

SIEMENS INTRODUCTION TO PROFIBUS, ETHERNET & PROFINET

COURSE SPECIFICATIONS

Course Code: SCT-S7NETSIA

Course Length: 3 Days

**Also known as Siemens Introduction to Networking.*

PRE-REQUISITES

Completion of either the ST-PRO1 or ST-SERV2 courses.

COURSE OBJECTIVES

This course introduces MPI, PROFIBUS and Actuator-Sensor Interface (AS-i) networks within an S7 PLC automation system. Students will build skills with the basics of network installations, configuration, and troubleshooting.

This course covers sensor, field and level networks including hardware and software requirements, and installation rules. Specific network protocols are discussed and working lab exercises are used to learn configuration and parameterization requirements with SIMATIC Net. Specific SIMATIC Communication Processors (CPs) and their functions are reviewed, including project and subnet creations with the SIMATIC manager.

The course format is a combination of instruction and hands-on exercises.

LEARNING OUTLINE

1. Describe the Various Industrial Networking Options and Terminology in the S7 Environment.
2. Install and Configure Simple Networks Including, Interface Modules, Software, and Cables
3. Configure and Troubleshoot SEND/RECEIVE Connections
4. Install and Address Various Sensor and Field Devices Including 3rd Party Devices.
5. Troubleshoot and Repair Basic Industrial Networks Including MPI, PROFIBUS and AS-i.

CERTIFICATION

Successful participants will receive an **international Siemens certificate**. Siemens LTD is accredited by **merSETA** to fulfil the functions as contemplated in SAQA regulation 13 for the standards and qualification as detailed in the statement of accreditation.

MERSETA TRAINING PROVIDER

Onetrust Training Solutions has received full accreditation as a **merSETA Training Provider**. (Certification number: 17-QA/ACC/2313/21.) We are in the process of extending our scope of accreditation for most of our individual training courses and skills programmes.

CONTACT DETAILS

Further enquiries may be directed to:

ONETRUST TRAINING SOLUTIONS (PTY) LTD

Vanderbijlpark | South Africa

Tel: +27 16 982 1651

Cell: +27 83 565 0915

Email: admin@otts.co.za