



## GSM Maintenance MSC/BSC Extended



LZU 108 5031 R6A/2

### Description

This course is essential for those wishing to practice implementing their hardware maintenance skills and knowledge on the AXE nodes of the GSM R12/R13 MSC/BSC. Having attended previous courses and acquired the prerequisite knowledge, students on this course, work full-time hands-on in a guided environment to put their prerequisite skills into practice.

Upon completion, you will be able to deal with hardware faults on the central elements of the AXE, like Central Processor, Group Switch and APG 40 or APG43, and follow maintenance routines using system documentation and local operation and maintenance (O&M) tools.

### Learning objectives

On completion of this course the participants will be able to:

- 1 Identify hardware components and interconnections of the relevant Group Switch using online and exchange documentation.
- 2 Identify the hardware components and interconnections of the Input / Output (IO) configuration, using O&M tools and online documentation.
- 3 Detect and solve intermediate level faults in IO hardware, using O&M tools and online documentation.
- 4 Access and use IO logging functions in the detection and analysis of system faults, using O&M tools and online documentation.
- 5 Access and use IO file processing functions to gather and distribute essential exchange data, using O&M tools and online documentation.
- 6 Determine the actions of the Maintenance Subsystem (MAS) in supervising CP hardware and handling CP faults, using O&M tools, exchange printouts, and online documentation.
- 7 Determine the MAS actions in CP software supervision and recovery, using O&M tools, online documentation, and direct observation.
- 8 Handle CP software recovery alarms, using O&M tools and online documentation.
- 9 Handle an intermediate level CP stoppage, using O&M tools, online documentation, and the CP Test (CPT) system.

