



Short Message Service Centre 5.2

Basic Operator Course (BOC 4days)

The Short Message Service Centre (SMSC) Basic Operator Course is a practical training course, which familiarises participants with the operation and management of the SMSC. Simultaneously the course provides an overview of the SMSC capabilities and functional behaviour. Participants learn how to make basic configuration changes and how to check whether the SMSC is working properly, identifying problems and performing basic troubleshooting.

Duration

4 days (9am–5pm, change on request)

Objectives

On completion of the course participants will have gained an understanding of the:

- Main elements of the SMSC
 - Software architecture
 - Hardware architecture
 - Service configuration
 - Traffic monitoring and logging
- Operator procedures
 - Starting and stopping the system
 - SMSC configuration
 - Billing and statistics processes
 - SMSC troubleshooting
 - OpenVMS system check
 - SS7 check
 - Database check
 - Backup procedures

Intended audience

The course is intended for beginners in Short Message Service who need or want to learn the SMS essentials, SMSC functionalities and capabilities and how these can be employed, operated and managed.

Prerequisites

Prior knowledge of computer systems, especially OpenVMS, and communication networks is required.

Location

The course can be given at our Acision Training Centres:

- Brno, The Czech Republic
- Kuala Lumpur, Malaysia
- Sao Paulo, Brasil
- Plano, Texas, USA

Private courses can also be given at a customer site.

Class size

8 seats are available

Course schedule and registration

For more information or to enrol for a course, contact your Acision Project or Account Manager.

If you have any further training queries, contact the Product Training Department at training@acision.com

To contact your nearest regional office, please visit our website.

Email: contact@acision.com



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Basic Operator Course Outline

Day 1

Introduction (30 min)

- Theory: Course agenda, organisation, expectations

Technical overview (90 min)

- Theory: Acision SMSC overview
- Theory: MO-MT message flows
- Theory: Position of SMSC in SS7 network
- Hands on: none

SMSC architecture (300 min)

- Theory: Server functionality
- Theory: Interworking functionality
- Theory: SMH functionality
- Theory: Subscriber services
- Theory: Internal SMSC routing
- Hands on: Drawing connection/session diagrams

Day 2

Operation and management (400 min)

- Theory: Operation and management architecture
- Hands-on: SMSC PML commands
- Hands-on: SMSC PML counters and event/alarms
- Hands-on: SMSC environment configuration
- Hands-on : Server configuration
- Hands-on: Interworking configuration

- Hands-on: SMH configuration
- Hands-on: LOGSRV configuration
- Hands-on: Subscriber services configuration
- Theory: Mobile number portability
- Theory: Enhanced functionality
- Theory: End user functionality
- Hands-on: SMSC operation and management

Day 3

Operation and management continued (100 min)

- Hands-on: SMSC operation and management

Third party hard and software (120 min)

- Theory: Next-gen network layout
- Theory: Software Overview
- Hands-on: SMSC Startup Procedure
- Hands-on: DECNET
- Hands-on: TCPIP
- Hands-on: Oracle RDB
- Hands-on: SS7 Connectivity
- Hands-on: SMSC start up and shut down, system health checks

Billing and Statistics (260 min)

- Theory: Billing and Statistics Process
- Theory: EMS Billing Architecture
- Configurations
- Hands-on: Logsrv Configurations

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Day 4

Troubleshooting: system checking and tracing (240 min)

- Hands-on: OpenVMS system checking and PML
- Hands-on: SMSC startup
- Hands-on: TCPIP services using TCPIP
- Hands-on demo: Database using RMU
- Hands-on: SS7 checking
- Hands-on: Tracing, PML and server/analyser
- Hands-on: System checking and tracing

SMSC Related Applications (60 min)

- Theory: Business tools
- Theory: SMS AAG
- Theory: Message plus (feature server)
- Theory: Central Directory Server (CDS)
- Theory: Central Management Station
- Theory: Mobile Message Tester (MMT)

Incidence Handling and Supportweb (30 min)

- Theory: Supportweb

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