

Course description

G566e – Revamp and Modernisation

Internet Course (EN)

Revamp, Rebuild and Modernisation issues

Course Duration

3.0 hours, depending on personnel knowledge

Course type

This course includes self-study material, self-assessment questions and interactive exercises. The language of the course is English.

Course Goal

The goal of this course is to learn the basics of revamp and modernization for ABB DC Drives.

The training covers the following topics:

- Reasons to do a modernisation
- Engineering
- Rebuild products
- DCS800-R Rebuild Kit

Student Profile

- Sales engineers,
- Product engineers and
- Engineering people who are planning, installing and servicing DC converters.

Prerequisites and Recommendations

The student should have:

- Basic knowledge about electrical wiring
- Basic knowledge about product portfolio
- Basic knowledge of DC drives engineering

Preparation e-Learning courses

- G570e – DC Fundamentals
- G575e – DCS800 Portfolio
- G560e – DCS800 Basic Training (D1-D4)
- G569e – DCS800 Basic Training (D5-D7)

prior to attending this course.

Course Objectives

Upon completion of this course, students will be able to:

- Understand why a drive modernisation is necessary and how to approach
- Know all ABB DC Drive products which can be used to perform a modernisation
- Plan, dimension and commission a DCS800-R Rebuild Kit

Main Topics

- Motivation for revamp projects
- Important parts of a drive system which can be modernized
- Required engineering
- Revamp products portfolio including benefits and usability for revamp projects
- Revamp of drives including an application program (e.g. DCS500 GAD)
- DCS800-R Electrical engineering
- DCS800-R Mechanical engineering
- DCS800-R Control engineering
- DCS800-R Rebuild Kit package
- DCS800-R Mounting and connection of
- DCS800-R Current and voltage scaling
- DCS800-R Parameter settings
- DCS800-R Commissioning

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