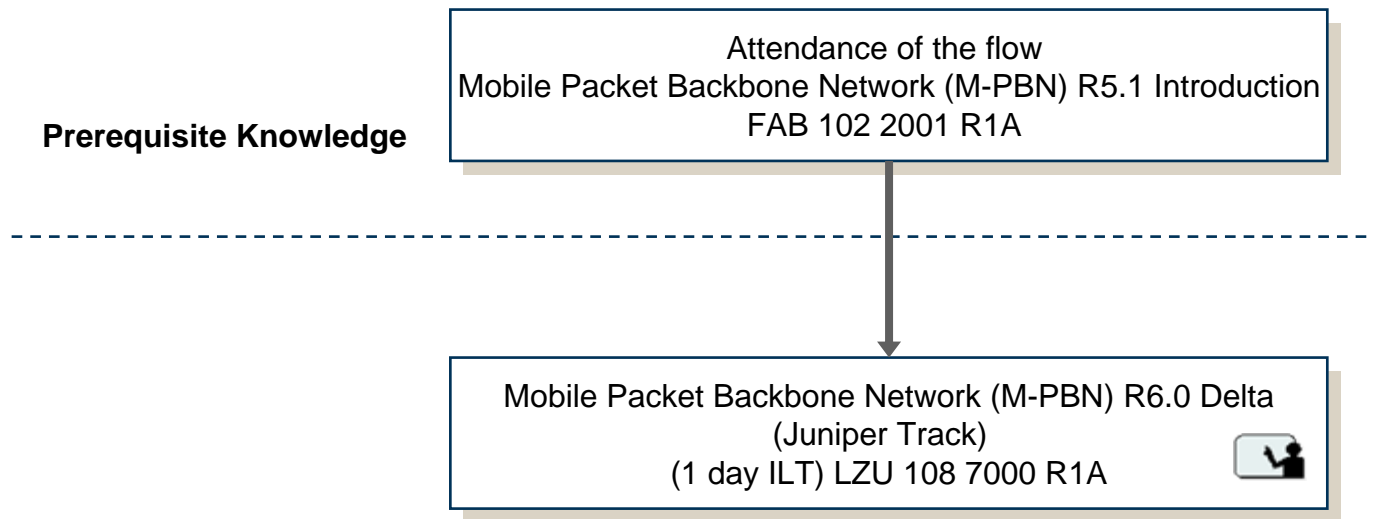


# Mobile Packet Backbone Network (M-PBN) R5.1 Introduction

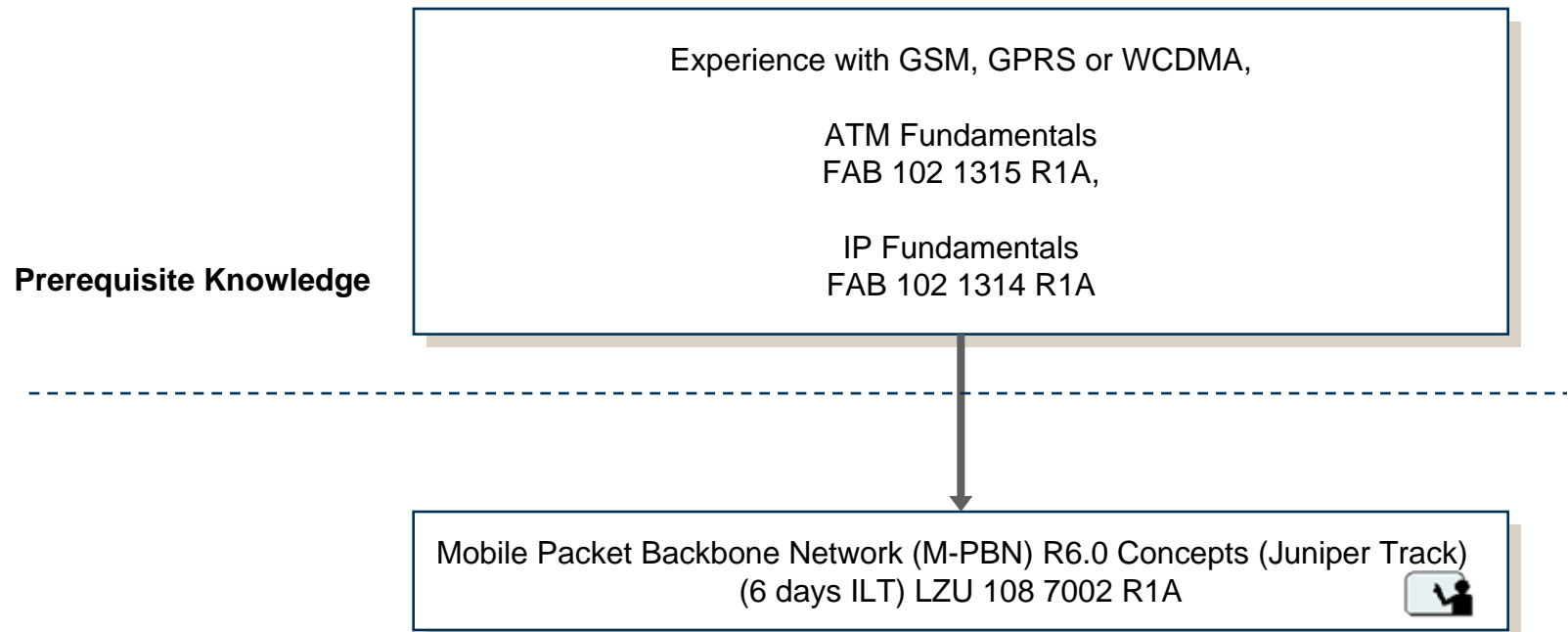


# M-PBN R6.0

# Mobile Packet Backbone Network (M-PBN) R6.0 Delta Training



# Mobile Packet Backbone Network (M-PBN) R6.0 Introduction, Juniper Track




# Mobile Packet Backbone Network (M-PBN) R6.0 Introduction, Redback Track

**Prerequisite Knowledge**

Experience with GSM, GPRS or WCDMA,

ATM Fundamentals  
FAB 102 1315 R1A,

IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.0 Concepts (Redback Track)  
(6 days ILT) LZU 108 7001 R1A 

# M-PBN R6.1

# M-PBN R6.1 Introduction - Redback Track


## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,

ATM Fundamentals  
FAB 102 1315 R1A,

IP Fundamentals  
FAB 102 1314 R1A

All the following  
1 day courses  
are included in  
this one!!

Mobile Packet Backbone Network (M-PBN) R6.1 Concepts (Redback Track)  
(6 days ILT) LZU 108 7551 R1A 

# M-PBN R6.1 for MSS – Redback Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Redback Track)  
(1 day ILT) LZU 108 7529 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Network View (Redback Track)  
(1 day ILT) LZU 108 7530 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Redback Track)  
(1 day ILT) LZU 108 7542 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Circuit Switched  
(1 day ILT) LZU 108 7534 R1A



# M-PBN R6.1 for Packet Switched

## – Redback Track

### Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Redback Track)  
(1 day ILT) LZU 108 7529 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Network View (Redback Track)  
(1 day ILT) LZU 108 7530 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Redback Track)  
(1 day ILT) LZU 108 7542 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Packet Switched  
(1 day ILT) LZU 108 7535 R1A



# M-PBN R6.1 Backbone Concepts

## – Redback Track

### Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Redback Track)  
(1 day ILT) LZU 108 7529 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Redback Track)  
(1 day ILT) LZU 108 7542 R1A



# M-PBN R6.1 for IMS – Redback Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Redback Track)  
(1 day ILT) LZU 108 7529 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Network View (Redback Track)  
(1 day ILT) LZU 108 7530 R1A



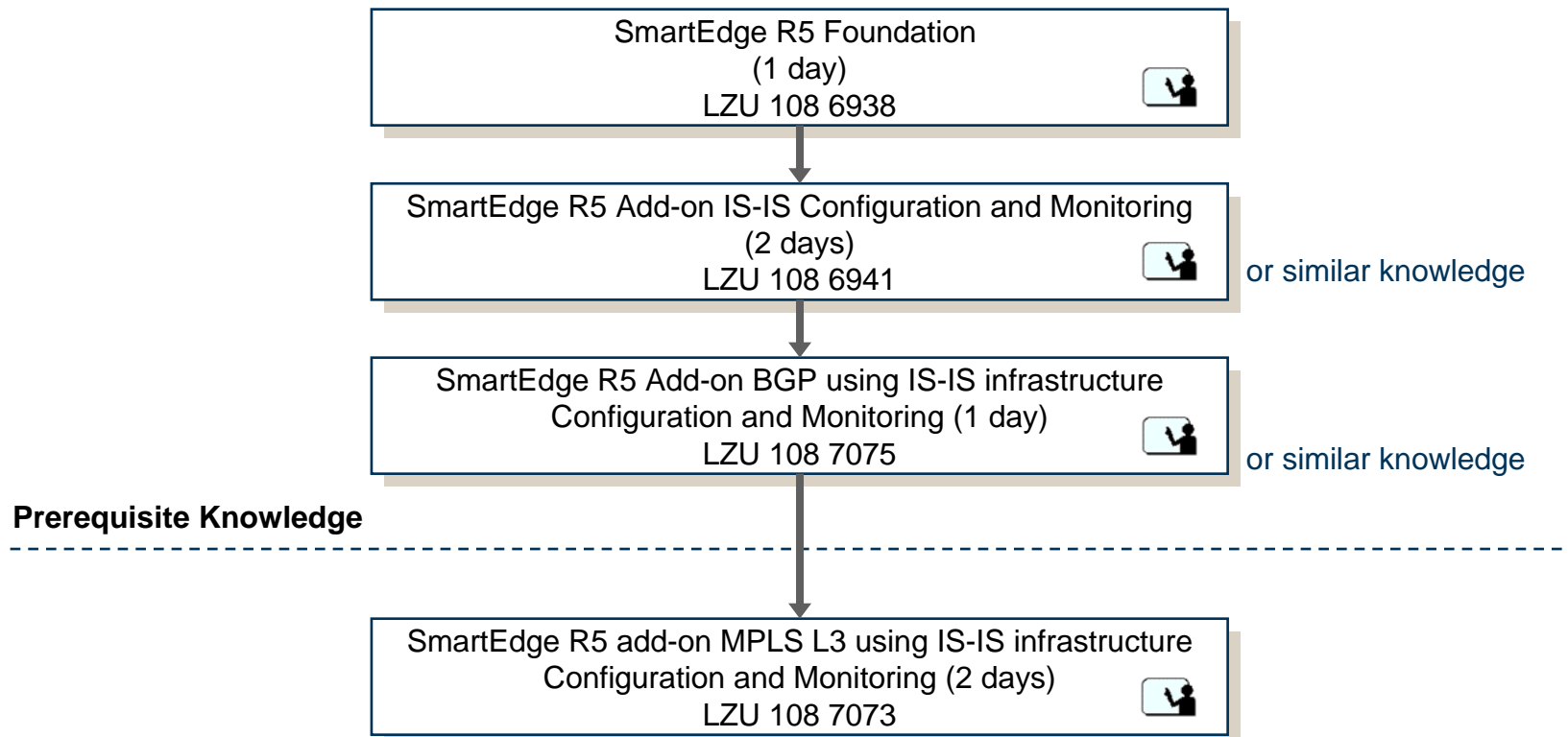
Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Redback Track)  
(1 day ILT) LZU 108 7542 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – IMS  
(1 day ILT) LZU 108 7536 R1A



# Redback SmartEdge Network Deployment in MPBN using IS-IS infrastructure



**NOTE!** This flow will not cover Ericsson M-PBN concept but some of the prerequisites for working hands-on with the Redback-based M-PBN solution.

# M-PBN R6.1 Introduction - Juniper Track


## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,

ATM Fundamentals  
FAB 102 1315 R1A,

IP Fundamentals  
FAB 102 1314 R1A

All the following  
1 day courses  
are included in  
this one!!

Mobile Packet Backbone Network (M-PBN) R6.1 Concepts (Juniper Track)  
(6 days ILT) LZU 108 7548 R1A 

# M-PBN R6.1 for MSS - Juniper Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Juniper Track)  
(1 day ILT) LZU 108 7531 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Network View (Juniper Track)  
(1 day ILT) LZU 108 7532 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Juniper Track)  
(1 day ILT) LZU 108 7533 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Circuit Switched  
(1 day ILT) LZU 108 7534 R1A



# M-PBN R6.1 for Packet Switched

## - Juniper Track

### Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Juniper Track)  
(1 day ILT) LZU 108 7531 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Network View (Juniper Track)  
(1 day ILT) LZU 108 7532 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Juniper Track)  
(1 day ILT) LZU 108 7533 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Packet Switched  
(1 day ILT) LZU 108 7535 R1A



# M-PBN R6.1 Backbone Concepts

## - Juniper Track

### Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Juniper Track)  
(1 day ILT) LZU 108 7531 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Juniper Track)  
(1 day ILT) LZU 108 7533 R1A



# M-PBN R6.1 for IMS -Juniper Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R6.1 Overview (Juniper Track)  
(1 day ILT) LZU 108 7531 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Network View (Juniper Track)  
(1 day ILT) LZU 108 7532 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – Transport Backbone (Juniper Track)  
(1 day ILT) LZU 108 7533 R1A



Mobile Packet Backbone Network (M-PBN) R6.1 Concepts – IMS  
(1 day ILT) LZU 108 7536 R1A



# Related training packages and Services

The following related training packages can be found at

<http://www.ericsson.com/education/development/> :

- MSS R5.1
- GSM/WCDMA Packet Core Network
- Ericsson IP Multi Media Subsystem (IMS) Solutions
- Redback Smart Edge R5

■ The following Education Services can be found at

[http://www.ericsson.com/products/services/training/learning\\_solutions.shtml](http://www.ericsson.com/products/services/training/learning_solutions.shtml)

- Learning Solutions
- Structured Knowledge Transfer (SKT)

# M-PBN R7.0

# M-PBN R7.0 Concepts - Redback Track


## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,

ATM Fundamentals  
FAB 102 1315 R1A,

IP Fundamentals  
FAB 102 1314 R1A

All the following  
courses are  
included in this  
one!!

Mobile Packet Backbone Network (M-PBN) R6.1 Concepts (Redback Track)  
(6 days ILT) LZU 108 7633 R1A 

# M-PBN R7.0 for MSS – Redback Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R7.0 Concepts- Circuit Switched (Redback Track)  
(4 days ILT) LZU 108 7634 R1A



# M-PBN R7.0 for Packet Switched Redback Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R7.0 Concepts – Packet Switched (Redback Track)  
(4 days ILT) LZU 108 7635 R1A



# M-PBN R7.0 for IMS – Redback Track

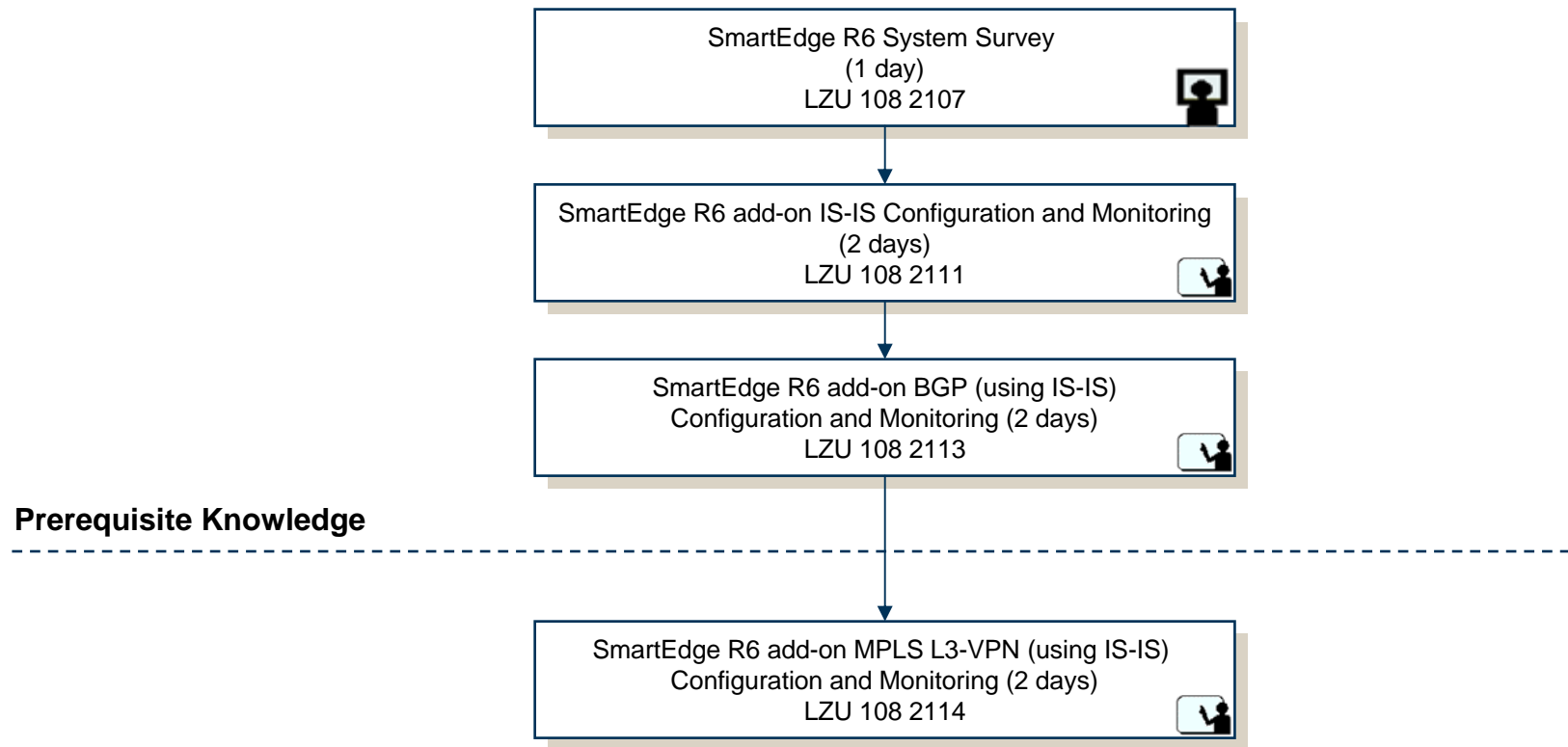
## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R7.0 Concepts – IMS (Redback Track)  
(4 days ILT) LZU 108 7636 R1A



# Redback SmartEdge R6 Network Deployment in MPBN (using IS-IS)



**NOTE!** This flow will not cover Ericsson MPBN concept  
MPBN concept is covered in the  
Mobile Packet Backbone Network Training Package

# M-PBN R7.0 Concepts - Juniper Track


## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,

ATM Fundamentals  
FAB 102 1315 R1A,

IP Fundamentals  
FAB 102 1314 R1A

All the following  
courses are  
included in this  
one!!

Mobile Packet Backbone Network (M-PBN) R7.0 Concepts (Juniper Track)  
(6 days ILT) LZU 108 7637 R1A 

# M-PBN R7.0 for MSS – Juniper Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R7.0 Concepts- Circuit Switched (Juniper Track)  
(4 days ILT) LZU 108 7638 R1A



# M-PBN R7.0 for Packet Switched

## - Juniper Track

### Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R7.0 Concepts – Packet Switched (Juniper Track)  
(4 days ILT) LZU 108 7639 R1A



# M-PBN R7.0 for IMS – Juniper Track

## Prerequisite Knowledge

Experience with GSM, GPRS or WCDMA,  
ATM Fundamentals  
FAB 102 1315 R1A,  
IP Fundamentals  
FAB 102 1314 R1A

Mobile Packet Backbone Network (M-PBN) R7.0 Concepts – IMS (Juniper Track)  
(4 days ILT) LZU 108 7640 R1A



# Related training packages and Services

The following related training packages can be found at

<http://www.ericsson.com/education/development/> :

- MSS R5.2
- GSM/WCDMA Packet Core Network
- Ericsson IP Multi Media Subsystem (IMS) Solutions
- Redback Smart Edge R6

■ The following Education Services can be found at

[http://www.ericsson.com/products/services/training/learning\\_solutions.shtml](http://www.ericsson.com/products/services/training/learning_solutions.shtml)

- Learning Solutions
- Structured Knowledge Transfer (SKT)

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