

SIEMENS SINAMICS DCM 6RA80 DIAGNOSTICS & SERVICE

(DR-DCM-PM)

COURSE SPECIFICATIONS

Course Code: DR-DCM-DG

Course Length: 5 Days

TARGET AUDIENCE

Commissioning/configuration engineers and service personnel.

PRE-REQUISITES

Completion of SD-DRV-FUN course.

COURSE OBJECTIVES

This training course shows you how to adapt the parameter settings for the converter in line with the application and DC motor. It also gives you the opportunity to broaden your theoretical knowledge by means of exercises carried out on special training equipment. Once you have completed the course, you will be familiar with the functions of a converter and the respective interfaces. You will also be able to commission a converter quickly and reliably. Routine fault diagnosis and rectification help save time and optimize the availability of your plant.

TARGET AUDIENCE

Commissioning engineers, configuring engineers, and service personnel.

LEARNING OUTLINE

1. Structure and functional principles of the SINAMICS DC MASTER converter: Control Unit CUD, Power Module, excitation circuit, interfaces
2. Commissioning and parameterization activities using the BOP20 and AOP30 operator panels as well as the STARTER PC program
3. Using CompactFlash cards: Structure and data backups
4. Procedures for commissioning and functional checks
5. Optimizing current regulation and closed-loop speed control, automatic optimization
6. Function block diagrams: Setpoint channel, inputs/outputs, free function blocks
7. Drive-end interface to PROFIBUS / PROFINET

8. Expansions with Terminal Modules and Sensor Modules via DRIVE-CLiQ
9. Operating states, alarms, and fault codes
10. Service functions: Trace, measurement functions, diagnostic memories
11. Practical exercises with the AOP30 and STARTER on training equipment

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:

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