

GuardPLC™ Controllers

GuardPLC™ 1600/1800 Controller Systems Maintenance and Troubleshooting Course Description

COURSE AGENDA

- Modifying and Downloading an RSLogix Guard PLUS Project
- Configuring and Exporting GuardPLC Diagnostic Logs
- Troubleshooting GuardPLC 1600/1800 Controller Errors
- Monitoring and Testing an RSLogix Guard PLUS Routine
- Forcing an RSLogix Guard PLUS Project Signal
- Archiving and Restoring an RSLogix Guard PLUS Project



COURSE NUMBER: SAF-PLC102

Course Purpose

This course provides you with the necessary resources and hands-on practice to efficiently maintain an RSLogix Guard PLUS project and troubleshoot a GuardPLC controller. It builds upon your fundamental knowledge of common controller terms and operation, and your ability to save, compile code, and download a project.

This course adds to your skill set by introducing new tasks such as creating and connecting signals, modifying a function block program, and troubleshooting problems with the controller. You will also learn offline and online monitoring and testing of a routine, forcing project signals, and configuring and exporting diagnostic logs for locating errors and simulating test conditions that do not occur in normal operation.

Who Should Attend

Individuals who need to maintain RSLogix Guard PLUS projects and troubleshoot GuardPLC controllers should attend this course.

LISTEN.
THINK.
SOLVE.

Prerequisites

To successfully complete this course, the following prerequisites are required:

- Ability to perform basic Microsoft Windows tasks, such as using a mouse and moving windows
- Completion of the *GuardPLC 1600/1800 Controller Systems Fundamentals* course (Course No. SAF-PLC101)
- Experience with industrial control applications is recommended

Student Materials

To enhance and facilitate each student's learning experience, the following materials are provided as part of the course package:

- *Student Manual*, which contains the topical outlines and exercises. Students will use this manual to follow presentations, take notes, and work through the exercises.
- *RSLogix Guard PLUS and Guard PLC Procedures Guide*, which provides all of the steps required to complete basic RSLogix Guard PLUS software tasks that are common to GuardPLC controllers. By following the procedures in this job aid, students can immediately apply what is learned in the course to their own jobs.
- *GuardPLC Documentation Reference Guide CD*, which contains several relevant technical publications. This searchable, electronic resource contains the most frequently referenced information and is a quick and efficient on-the-job resource.

Hands-On Practice

Throughout the course, you will have the opportunity to practice skills that you have learned through a variety of hands-on exercises. You will also have the chance to troubleshoot several errors that can occur during operation of a GuardPLC controller. Also, you will gain experience monitoring an RSLogix Guard PLUS project both offline and online as well as test a routine for errors that do not occur during normal operation of a controller.

Next Learning Level

Individuals who have little or no experience with configuring diagnostic signals and pages, distributed digital I/O, and peer-to-peer communications should consider learning more by completing the following course: *GuardPLC 1600/1800 Controller Systems Programming* (Course No. SAF-PLC103).

Course Length

This is a one-day course.

Course Number

The course number is SAF-PLC102.

IACET CEUs

CEUs Awarded: 0.7



To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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Power, Control and Information Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846