



Synopsis

This course is designed for personnel who are responsible for PLC based systems and Graphical User Interfaces, who have attended the RSVIEW104.1 (RSVIEW Level 1 Course). The course will deal with Graphic User Interfaces of moderate complexity.

RSVIEW: Level 2 Alarming, graphics (self modifying), Active X controls, parameter files, node switching, multilevel animations, Data Logs, Activity Logs, Alarm Logs, Exporting native RSVIEW logs to Microsoft Access and Excel formats, using VBA to directly log to a Microsoft Access database, importing data from Microsoft Access and Excel to RSVIEW tags.

Day 1

Review of course RSVIEW104.1 material.

RSVIEW: Setting up custom alarming. Various severities.

Lab. Create alarm system for the Spray Gun analog controls.

Lab. Create a custom RSVIEW Alarm Summary for the Spray Gun analog alarms.

RSVIEW: Historical alarm retrieval. Using various internal RSVIEW historical alarming; Dbase 4 and ODBC.

Lab. Set up RSVIEW Alarm Log using Dbase 4 method. Import the Log into Microsoft Access. Create a n Access report to display and print the Alarm log.

Lab. In Microsoft Access create a query which will permit a date range selection of alarms. Change Access report to use query as data source.

Lab. Create an ODBC connector.

Lab. In RSVIEW, use the AlarmLogSendToObdc command to automatically export alarm logs to Microsoft Access every 10 minutes.

Lab. In Microsoft Access create a report to display the ODBC format data for the alarm logs.

Lab. In Microsoft Access create a query which will permit a date range selection of alarms. Change Access report to use query as data source.

Day 2

RSVIEW: Setting up custom Data Logs.

Lab. Create a Data Log using Dbase 4 format. Triggered by an event.

Lab. Create a Data Log for the Spray Gun analog feedback using time as trigger.

Lab. Link the Log into Microsoft Access. Create Access reports to display and print the Data logs.

Lab. Create a button in RSVIEW which will automatically launch the Microsoft Access application.

Lab. Using the ODBC connector, change the RSVIEW Data Log to use ODBC format.

Lab. In Microsoft Access create a report to display the ODBC format data for the data logs.

Lab. In Microsoft Access create a query which will permit a date range selection of alarms. Change Access report to use query as data source.

RSVIEW: Using RSVIEW VBA.

Lab. Disable RSVIEW data logs. Write VBA code to write data directly into a Microsoft Access table.

Lab. In Microsoft Access create a report to display the direct log via VBA, data.

Day 3

RSVIEW: Retrieving data from a Microsoft Access table via VBA to RSVIEW tags.

Lab. Write VBA code in RSVIEW which retrieves data directly from an Access table.

Lab. In Access create a Form which allows user to change data in table. Verify the changes are reflected in the RSVIEW application by displaying the data on an RSVIEW screen.

RSVIEW: Retrieving data from a Microsoft Excel worksheet via VBA to RSVIEW tags.

Lab. Write VBA code in RSVIEW which retrieves data directly from an Excel worksheet.

Course: RSV104.2 RSView Level 2

Lab. Write VBA code in RSView which sends data directly to an Excel worksheet.

RSView: Using Activity Logs

Lab. In RSView program a button which opens the Activity Log viewer.

RSView: Multilevel animations.

Lab. Create an RSView application which allows the user to “force” color changes valves on and off in Manual mode.

Lab. Write conditions into the buttons which prevent operator error.

Day 4

RSView: The power of Parameter files.

Lab. Change color change force application to use parameter files vs direct addressing.

Lab. Enhance color change application to allow user to configure timers and valves used in the sequence.

Lab. Change color change configuration, so that configuration data is imported directly from an Excel worksheet.

Lab. Change color change configuration, so that configuration data is imported directly from an Access table.

RSView: Using RSView Activity Logs.

Lab. Create a menu button which opens the Activity Log Viewer.

RSView: Understanding the implications of Node Switching.

Lab. Use one color change control screen to control 4 different PLCs without tag modifications using Node Switching.

Classroom Materials.

All students will be furnished with:

Allen Bradley PLC

PC running RSView32 development editor.

Allen Bradley I/O gear.

Actual conveyor, robot and spray gun equipment.

Detailed Lab Instructions.

Instructional Material.

Classroom Schedule

8:00 AM thru 4:30 PM Monday thru Thursday

Lunch at 12:00PM Monday thru Thursday will be provided.

