Advanced Visual Testing Software

4.5 Days, 3.2 CEUs

AVTS is an automatic relay testing database that enables you to operate Megger® test sets via a computer interface rather than manually. This software records testing variables and results, ensuring consistency in testing over the years and allowing for trending. It also provides users with a quick, easy way to test relays to manufacturers' specifications, and eliminates the time and costs of creating test routines. Technicians who try to use this software without guidance often will have the most difficulty setting up the communications. As relay technology advances, it takes longer than ever before to develop test modules. Technicians with effective AVTS skills can minimize time, money and effort required for their testing program.

This hands-on course is intended for electricians, technicians and engineers responsible for the maintenance, testing and calibration of relays and other devices. Students will receive an upgrade to the current version of AVTS® and Megger's complete library of relay test modules.

Pre-Requisites

Student must bring a laptop and have full administration rights to install the AVTS software, to complete the class labs. Laptop must have Windows XP/Vista/7/8, 600+ MHz processor, 4+GB hard drive space, 1+GB RAM, and a CD-ROM drive. IPads and tablets without CD-ROM or USB ports are not acceptable.

Lab and Classroom Attire

AVO is committed to the personal safety of each participant and requires safety glasses, long pants and ANSI rated "safety-toe" work shoes for lab activities. Lecture courses may involve a tour of a work or shop area and for this reason open-toe shoes and shorts are not considered appropriate attire for the classroom.

Learning Objectives

To receive 3.2 CEUs, the participant must attend 4.5 days of class (32 contact hours) and attain a minimum average grade of 80% (overall grade will consist of 50% lab practice and 50% final exam). Upon completion of this course, the participant will demonstrate that he/she is able to:

- Setup software and hardware for test set communications
- Configure a new AVTS database
- Import test modules
- Modify modules for specific relays
- Use tools and editors to enhance testing
- Test electromechanical and microprocessor relays
- Analyze test results for trending and prioritizing repairs

SCOPE

Day 1* (7 contact hours)

I. Introduction to AVTS Database (2 hrs)

AM Break

II. Introduction to the AVTS Setup Options (2 hrs)

Lunch

III. Introduction to the AVTS Explorer (1.5 hrs)

PM Break

IV. Introduction to the AVTS Workbook (1.5 hrs)

Day 2 (7 contact hours)

V. Creating New Devices (What) (4 hrs)
   A. Right Mouse Functions
   B. Using the Device Wizard

AM Break
   C. New Settings
   D. New Groups
   E. General Information

Lunch

VI. Creating New Relays (Where) (3 hrs)
   A. Using the Relay Wizard

PM Break
   B. New Relays

*Class scheduling times may vary based on discussions and size of class

AVO Training Institute is accredited by the International Association for Continuing Education and Training (IACET) and is accredited to issue the IACET CEU

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Day 3 (7 contact hours)

VII. Creating New Tests (5.5 hrs)
- A. Using the Test Wizard
- B. Creating Manual Tests

AM Break
- C. Settings
- D. Test
- E. Test Editor

Lunch
- F. Monitor Editor
- G. Connection Editor
- H. General Information

PM Break

VIII. Controls (1.5 hrs)
- A. Properties
- B. Editing

Day 4 (7 contact hours)

IX. Troubleshooting Tests (2 hrs)

AM Break

X. Importing PulseMaster Database (2 hrs)

Lunch

XI. Generating Reports (1.5 hrs)

PM Break

XII. Using the AVTS Database ..... (1.5 hrs)

Day 5 (half day) (4 contact hours)

XIII. Final Review (3 hrs)

AM Break

XIII. Final Review (cont'd) (1 hr)