Microwave Networks
Training Programs
Why invest in Microwave Networks Package

- Faster time to revenue
  - “You can secure an rapid competence build-up, enabling an early commercial network launch.”

- Cost efficiency
  - “With competent and skilled staff, you will have a well-performed network, improving productivity and profitability.”

- Increased performance/less churn
  - “With competent and skilled staff, you will ensure high quality of service, leading to higher end-user satisfaction and competitiveness.”

- Minimal risk
  - “Your competent and skilful staff will be able to help you in maintaining a cost effective organization.”

- Organizational effectiveness
  - “Your staff will become more motivated through competence development and learning culture, which ensure you an effective organization for long-term success.”
What’s in the Microwave Networks Package?

**Planning, Design and Deployment Centre**
- Planning and Design Centre
- Network Design Engineer
- Deployment Centre
- Network Deployment Engineer

**Field Operations**
- Field Technician

**IS/IT Support**
- System Administrator

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

**Fundamentals**
- Fundamentals
## Supported Service Delivery Methods

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<td>Seminar (SEM)</td>
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<td><img src="icon3.png" alt="WS Icon" /></td>
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Microwave Networks Fundamentals

Digital Transmission Fundamentals
SDH/PDH/ATM

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

Ethernet Standards
(3 hours)
LZU 108 7591

Prerequisite Knowledge

Microwave Networks Overview (3 hours)
LZU 108 6109

Ethernet Standards
(3 hours)
LZU 108 7591

Microwave Networks System Survey (2 days)
LZU 108 7348

Basic Level
Extended Basic Level

Microwave Networks
Microwave Networks
Network Design

Prerequisite Knowledge

Microwave Networks Overview (3 hours)
LZU 108 6109

Short-Haul Microwave Radio Design (3 days)
LZU 108 6842

TEMs LinkPlanner Operations (3 days)
LZU 102 151

Optional, in flow or stand-alone

Microwave Networks DCN Design (3 days)
LZU 108 6146
Microwave Networks
Network Planning

Prerequisite Knowledge

MINI-LINK TN R3
System Planning (3 days)
LZU 108 6841

MINI-LINK TN R4
System Planning (3 days)
LZU 108 7244

Marconi LH R2
System Planning (2 days)
LZU 108 6713
Microwave Networks
Operation, Configuration and Troubleshooting

Prerequisite Knowledge

MINI-LINK TN R3
Operation and Maintenance (5 days)
LZU 108 6840

MINI-LINK TN R4
Operation and Maintenance (5 days)
LZU 108 7243

Marconi LH R2
Operation and Maintenance (5 days)
LZU 108 6712

MDRS155E R2
Operation and Maintenance (5 days)
LZU 108 6675

MINI-LINK E
Operation and Maintenance (4 days)
LZU 113 48

MDRS155S R5
Operation and Maintenance (3 days)
LZU 108 6674

MINI-LINK HC R1
Operation and Maintenance (3 days)
LZU 113 302

WinLink 1000
System Survey and Operations (2 h)
LZU 108 7572
Microwave Networks
Network Surveillance

Prerequisite Knowledge

- ServiceOn Element Manager R1 for Microwave Networks Operation (3 days) LZU 108 7614
- ServiceOn Microwave R8 Operations (3 days) LZU 108 6793
- ServiceOn Access R7 Operations (3 days) LZU 108 7120
- ServiceOn Network Manager for Microwave Networks Operations (2 days), LZU 108 6844
- ServiceOn Integrator R3 Operations (1 day) LZU 108 7246

Optional

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Resource Fault Analysis, Resource Administration and Configuration using ServiceOn Access

Prerequisite Knowledge

Microwave Networks Overview (3 hours)  
LZU 108 6109

ServiceOn Access R7 Operations (3 days)  
LZU 108 7120

ServiceOn Access R7 Configuration Marconi LH and MDRS (2 days)  
LZU 108 6845

ServiceOn Integrator R3 Operations  
(1 day)  
LZU 108 7246

Optional
Resource Fault Analysis, Resource Administration and Configuration using ServiceOn Microwave or ServiceOn EM for Microwave Networks

Prerequisite Knowledge

ServiceOn Element Manager R1 for Microwave Networks Operation (3 days) LZU 108 7614

ServiceOn Microwave R8 Operations (3 days) LZU 108 6793

MINI-LINK TN R3 Operation and Maintenance (5 days) LZU 108 6840

MINI-LINK TN R4 Operation and Maintenance (5 days) LZU 108 7243

Marconi LH R2 Operation and Maintenance (5 days) LZU 108 6712

MINI-LINK E Operation and Maintenance (4 days) LZU 113 48

MDRS155S/E R5/R2 Operation and Maintenance (3/5 days) LZU 108 6674/6675

MINI-LINK HC R1 Operation and Maintenance (3 days) LZU 113 302

ServiceOn Network Manager for Microwave Networks Operations (2 days), LZU 108 6844
Microwave Networks
Field Maintenance

Prerequisite Knowledge

- MINI-LINK TN R3
  Operation and Maintenance (5 days)
  LZU 108 6840

- MINI-LINK TN R4
  Operation and Maintenance (5 days)
  LZU 108 7243

- Marconi LH R2
  Operation and Maintenance (5 days)
  LZU 108 6712

- MDRS155E R2
  Operation and Maintenance (5 days)
  LZU 108 6675

- MINI-LINK E
  Operation and Maintenance (4 days)
  LZU 113 48

- MDRS155S R5
  Operation and Maintenance (3 days)
  LZU 108 6674

- MINI-LINK HC R1
  Operation and Maintenance (3 days)
  LZU 113 302

- WinLink 1000
  System Survey and Operations (2 hours)
  LZU 108 7572

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Microwave Networks Delta Courses

Prerequisite Knowledge

MINI-LINK TN R3
Operation and Maintenance (5 days)
LZU 108 6840

MINI-LINK TN R4
Operation and Maintenance Delta (2 days), LZU 108 7245
Optical Networks System Administration

Prerequisite Knowledge

- LINUX experience
- ServiceOn Element Manager R1 Administration (2 days, Linux) LZU 108 7616
- ServiceOn Access R7 Operations (3 days) LZU 108 7120
- ServiceOn Access R7 System Administration (4 days) LZU 108 6691