

SESSION PLAN

TC135 – Simocode DP

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Course Summary and Equipment Requirements

This is a Knowledge Session.

At the end of this session the participants will be able to

- Log onto a Simocode Module
- Upload from the Module
- Find Simocode settings and Diagnostic values

It is broken up into the following modules

Module 1 – Introduction and Hardware

Duration - 30 minutes

Module 2 – Connect to the Simocode, Upload and Download

Duration - 60 minutes

Module 3 – Monitoring and Diagnostics

Duration - 30 minutes

Module 4 – Internal Configuration

Duration - 30 minutes

The following equipment is required

- Item 1 – Laptop with serial port and RS232 cable
- Item 2 – Data projector

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1 Purpose Statement

At the end of the session the participants will be able to

- Log onto a Simocode Module
- Upload from and download to the Simocode
- Find and display settings and Diagnostic information.

2 Introduction

Simocode Modules are becoming a common method of DOL drive control and protection. They allow networked control of drive systems.

They are configurable via Windows based software and are able to display a wide range of live data and alarms.

2.1 Why the Participants have been Chosen

The participants of this course have been chosen because they are required to maintain and fault find Simocode modules..

They maybe required to perform uploads into new or failed configurable Simocode modules.

2.2 Where This Course Fits in

This course fits alongside all the training on specific PLC configuration software. It requires that the participant be competent working in the Windows operating system environment.

2.3 Objectives of the Course

The objectives of this course are that the participants learn to

- Access a Simocode Module
- Upload and download configurations
- Monitor statistical data and live diagnostic values.

2.4 How the Session Will Run

This session is fully described in the training notes "TC135 - Simocode DP.ppt".

This session will be run as a Knowledge session

It will be broken up into four modules as follows

Module 1

Explanation – An explanation of the hardware of a Simocode module

Activity – Discussion.

Revise

Module 2

Explanation – Connect to the Simocode, Upload and Download

Activity 1 – Connect to a Simocode module and upload it's configuration.

Revise

Module 3

Explanation – Monitoring and Diagnostics

Activity 1 – Connect to the Simocode and display monitoring/statistics pages.

Revise

Module 4

Explanation – Internal Configuration

Activity – Discussion.

Revise

2.5 Motivation for the Attendees

This session will allow the attendees to be able to easily access Simocode diagnostics and statistical information.

They will be able to backup a configuration and download configurations into new Simocode modules.

2.6 Prior Experience

Determine who has had prior experience.

Do they want to proceed directly to the test?

Would they be willing to demonstrate what they know as it is addressed in the course?

3 Test

The test for this session is

1. Describe physical aspects of a Simocode module.
2. Connect to the Simocode module.
3. Upload the module and monitor live and statistical data.

Note: test must be

- Valid to the material covered
- Quick to set and take
- Reliable – clear answers
- Cover a good sample of the course
- Discriminate between attendees who now know the material and those who don't.

4 Summary

Help is available from the trainers at the Process Control Training Centre or from others who have done this course.

It is suggested that the participants first talk amongst themselves, then the nearest DC5/DC6, then the PCTC trainers and finally the Technical Consultant Process Control as they begin to apply the knowledge gained today.

Participants are welcome to book an appointment at the PCTC to refresh their skills and clarify or discuss any issues arising from field experiences. The PCTC is available at any time when it is not being used for a training session.
Document conclusions – generally similar to the Introduction.