

## HUAWEI PS Core Network and O&M - (5 days)

### Overview

This program provides a good understanding of HUAWEI Release 4 PS Core Network architecture, interfaces, User and control planes, signaling protocols, Routing principles and functional modules of various Network Elements. A detailed study of hardware and software platform on HUAWEI SGSN, GGSN etc. along with basic routing and data configuration is a part of this program.

### Course Pre-requisites

Participants attending this program should have at least a year of experience in operation and maintenance of GPRS NSS/UMTS PS or other telecommunication equipments. He or She should be familiar with MS Windows Operation System with basic knowledge of mobile communication.

### Course Summary

- Introduction to Rel.4 with SGSN & GGSN Architecture
- Control Plane & User Plane Protocols and its configurations
- SGSN – GGSN Interfaces and Protocols
- HUAWEI SGSN 9810 Architecture
- HUAWEI GGSN 9811 Architecture
- Basic of Routing & Configuration
- Perform operation through LMT
- Perform local office data configuration
- Systems Administration, Maintenance
- Integration SGSN to SGSN (Gn Interface), SGSN to GGSN (Gn Interface), SGSN to GGSN (Gp Interface)
- Basic Operation and Maintenance Procedures

### After attending this program, you should be able to:

- Describe the architecture of Huawei PS Core Network elements
- Perform routine Operations and Maintenance over Huawei PS Core network
- Execute basic to intermediate level troubleshooting activities over Huawei PS Core