



Customer Training Catalog

Training Programs

OSS Product Technical Training



HUAWEI
HUAWEI Learning Service
2015



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1 Training Path

1.1 U2000 Training Path

M2000	
System Administration	iManager M2000 V2 System Administration Training (SUN) ILT 4.5D
	iManager M2000 V2 System Administration Training (ATAE Cluster) ILT 3D
Network Element Maintenance	iManager M2000 V200R013 to U2000 V200R014 Delta Training ILT 1D
	iManager U2000 V200R014 Client Operation & Maintenance Training ILT 2.5D

1.2 OSS Training Path

	PRS	Nastar	Probe	Assistant
Routine O&M	iManager PRS System Administrator Training (ATAE) ILT 1D	iManager Nastar System Administrator Training (ATAE) ILT 1D		
RNO	iManager PRS Client Application Training ILT 1D	iManager Nastar WCDMA Performance Analysis System Application Training ILT 2D iManager Nastar LTE Performance Analysis System Application Training ILT 2D	GENEX Probe WCDMA Operation Training ILT 1D GENEX Probe LTE Operation Training ILT 1D	GENEX Assistant WCDMA Operation Training ILT 1D GENEX Assistant LTE Operation Training ILT 1D

2 Training Programs

OSS Product Technical Training Training Programs are designed as follows:

Training Programs	Level	Duration (working days)	Training Location	Class Size
U2000				
iManager U2000V200R014 System Administration Training(Sun)	II	4.5		6 ~ 12
iManager U2000V200R014 System Administration Training(ATAE Cluster)	II	3		6 ~ 12
iManager U2000V200R014 Client Operation and Maintenance Training	II	2.5		6 ~ 12
iManager U2000V200R014 New Features Training	I	1		6 ~ 12
iManager M2000V200R013 System Administration Training(Sun)	II	4.5		6 ~ 12
iManager M2000V200R013 System Administration Training(ATAE Cluster)	II	3		6 ~ 12
iManager M2000V200R013 Client Operation and Maintenance Training	II	2.5		6 ~ 12
iManager M2000V200R013 New Features Training	I	1		6 ~ 12
PRS				
iManager PRS V100R006 Client Application Training	II	1		6 ~ 12
iManager PRS V100R007 Client Application Training	II	1		6 ~ 12
iManager PRS V100R008 Client Application Training	II	1		6 ~ 12
iManager PRS V100R009 Client Application Training	II	1		6 ~ 12
iManager PRS V100R006 System Administrator Training (HP)	II	1		6 ~ 12
iManager PRS V100R007 System Administrator Training (HP)	II	1		6 ~ 12
iManager PRS V100R008 System Administrator Training (HP)	II	1		6 ~ 12
iManager PRS V100R008 System Administrator Training (ATAE)	II	1		6 ~ 12
iManager PRS V100R009 System Administrator Training (HP)	II	1		6 ~ 12
iManager PRS V100R009 System Administrator Training (ATAE)	II	1		6 ~ 12

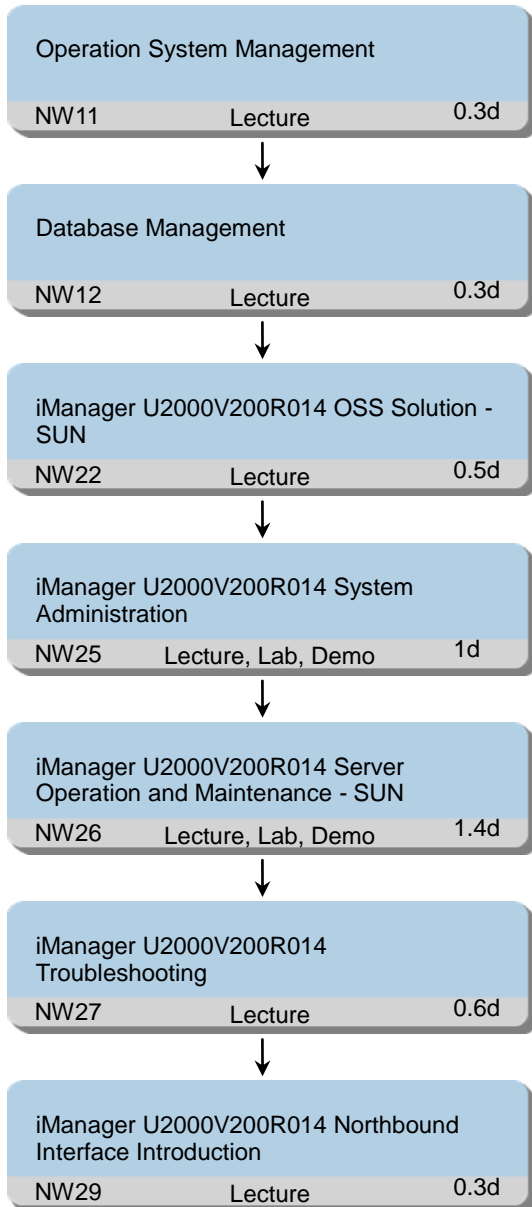
iManager PRS V100R014 Client Application Training	II	1		6 ~ 12
iManager PRS V100R014 System Administrator Training (ATAE)	II	1		6 ~ 12
Nastar				
iManager Nastar V600R008 GSM Performance Analysis System Application Training	III	2		6 ~ 12
iManager Nastar V600R008 WCDMA Performance Analysis System Application Training	III	2		6 ~ 12
iManager Nastar V600R009 GSM Performance Analysis System Application Training	III	2		6 ~ 12
iManager Nastar V600R009 WCDMA Performance Analysis System Application Training	III	2		6 ~ 12
iManager Nastar V600R010 GSM Performance Analysis System Application Training	III	2		6 ~ 12
iManager Nastar V600R010 WCDMA Performance Analysis System Application Training	III	2		6 ~ 12
iManager Nastar V600R010 LTE Performance Analysis System Application Training	III	1		6 ~ 12
GENEX Nastar V600R011 GSM Performance Analysis System Application Training	III	2		6 ~ 12
GENEX Nastar V600R011 WCDMA Performance Analysis System Application Training	III	2		6 ~ 12
GENEX Nastar V600R011 LTE Performance Analysis System Application Training	III	1		6 ~ 12
iManager Nastar V600R008 System Administrator Training (HP)	II	1		6 ~ 12
iManager Nastar V600R009 System Administrator Training (HP)	II	1		6 ~ 12
iManager Nastar V600R010 System Administrator Training (HP)	II	1		6 ~ 12
iManager Nastar V600R010 System Administrator Training (ATAE)	II	1		6 ~ 12
iManager Nastar V600R011 System Administrator Training (HP)	II	1		6 ~ 12
iManager Nastar V600R011 System Administrator Training (ATAE)	II	1		6 ~ 12
GENEX Nastar V600R014 WCDMA Performance Analysis System Application Training	III	2		6 ~ 12
GENEX Nastar V600R014 LTE Performance Analysis System Application Training	III	1		6 ~ 12

iManager Nastar V600R014 System Administrator Training (ATAE)	II	1		6 ~ 12
Probe				
GENEX Probe V200R003 GSM Operation Training	II	1		6 ~ 12
GENEX Probe V200R003 WCDMA Operation Training	II	1		6 ~ 12
GENEX Probe V200R003 LTE Operation Training	II	1		6 ~ 12
GENEX Probe V300R005 GSM Operation Training	II	1		6 ~ 12
GENEX Probe V300R005 WCDMA Operation Training	II	1		6 ~ 12
GENEX Probe V300R005 LTE Operation Training	II	1		6 ~ 12
GENEX Probe V300R006 WCDMA Operation Training	II	1		6 ~ 12
GENEX Probe V300R006 LTE Operation Training	II	1		6 ~ 12
Assistant				
GENEX Assistant V300R005 GSM Operation Training	II	1		6 ~ 12
GENEX Assistant V300R005 WCDMA Operation Training	II	1		6 ~ 12
GENEX Assistant V300R005 LTE Operation Training	II	1		6 ~ 12
GENEX Assistant V300R006 GSM Operation Training	II	1		6 ~ 12
GENEX Assistant V300R006 WCDMA Operation Training	II	1		6 ~ 12
GENEX Assistant V300R006 LTE Operation Training	II	1		6 ~ 12

2.1 U2000 Training Programs

2.1.1 iManager U2000V200R014 System Administration Training(Sun)

Training Path



Target Audience

Personnel who works on U2000 system administration

Personnel who works on U2000 server administration

Prerequisites

- Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will be able to:

- Describe the basic concept of U2000
- Master the structure of U2000 system
- Describe the networking of U2000 system
- The types of U2000 northbound interfaces and their suitable scenarios
- The functions of U2000 northbound interfaces
- How to configure U2000 northbound interfaces
- How to use and maintenance U2000 northbound interfaces
- Describe the commands in UNIX system.
- Grasp the UNIX hard disk management.
- Grasp the UNIX network configuration management.
- Grasp the UNIX backup and restoration.
- Initialize and drop devices in database.
- Define the database parameters.
- Perform database security administration.
- Perform database backup and restore.
- Describe topology management function and perform topology management.
- Perform U2000V2 system user administration.
- Collect and browse logs from U2000.
- Implement the routine maintenance items of U2000V2 such as checking the disk space usage, querying the log information and checking software version.
- Manage the U2000V2 and database processes.
- Perform U2000V2 data backup and restoration.
- Install the U2000V2 system license.

- Install and upgrade the NE mediation software.
- Describe the strictly prohibited operations.
- Describe the method to eliminate faults in U2000V2 system.
- Collect files and logs for U2000V2 problem locating.
- Perform basic troubleshooting to U2000V2

application, database and operating system.

Duration

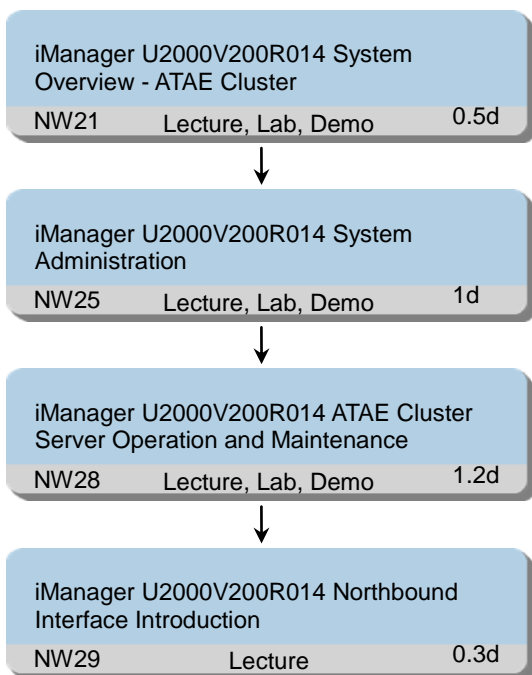
4.5 working days

Class Size

Min 6, Max 12

2.1.2 iManager U2000V200R014 System Administration Training(ATAE Cluster)

Training Path



Target Audience

Personnel who require a general knowledge of iManager U2000V2 ATAE Cluster system
 Personnel who works on U2000 system administration
 Personnel who works on U2000 server administration

Prerequisites

Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will

be able to:

- Describe ATAE platform
- Master the basic concept and structure of ATAE Cluster
- Master the networking and technology solution of ATAE Cluster
- The types of U2000 northbound interfaces and their suitable scenarios
- The functions of U2000 northbound interfaces
- How to configure U2000 northbound interfaces
- How to use and maintenance U2000 northbound interfaces
- Describe the system structure and basic function of OSMU
- Master the system management of OSMU
- Master the equipment management, service management, software management, general maintenance OSMU
- Master the method to backup and restore the different data types of ATAE Cluster
- Describe topology management function and perform topology management.
- Perform U2000V2 system user administration.
- Collect and browse logs from U2000.

Duration

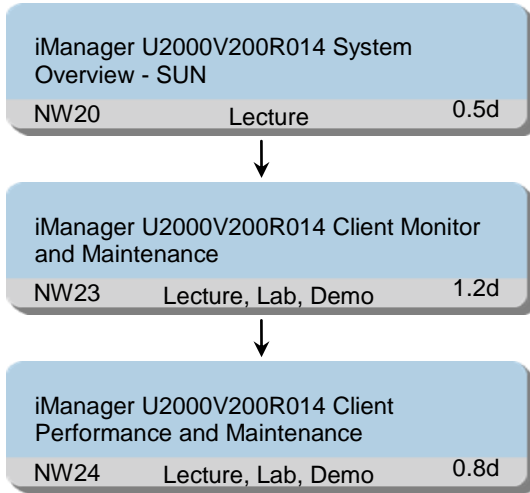
3 working days

Class Size

Min 6, Max 12

2.1.3 iManager U2000V200R014 Client Operation and Maintenance Training

Training Path



Target Audience

U2000V2 Alarm Operation and Maintenance Technician and Engineer
 U2000V2 Performance Operation and Maintenance Technician and Engineer
 Personnel who require a general knowledge of iManager U2000V2 system

Prerequisites

Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will be able to:

- Describe the alarm categories and levels in U2000V2 system.
- Describe the alarm processing ability supported by the U2000V2 server.
- Browse and query the current alarms in U2000V2 clients.
- Manage the alarm level and name in U2000V2

and NE.

- Describe the performance counter and object categories in U2000V2 system.
- Query the performance result by the setting conditions.
- Export the performance result files.
- Check the performance task status.
- Query the NE configuration data from U2000V2 client.
- Configure data to NE from U2000V2 client.
- Describe the performance counter categories and the difference between them.
- Describe the performance object categories.
- Query the performance result by the setting conditions.
- Export the performance result file.
- Define the performance query template.
- Check the performance task status.
- Describe the overall architecture, hardware architecture, software architecture, typical configuration and interfaces of the U2000V2.
- Describe the software structure of the U2000V2 equipment, the functions of different parts.
- Describe the system reliability of the U2000 system from the aspects of system security.
- Describe the performance specifications of the U2000 system, including system capacity, bandwidth, storage capacity, processing capability, and client number.

Duration

2.5 working days

Class Size

Min 6, Max 12

2.1.4 iManager U2000V200R014 New Features Training

Training Path

iManager U2000V200R014 Delta(GUI)		
NW40	Lecture, Lab, Demo	1d

Target Audience

U2000V2 Alarm Operation and Maintenance Technician and Engineer
U2000V2 Performance Operation and Maintenance Technician and Engineer
Personnel who works on U2000 system administration

Prerequisites

Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will be able to:

- The new function of U2000V2R14
- The changes of functions of U2000 GUI between U2000V2R14 and R13 version

Duration

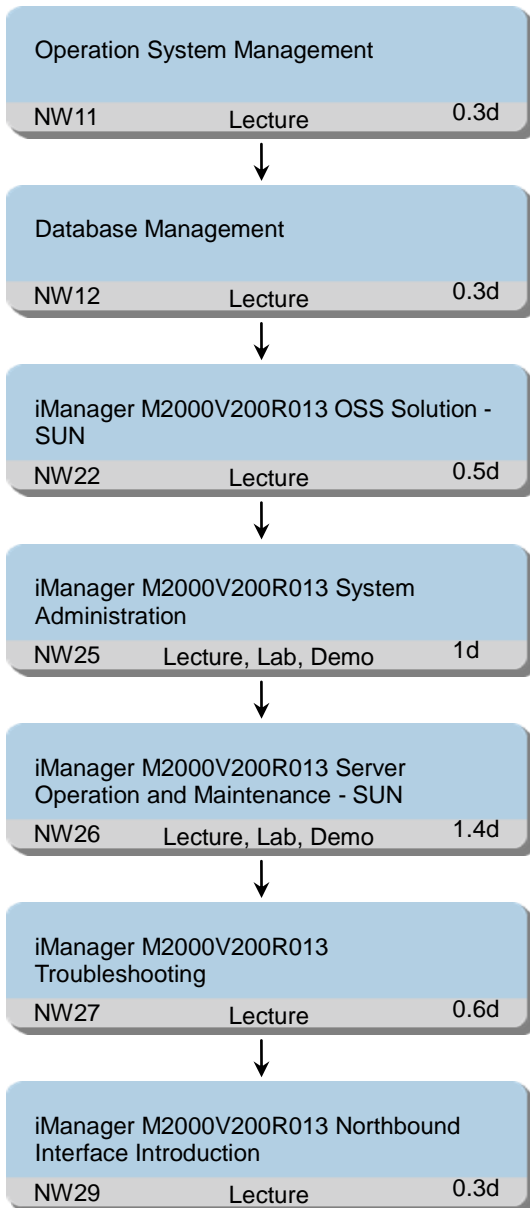
1 working day

Class Size

Min 6, Max 12

2.1.5 iManager M2000V200R013 System Administration Training(Sun)

Training Path



Target Audience

Personnel who works on M2000 system administration

Personnel who works on M2000 server administration

Prerequisites

Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will be able to:

- Describe the basic concept of M2000
- Master the structure of M2000 system
- Describe the networking of M2000 system
- The types of M2000 northbound interfaces and their suitable scenarios
- The functions of M2000 northbound interfaces
- How to configure M2000 northbound interfaces
- How to use and maintenance M2000 northbound interfaces
- Describe the commands in UNIX system.
- Grasp the UNIX hard disk management.
- Grasp the UNIX network configuration management.
- Grasp the UNIX backup and restoration.
- Initialize and drop devices in database.
- Define the database parameters.
- Perform database security administration.
- Perform database backup and restore.
- Describe topology management function and perform topology management.
- Perform M2000V2 system user administration.
- Collect and browse logs from M2000.
- Implement the routine maintenance items of M2000V2 such as checking the disk space usage, querying the log information and checking software version.
- Manage the M2000V2 and database processes.
- Perform M2000V2 data backup and restoration.
- Install the M2000V2 system license.
- Install and upgrade the NE mediation software.
- Describe the strictly prohibited operations.
- Describe the method to eliminate faults in M2000V2 system.
- Collect files and logs for M2000V2 problem locating.

- Perform basic troubleshooting to M2000V2 application, database and operating system.

Class Size

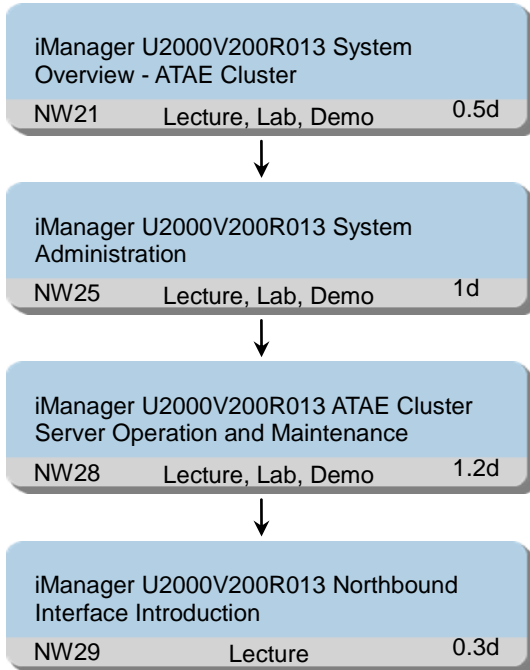
Min 6, Max 12

Duration

4.5 working days

2.1.6 iManager M2000V200R013 System Administration Training(ATAE Cluster)

Training Path



Target Audience

Personnel who require a general knowledge of iManager M2000V2 ATAE Cluster system
 Personnel who works on M2000 system administration
 Personnel who works on M2000 server administration

Prerequisites

Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will

be able to:

- Describe ATAE platform
- Master the basic concept and structure of ATAE Cluster
- Master the networking and technology solution of ATAE Cluster
- The types of M2000 northbound interfaces and their suitable scenarios
- The functions of M2000 northbound interfaces
- How to configure M2000 northbound interfaces
- How to use and maintenance M2000 northbound interfaces
- Describe the system structure and basic function of OSMU
- Master the system management of OSMU
- Master the equipment management, service management, software management, general maintenance OSMU
- Master the method to backup and restore the different data types of ATAE Cluster
- Describe topology management function and perform topology management.
- Perform M2000V2 system user administration.
- Collect and browse logs from M2000.

Duration

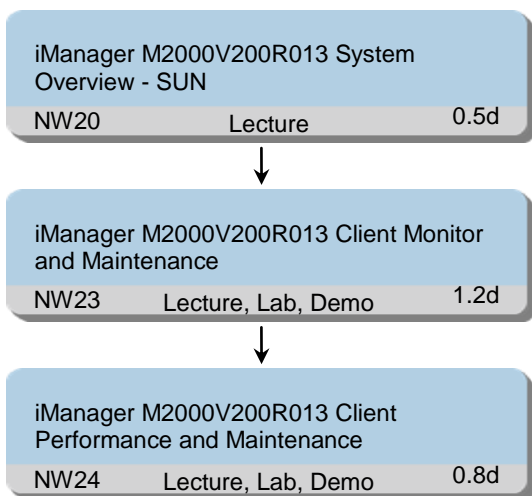
3 working days

Class Size

Min 6, Max 12

2.1.7 iManager M2000V200R013 Client Operation and Maintenance Training

Training Path



Target Audience

M2000V2 Alarm Operation and Maintenance Technician and Engineer
M2000V2 Performance Operation and Maintenance Technician and Engineer
Personnel who require a general knowledge of iManager M2000V2 system

Prerequisites

Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will be able to:

- Describe the alarm categories and levels in M2000V2 system.
- Describe the alarm processing ability supported by the M2000V2 server.
- Browse and query the current alarms in M2000V2 clients.
- Manage the alarm level and name in M2000V2

and NE.

- Describe the performance counter and object categories in M2000V2 system.
- Query the performance result by the setting conditions.
- Export the performance result files.
- Check the performance task status.
- Query the NE configuration data from M2000V2 client.
- Configure data to NE from M2000V2 client.
- Describe the performance counter categories and the difference between them.
- Describe the performance object categories.
- Query the performance result by the setting conditions.
- Export the performance result file.
- Define the performance query template.
- Check the performance task status.
- Describe the overall architecture, hardware architecture, software architecture, typical configuration and interfaces of the M2000V2.
- Describe the software structure of the M2000V2 equipment, the functions of different parts.
- Describe the system reliability of the M2000 system from the aspects of system security.
- Describe the performance specifications of the M2000 system, including system capacity, bandwidth, storage capacity, processing capability, and client number.

Duration

2.5 working days

Class Size

Min 6, Max 12

2.1.8 iManager M2000V200R013 New Features Training

Training Path

iManager M2000V200R013 Delta(GUI)		
NW40	Lecture, Lab, Demo	1d

Target Audience

M2000V2 Alarm Operation and Maintenance Technician and Engineer
M2000V2 Performance Operation and Maintenance Technician and Engineer
Personnel who works on M2000 system administration

Prerequisites

Having basic knowledge in telecommunication and mobile communication

Objectives

On completion of this program, the participants will be able to:

- The new function of M2000V2R13
- The changes of functions of M2000 GUI between M2000V2R12 and R13 version

Duration

1 working day

Class Size

Min 6, Max 12

2.2 PRS Training Programs

2.2.1 iManager PRS V100R006 Client Application Training

Training Path

iManager PRS V100R006 Client Application		
ONR11	Lecture, Lab, Demo	1d

Target Audience

Radio Network Optimization Engineers

Prerequisites

- Having basic knowledge in wireless network performance management

Objectives

On completion of this program, the participants will

be able to:

- Describe the structure and data processing procedure of PRS system
- Describe the functions and features of PRS system
- Perform routine PRS client operations such as KPI management, performance report management and etc

Duration

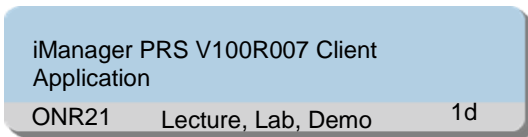
1 working day

Class Size

Min 6, Max 12

2.2.2 iManager PRS V100R007 Client Application Training

Training Path



- Describe the structure and data processing procedure of PRS system
- Describe the functions and features of PRS system
- Perform routine PRS client operations such as KPI management, performance report management and etc

Target Audience

Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in wireless network performance management

Objectives

On completion of this program, the participants will be able to:

Duration

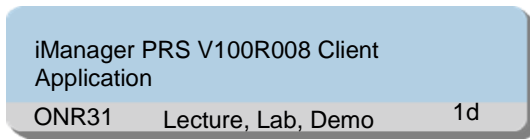
1 working day

Class Size

Min 6, Max 12

2.2.3 iManager PRS V100R008 Client Application Training

Training Path



- Describe the structure and data processing procedure of PRS system
- Describe the functions and features of PRS system
- Perform routine PRS client operations such as KPI management, performance report management and etc

Target Audience

Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in wireless network performance management

Objectives

On completion of this program, the participants will be able to:

Duration

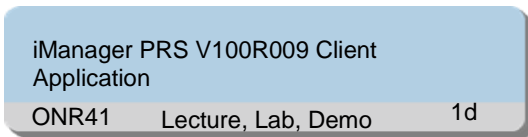
1 working day

Class Size

Min 6, Max 12

2.2.4 iManager PRS V100R009 Client Application Training

Training Path



- Describe the structure and data processing procedure of PRS system
- Describe the functions and features of PRS system
- Perform routine PRS client operations such as KPI management, performance report management and etc

Target Audience

Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in wireless network performance management

Objectives

On completion of this program, the participants will be able to:

Duration

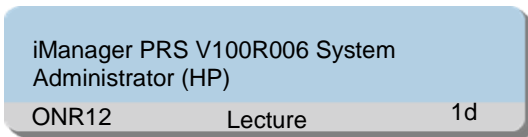
1 working day

Class Size

Min 6, Max 12

2.2.5 iManager PRS V100R006 System Administrator Training (HP)

Training Path



Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

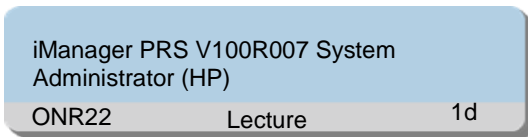
1 working day

Class Size

Min 6, Max 12

2.2.6 iManager PRS V100R007 System Administrator Training (HP)

Training Path



Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

1 working day

Class Size

Min 6, Max 12

2.2.7 iManager PRS V100R008 System Administrator Training (HP)

Training Path

iManager PRS V100R008 System Administrator (HP)		
ONR32	Lecture	1d

Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

1 working day

Class Size

Min 6, Max 12

2.2.8 iManager PRS V100R008 System Administrator Training (ATAE)

Training Path

iManager PRS V100R008 System Administrator (ATAE)		
ONR33	Lecture	1d

Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

1 working day

Class Size

Min 6, Max 12

2.2.9 iManager PRS V100R009 System Administrator Training (HP)

Training Path

iManager PRS V100R009 System Administrator (HP)		
ONR42	Lecture	1d

Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

1 working day

Class Size

Min 6, Max 12

2.2.10 iManager PRS V100R009 System Administrator Training (ATAE)

Training Path

iManager PRS V100R009 System Administrator (ATAE)		
ONR43	Lecture	1d

Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

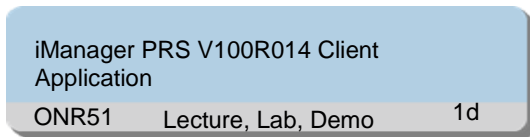
1 working day

Class Size

Min 6, Max 12

2.2.11 iManager PRS V100R014 Client Application Training

Training Path



- Describe the structure and data processing procedure of PRS system
- Describe the functions and features of PRS system
- Perform routine PRS client operations such as KPI management, performance report management and etc

Target Audience

Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in wireless network performance management

Objectives

On completion of this program, the participants will be able to:

Duration

1 working day

Class Size

Min 6, Max 12

2.2.12 iManager PRS V100R014 System Administrator Training (ATAE)

Training Path

iManager PRS V100R014 System Administrator (ATAE)		
ONR52	Lecture	1d

Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

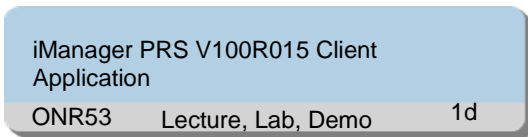
1 working day

Class Size

Min 6, Max 12

2.2.13 iManager PRS V100R015 Client Application Training

Training Path



- Describe the structure and data processing procedure of PRS system
- Describe the functions and features of PRS system
- Perform routine PRS client operations such as KPI management, performance report management and etc

Target Audience

Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in wireless network performance management

Objectives

On completion of this program, the participants will be able to:

Duration

1 working day

Class Size

Min 6, Max 12

2.2.14 iManager PRS V100R015 System Administrator Training (ATAE)

Training Path

iManager PRS V100R015 System Administrator (ATAE)		
ONR54	Lecture	1d

Target Audience

PRS System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will be able to:

- Describe topology management function and perform topology management.
- Describe the security management of PRS system.
- Perform PRS system user administration.
- Collect and browse logs from PRS.

Duration

1 working day

Class Size

Min 6, Max 12

2.3 Nastar Training Programs

2.3.1 iManager Nastar V600R008 GSM Performance Analysis System Application Training

Training Path

iManager Nastar V600R008 GSM Performance Analysis System Application		
ONO11	Lecture, Lab, Demo	2d

- Describe the structure and the data collection procedure of iManager Nastar
- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different GSM analysis tasks such as GSM MR analysis, GSM neighboring cell analysis, GSM frequency analysis and etc

Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

- Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

Duration

2 working days

Class Size

Min 6, Max 12

2.3.2 iManager Nastar V600R008 WCDMA Performance Analysis System Application Training

Training Path

iManager Nastar V600R008 WCDMA Performance Analysis System Application

ONO12 Lecture, Lab, Demo 2d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different UMTS analysis tasks such as Coverage Analysis, Uplink Interference Analysis, Intra-frequency Neighboring Cell Analysis, Pilot Pollution Analysis and etc

Duration

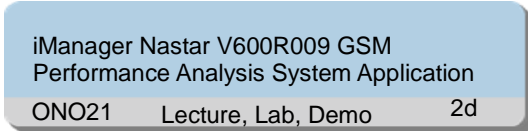
2 working days

Class Size

Min 6, Max 12

2.3.3 iManager Nastar V600R009 GSM Performance Analysis System Application Training

Training Path



Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection procedure of iManager Nastar
- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different GSM analysis tasks such as GSM MR analysis, GSM neighboring cell analysis, GSM frequency analysis and etc

Duration

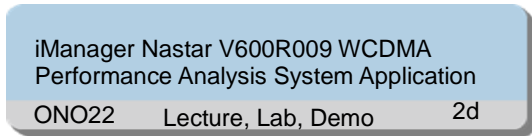
2 working days

Class Size

Min 6, Max 12

2.3.4 iManager Nastar V600R009 WCDMA Performance Analysis System Application Training

Training Path



Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different UMTS analysis tasks such as Coverage Analysis, Uplink Interference Analysis, Intra-frequency Neighboring Cell Analysis, Pilot Pollution Analysis and etc

Duration

2 working days

Class Size

Min 6, Max 12

2.3.5 iManager Nastar V600R010 GSM Performance Analysis System Application Training

Training Path

iManager Nastar V600R010 GSM
Performance Analysis System Application
ONO31 Lecture, Lab, Demo 2d

Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection procedure of iManager Nastar
- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different GSM analysis tasks such as GSM MR analysis, GSM neighboring cell analysis, GSM frequency analysis and etc

Duration

2 working days

Class Size

Min 6, Max 12

2.3.6 iManager Nastar V600R010 WCDMA Performance Analysis System Application Training

Training Path

iManager Nastar V600R010 WCDMA
Performance Analysis System Application
ONO32 Lecture, Lab, Demo 2d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different UMTS analysis tasks such as Coverage Analysis, Uplink Interference Analysis, Intra-frequency Neighboring Cell Analysis, Pilot Pollution Analysis and etc

Duration

2 working days

Class Size

Min 6, Max 12

2.3.7 iManager Nastar V600R010 LTE Performance Analysis System Application Training

Training Path

iManager Nastar V600R010 LTE Performance Analysis System Application		
ONO33	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different LTE analysis tasks such as Coverage Analysis, VIP Analysis, Complaint Analysis Support, Terminal Analysis, Cell Performance Analysis, Network Geographic Observation etc.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.8 GENEX Nastar V600R011 GSM Performance Analysis System Application Training

Training Path

iManager Nastar V600R011 GSM
Performance Analysis System Application
ONO41 Lecture, Lab, Demo 2d

Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection procedure of iManager Nastar
- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different GSM analysis tasks such as GSM MR analysis, GSM neighboring cell analysis, GSM frequency analysis and etc

Duration

2 working days

Class Size

Min 6, Max 12

2.3.9 GENEX Nastar V600R011 WCDMA Performance Analysis System Application Training

Training Path

iManager Nastar V600R011 WCDMA
Performance Analysis System Application

ONO42 Lecture, Lab, Demo 2d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different UMTS analysis tasks such as Coverage Analysis, Uplink Interference Analysis, Intra-frequency Neighboring Cell Analysis, Pilot Pollution Analysis and etc

Duration

2 working days

Class Size

Min 6, Max 12

2.3.10 GENEX Nastar V600R011 LTE Performance Analysis System Application Training

Training Path

iManager Nastar V600R011 LTE Performance Analysis System Application		
ONO43	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different LTE analysis tasks such as Coverage Analysis, VIP Analysis, Complaint Analysis Support, Terminal Analysis, Cell Performance Analysis, Network Geographic Observation etc.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.11 iManager Nastar V600R008 System Administrator Training (HP)

Training Path

iManager Nastar V600R008 System Administrator (HP)		
ONO14	Lecture	1d

Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.12 iManager Nastar V600R009 System Administrator Training (HP)

Training Path

iManager Nastar V600R009 System Administrator (HP)		
ONO24	Lecture	1d

Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

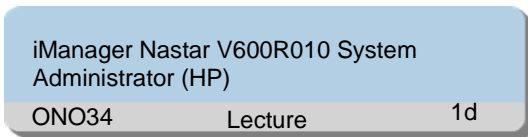
1 working day

Class Size

Min 6, Max 12

2.3.13 iManager Nastar V600R010 System Administrator Training (HP)

Training Path



Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

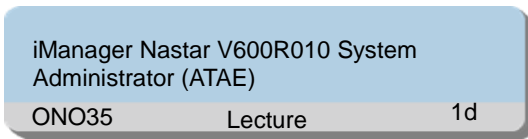
1 working day

Class Size

Min 6, Max 12

2.3.14 iManager Nastar V600R010 System Administrator Training (ATAE)

Training Path



Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.15 iManager Nastar V600R011 System Administrator Training (HP)

Training Path

iManager Nastar V600R011 System Administrator (HP)		
ONO44	Lecture	1d

Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.16 iManager Nastar V600R011 System Administrator Training (ATAE)

Training Path

iManager Nastar V600R011 System Administrator (ATAE)		
ONO45	Lecture	1d

Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

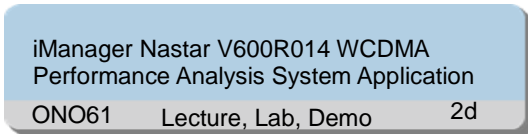
1 working day

Class Size

Min 6, Max 12

2.3.17 GENEX Nastar V600R014 WCDMA Performance Analysis System Application Training

Training Path



Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different UMTS analysis tasks such as Coverage Analysis, Uplink Interference Analysis, Intra-frequency Neighboring Cell Analysis, Pilot Pollution Analysis and etc

Duration

2 working days

Class Size

Min 6, Max 12

2.3.18 GENEX Nastar V600R014 LTE Performance Analysis System Application Training

Training Path

iManager Nastar V600R014 LTE Performance Analysis System Application		
ONO62	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different LTE analysis tasks such as Coverage Analysis, VIP Analysis, Complaint Analysis Support, Terminal Analysis, Cell Performance Analysis, Network Geographic Observation etc.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.19 iManager Nastar V600R014 System Administrator Training (ATAE)

Training Path

iManager Nastar V600R014 System Administrator (ATAE)		
ONO63	Lecture	1d

Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.20 GENEX Nastar V600R015 WCDMA Performance Analysis System Application Training

Training Path

iManager Nastar V600R015 WCDMA Performance Analysis System Application		
ONO64	Lecture, Lab, Demo	2d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different UMTS analysis tasks such as Coverage Analysis, Uplink Interference Analysis, Intra-frequency Neighboring Cell Analysis, Pilot Pollution Analysis and etc

Duration

2 working days

Class Size

Min 6, Max 12

2.3.21 GENEX Nastar V600R015 LTE Performance Analysis System Application Training

Training Path

iManager Nastar V600R015 LTE Performance Analysis System Application		
ONO65	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the structure and the data collection

procedure of iManager Nastar

- Describe the network optimization procedure with Nastar
- Perform routine operations with Nastar client
- Perform different LTE analysis tasks such as Coverage Analysis, VIP Analysis, Complaint Analysis Support, Terminal Analysis, Cell Performance Analysis, Network Geographic Observation etc.

Duration

1 working day

Class Size

Min 6, Max 12

2.3.22 iManager Nastar V600R015 System Administrator Training (ATAE)

Training Path

iManager Nastar V600R015 System Administrator (ATAE)		
ONO66	Lecture	1d

Target Audience

Nastar System Administrator

Prerequisites

Be familiar with Linux operating system

Be familiar with Oracle database system

Objectives

On completion of this program, the participants will

be able to:

- Describe topology management function and perform topology management.
- Describe the security management of Nastar system.
- Perform Nastar system user administration.
- Collect and browse logs from Nastar.

Duration

1 working day

Class Size

Min 6, Max 12

2.4 Probe Training Programs

2.4.1 GENEX Probe V200R003 GSM Operation Training

Training Path

GENEX Probe V200R003 GSM Operation		
ONP11	Lecture, Demo	1d

Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

- Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in GSM drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.4.2 GENEX Probe V200R003 WCDMA Operation Training

Training Path

GENEX Probe V200R003 WCDMA Operation		
ONP12	Lecture, Demo	1d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in WCDMA drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

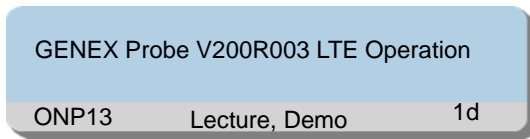
1 working day

Class Size

Min 6, Max 12

2.4.3 GENEX Probe V200R003 LTE Operation Training

Training Path



Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in LTE drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

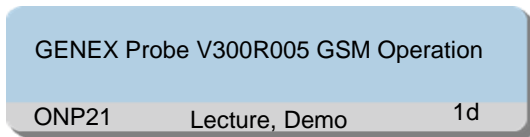
1 working day

Class Size

Min 6, Max 12

2.4.4 GENEX Probe V300R005 GSM Operation Training

Training Path



Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in GSM drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.4.5 GENEX Probe V300R005 WCDMA Operation Training

Training Path

GENEX Probe V300R005 WCDMA Operation		
ONP22	Lecture, Demo	1d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in WCDMA drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

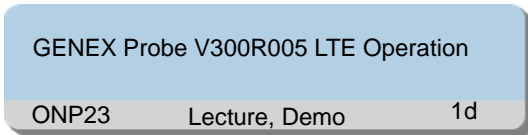
1 working day

Class Size

Min 6, Max 12

2.4.6 GENEX Probe V300R005 LTE Operation Training

Training Path



Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in LTE drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.4.7 GENEX Probe V300R006 WCDMA Operation Training

Training Path

GENEX Probe V300R006 WCDMA Operation		
ONP61	Lecture, Demo	1d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in WCDMA drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

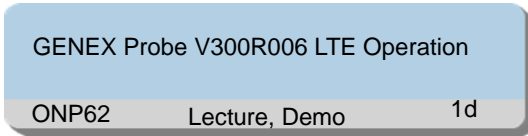
1 working day

Class Size

Min 6, Max 12

2.4.8 GENEX Probe V300R006 LTE Operation Training

Training Path



Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in LTE drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.4.9 GENEX Probe V300R015 WCDMA Operation Training

Training Path

GENEX Probe V300R015 WCDMA Operation		
ONP63	Lecture, Demo	1d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in WCDMA drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.4.10 GENEX Probe V300R015 LTE Operation Training

Training Path

GENEX Probe V300R015 LTE Operation		
ONP64	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Probe
- Perform GSM drive test with GENEX Probe
- List basic test parameters in LTE drive test
- Analysis simple Drive Test problem with GENEX probe, such as over coverage, wrong connection of antenna, missing neighboring cells and handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5 Assistant Training Programs

2.5.1 GENEX Assistant V300R005 GSM Operation Training

Training Path

GENEX Assistant V300R005 GSM Operation		
ONA21	Lecture, Demo	1d

Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5.2 GENEX Assistant V300R005 WCDMA Operation Training

Training Path

GENEX Assistant V300R005 WCDMA Operation		
ONA22	Lecture, Demo	1d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5.3 GENEX Assistant V300R005 LTE Operation Training

Training Path

GENEX Assistant V300R005 LTE Operation		
ONA23	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5.4 GENEX Assistant V300R006 GSM Operation Training

Training Path

GENEX Assistant V300R006 GSM Operation		
ONA31	Lecture, Demo	1d

Target Audience

GSM Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in GSM radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5.5 GENEX Assistant V300R006 WCDMA Operation Training

Training Path

GENEX Assistant V300R006 WCDMA Operation		
ONA61	Lecture, Demo	1d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5.6 GENEX Assistant V300R006 LTE Operation Training

Training Path

GENEX Assistant V300R006 LTE Operation		
ONA62	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5.7 GENEX Assistant V300R015 WCDMA Operation Training

Training Path

GENEX Assistant V300R015 WCDMA Operation		
ONA63	Lecture, Demo	1d

Target Audience

WCDMA Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in WCDMA radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 12

2.5.8 GENEX Assistant V300R015 LTE Operation Training

Training Path

GENEX Assistant V300R015 LTE Operation		
ONA64	Lecture, Demo	1d

Target Audience

LTE Radio Network Optimization Engineers

Prerequisites

Having basic knowledge in LTE radio network optimization

Objectives

On completion of this program, the participants will be able to:

- Describe the operation process of GENEX Assistant
- Analysis Drive Test problem with GENEX Assistant, such as
 - over coverage
 - wrong connection of antenna
 - missing neighboring cells
 - handover failure.

Duration

1 working day

Class Size

Min 6, Max 1