ITTcert BY ORSYS

# Course : IBM SMP/E for z/OS Workshop (ES26G)

**Official IBM course.**

*Practical course - 5d - 35h00 - Ref. ES6*
*Price : 4450 € E.T.*

This course is designed to provide the SMP/E skills needed to install and maintain optional features and maintenance in the z/OS operating environment. You will learn how to define the SMP/E database and how to invoke SMP/E to add, modify or replace system elements. The course includes in-depth hands-on exercises using a current level of SMP/E, etc...

## Teaching objectives

**At the end of the training, the participant will be able to:**

- Describe how SMP/E is used as a system maintenance tool
- Interpreting change control instructions in a SYSMOD example
- Create a consolidated software inventory database
- Use SMP/E dialog boxes to install a product and its associated service
- Manage SYSMOD exception data
- Describe the use of primary and secondary data sets required by SMP/E
- Analyze SMP/E processing output and resolve frequently encountered problems
- Describe the use of the REPORT command to determine software dependencies between zones
- Use the BUILDMCS process to create a SYSMOD function from an installed product and its service
- Use the new SMP/E functions to automatically install the software service via the Internet
- Implement FTP client support for the communication server

## Intended audience

Programmeurs système sans expérience préalable de SMP qui prévoient d'utiliser SMP/E pour la maintenance et l'installation du système et des sous-systèmes.

## Prerequisites

Completion of the following training courses or knowledge of: z/OS Systems Fundamentals (ES10) (ES10A) and z/OS Access Method Services and VSAM, (SS83) (H3840).

## Practical details

**Teaching methods**

Animation de la formation en français. Support de cours officiel au format numérique et en anglais. Bonne compréhension de l'anglais à l'écrit.

## Course schedule

**1  Introducing SMP/E**

- Sources SYSMOD.
- SMP/E process.
- SMP/E installation process.

**2  SYSMOD packaging presentation**

- Modification control instructions.
- Packaging techniques.

**3  Element level monitoring**

- Monitor the evolution of components installed in the z/OS system.

**4  Consolidated software inventory**

- Control information.
- Status information.
- Information on content and structure.
- Zone management commands.

**5  Performance requirements**

- Launch of SMP/E.
- SMP/E data sets.
- Dynamic allocation.

**6  RECEIVE and REJECT controls**

- Introduction to RECEIVE and REJECT commands.
- Introducing HOLDDATA.

**7  APPLY treatment**

- Operands.
- SYSMOD selection.
- Applicability checks.
- JCLIN treatment.
- Element selection.
- Element installation.
- CSI updates.
- Reports.

**8** **ACCEPT processing**

- Introduction to the ACCEPT processing command.

**9** **RESTORE command**

- Introducing the RESTORE command.

**10** **BUILDMCS and LINK MODULE controls**

- System structure.
- Introducing the BUILDMCS command.
- LINK MODULE command overview.

**11** **LIST and REPORT commands**

- LIST processing.
- Introducing the REPORT command.
- SMP/E scenarios.

**12** **SMP/E and the network**

- Electronic delivery SMP/E.
- Improvements to SMP/E Internet delivery.

**13** **Using the new installation and maintenance strategy**

- Automate installation and update processes with z/OMSF.

## Dates and locations

**REMOTE CLASS**
2026 : 23 Mar., 1 June, 14 Sep., 23 Nov.

**PARIS LA DÉFENSE**
2026 : 23 Mar., 1 June, 14 Sep., 23 Nov.