



OSS Overview

Course Outline

NanoCell Networks Pvt Ltd

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Course Description:

This course introduces the fundamentals of Operation Support System (OSS), the information technology infrastructure that gives Vendors and Operators the ability to create, organize, accomplish and maintain network-based services and applications. This course covers the details of OSS for current and next generation applications, services and networks. This course provides different solutions to be used by service providers to maximize their profit, minimizing their costs and creating and managing their services and networks smoothly and the benefits and limitations of each solution.

Target Audience:

The target audience for this course includes:

- OMC and NOC Engineers
- IT professionals and Software engineers
- System engineers and Network professionals
- Marketing and sales professional

Delivery Method:

The delivery will be instructor-led classroom training with extensive practical case studies, interactive discussions and Q&A / quiz sessions

Course Material:

The course material will be in the form of presentation slides (Hardcopy or protected softcopy)

Pre-requisites:

The participants are expected to have prior knowledge of:

- Basic Mobile Network Architecture
- Client / server interactions

Duration:

1 Day

Revision:

1.0

Course Outline

Need for OSS and its role

- Role of OSS in Modern day N/W
- About ITIL, TM Forum and ITU
- Introduction to EMS, NOC and GNOC
- NGOSS the new standard

FCAPS

Importance of FCAPS

- Fault Management
- Configuration Management
- Accounting Management
- Performance Management
- Security Management

Service Assurance

- Service Level Agreement
- Network Performance Management
- Topology & Configuration Management
- Planning & Testing

Service Fulfillment

- eTOM & SID point of view
- Provisioning / Activation - BSS view
- Provisioning / Activation - OSS view

OSS Solution Providers

- OSS Vendors, Customers

OSS Scenarios

- Trouble to resolution(t2r)
- Order to Cash(o2c)
- Plan to Provision(p2p)

Inventory Management

- Physical and Logical Inventory
- Warehouse Management
- Case Study

Network Planning and Engineering

- Network Dimensioning
- Approximation of CAPEX for network implementation
- List out infrastructure required