



Short Message Service Centre 5.2

SMSC Detailed SS7 over IP with M3UA (DET2 M3UA)

The Short Message Service Centre (SMSC) Detailed SS7 over IP with M3UA Course follows after the SMSC Basic Operator and Detailed I Course. This intensive course continues going in-depth into the SS7 protocols and interfaces. Participants learn about advanced configurations and how to analyse and solve common problems related to SS7-over-IP running M3UA.

Duration

2 days (9am–5pm, change on request)

Objectives

On completion of the course participants will:

- have gained a thorough understanding of the SS7 protocol and interfaces
- be able to reconfigure the SS7-over-IP stack running M3UA
- be able to trace and troubleshoot issues on SS7-over-IP network

Intended audience

The course is intended for experienced SMSC System Administrators and Operators.

Prerequisites

- It is required that participants did attend the SMSC Basic Operator Course.
- We recommend participants to attend the SMSC Detailed I Course first before the SMSC Detailed M3UA, but this is not mandatory.
- Participants should have at least three months experience in operating and maintaining the SMSC.

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

6 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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SMSC Detailed SS7 over IP with M3UA Outline

Day 1.

SS7 and SS7-over-IP introduction (60 min)

- Theory: Overview of SS7 and SS7 over IP protocol layers

SS7 MTP1 (30 min)

- Theory: Discussing the MTP1 layer functionality

SS7 MTP2 (30 min)

- Theory: Discussing the functionality of MTP2 layer

SS7 MTP3 (30 min)

- Discussing the functionality of MTP3 layer

SS7 SCCP (60 min)

- Discussing the functionality of SCCP layer

SS7 TCAP (30 min)

- Discussing the functionality of TCAP layer

SS7 MAP (30 min)

- Discussing the functionality of MAP layer

SigTran SCTP and M2PA (60 min)

- Discussing the functionality of SCTP protocol and the M2PA layer

SigTran M3UA (30 min)

- Discussing the functionality of M3UA layer

Day 2

SMSC Interface to SigTran network (120 min)

- Theory: SMSC IP7 entity functionality and configuration points
- Hands-on: SMSC IP7 configuration

SMSC Point Code routing (60 min)

- Theory: SMSC GIW entity functionality and configuration points
- Hands-on: SMSC GIW configuration

SMSC Global Title routing (90 min)

- Theory: SMSC GTT functionality and configuration points
- Hands-on: SMSC GTT configuration

Tracing and Troubleshooting (60 min)

- Exercises: Familiarize with the trace tools

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

Email: contact@acision.com