

Training Course Agenda for CENTUM VP Maintenance

Course Code	:	CENTUMVPMNT
Objectives	:	This course is designed to provide participants with an understanding of hardware, daily maintenance procedures and measures to be taken when system alarm messages are generated. An optional engineering fundamentals day is available for students who need to modify and understand I/O, control loops and logic control.
Course Duration	:	2 days + 1 optional day
Training Hours	:	morning session 9 ⁰⁰ to 12 ⁰⁰ afternoon session 13 ⁰⁰ to 16 ⁰⁰
Trainees	:	8 maximum
Participants	:	For CENTUM VP engineers and technicians who need to perform maintenance on the CENTUM VP system.
Prerequisite	:	None
Documentation	:	CENTUM VP Course Manual
Location	:	To be advised
Additional Information	:	Please provide names and a short history for each trainee of experience with digital control systems on the attached course enrolment form.
Contact Information	:	National Training Centre Yokogawa Australia Pty Ltd Tower A,112 – 118 Talavera Rd, MACQUARIE PARK NSW 2113 AUSTRALIA telephone : +61 2 8870 1100 facsimile : +61 2 8870 1111 e-mail : training@au.yokogawa.com Training site : http://www.yokogawa.com/au/cp/trainingcentre.htm Website : http://www.yokogawa.com/au/

Course Content

Day	Topic	Description
1	System Configuration and Functional Overview	Overview of system components Review of project configuration
	Basic Operating Procedures	Using the operator station (HIS) to access plant data and system information
	System Status Diagnostics	Diagnosing system faults using the HIS System Status display
	Process and Historical Reports	Reviewing current and historical system status information.
2	Hardware and daily maintenance of HIS, FCU and I/O Modules	Preventative maintenance procedures, parts that require periodic replacement, and replacement procedures.
	Fault finding system hardware	Methods for fault finding hardware problems.
	Network maintenance	Operations of the Vnet and Ethernet networks and fault finding techniques.
	HIS installation procedures	How to re-install a HIS in the event of hard disk failure.

Optional 3rd day –Engineering Fundamentals

Day	Topic	Description
3	System View	Introduction to the engineering interface package
	I/O Configuration	How to modify I/O points, including adding and deleting hardware
	Control Loop Configuration	Setting up and modifying control loops. Includes concepts such as PID, cascade, tracking
	Logic control configuration	Understanding sequence tables and logic charts

FCU - Field control unit

HIS - Information and command unit