



1 Course introduction

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1.1 Course goal

The purpose of this course is to provide maintenance and technical support personnel with the ability to perform daily maintenance and trouble-shoot the ProSafe-RS system. The course will outline the system's safety features and provide the opportunity, through hands-on exercises, to execute maintenance commands.

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

- State the purpose of each module in a ProSafe-RS system.
- List the communication pathways available in ProSafe-RS.
- Explain the safety features provided in ProSafe-RS hardware and software.
- Use *ProSafe-RS Workbench* software to debug a ProSafe-RS configuration.
- Interpret diagnostic information/messages available through ProSafe-RS software.
- Describe the response of the ProSafe-RS system to fault conditions.
- Use Maintenance functions available in the system

1.2 Course schedule

The course is divided in two parts. The first part is how to operate the Workbench for monitoring the Safety part of a project and to modify for example a setpoint.

In the second part subjects will be covered which have a close relation to daily operation and trouble-shooting.

DAY	TOPIC	SECTION	EXERCISE
1	Introduction/Welcome	1	None
	Introduction to Safety Systems	2	None
	ProSafe-RS Documentation	3	ProSafe-RS Documentation Familiarization
	ProSafe-RS Hardware	4	ProSafe-RS Hardware Familiarization
	Mandatory Information	5	
	ProSafe-RS Workbench	6	Opening existing project + online mods
2	Features of the Workbench	7	Using the features of the Workbench
	Maintenance Procedures	8	Several exercises
3	IOM reports	9	IOM report exercise
	Vnet/Vnet-IP commands	10	Vnet exercise
	Miscellaneous commands	11	Miscellaneous commands
	Course Evaluation	-	None