

# Auto-Testing Program for IPC DVDs / OVTs

## User's Guide v.4

Below are the features and procedures for the Premium auto-testing program as used with IPC DVD and OVT training media. Its purpose is to provide computer-based, automated testing, grading and certificate generation – on PCs, over networks or intranets.

It is the user's responsibility to implement this program correctly for proper functionality, and with adequate security and permission settings or policies to prevent unauthorized access. IPC claims no liability for the implementation and use of this testing tool.

This Flash-based program will run on stand-alone PCs, over computer networks (LAN or WAN), or across the internet. There are no read / write access privileges required on your server in order to run this program – as there are no records written or recorded to the program files on your PC / server.

Find the latest [User's Guide](#) and other information related to this testing program.

### **System Requirements:**

Any Windows PC or Network O/S

256 MB RAM

5 MB hard drive space

Display designed for 1024 x 768 screen size or larger

Flash Player or Browser Plugin

### **Installation & Launch**

After downloading and unpacking the ZIP file, place all program files in a directory or folder on your server or PC, and provide a link to that location on your server for all students.

Double-clicking the “index.html” file will run the testing program in your default web-browser or Flash player.

## Basic Operation

At the user log-in screen, your students will be prompted to enter First and Last Names as they wish them to appear on their certificate of completion. Also, an Employee ID number if required by your company. (This ID number will appear in email notification, not on the certificate.)

The student is prompted to answer a series of randomly generated multiple-choice or True / False questions, and is remediated by “correct / incorrect” computer responses only. The final score is displayed on the last screen of the test, and the user then has the option of printing their results or certificate for his or her own records, or to give to their training administrator.

## Email Notification

Automatic email notification of student test data, Name, ID # (if input by student at log-in), date, test name and score, may be sent to an email address of your choosing for Training Administration or HR data collection. However, you must set up a script on your server in order to implement this function.

While IPC does not have the resources to provide for technical support in the implementation of scripts upon individual servers, sample scripts are provided as examples. (One script for PHP-based servers and one for Microsoft ASP servers.) These scripts are located in a “scripts” folder in the root directory of the program as “send.php,” and “send.asp,” respectively. NOTE: These scripts are NOT meant to be “ready for use.” Your IT staff must incorporate similar scripts specific to your server type and configuration. Contact us for technical questions related to our Flash program’s use of these scripts to send an email.

You must also edit the “quiz.xml” text file (using Notepad or the equivalent), for email address and script location. The XML file is also in the root directory and has the necessary fields near the top of the page...

**<mailto>See Your User's Guide</mailto>**  
**<script>See Your User's Guide</script>**

You must replace the entire text in red with the appropriate information specific to your company, for example...

**<mailto>YourTrainingAdmin@YourCompany.com</mailto>**  
**<script>http://YourWebsite.com/FolderLocation/send.php</script>**

## Customizing Test Data / Images & Scoring

This is also accomplished by editing the “quiz.xml” file. *Questions may be edited, deleted or added.* You must be careful to maintain the coding structure of the original XML document, otherwise your questions will not display properly.

Questions are bracketed by “item” fields, per below...

```
<item>
  <question>Most people feel ESD above </question>
  <answer correct="y">A) 2,000 volts</answer>
  <answer>B) 20,000 volts</answer>
  <answer>C) 20 volts</answer>
  <answer>D) 200 volts</answer>
</item>
```

Any “question” or “answer” parameters may be changed to your company-specific requirements *as long as you keep the exact coding structure.* The correct response is marked within the answer itself by “<answer correct=“y”>.” Questions may be deleted by removing everything starting at “<item>” through “</item>”.

You can also change any multiple choice question to *True / False format* this way...

```
<item>
  <question>Most people feel ESD above 2,000 volts</question>
  <answer correct="y">A) True</answer>
  <answer>B) False</answer>
  <answer>none</answer>
  <answer>none</answer>
</item>
```

For *questions that include a picture* or graphic, you will see an additional field, that of “image”...

```
  <question> This component appears to be at the maximum
acceptable limit for side overhang, or dimension A</question>
  <answer correct="y">A) Yes</answer>
  <answer>B) No</answer>
  <answer>none</answer>
  <answer>none</answer>
  <image>assets/image.jpg</image>
</item>
```

If adding questions with images, include the “image” fields below the last answer and place the graphic – by its proper name – in the “assets” folder in the root directory of the program. Your graphic will then display alongside that question.

The *default passing grade* is set at 70% correct. You may increase this value, but you may not decrease it – if you want your student to qualify for IPC Training Certification certificates.

The passing score parameter is found in the top of the XML document as...

`<passing>70</passing>`

Simply increase this value to your desired limit.

### **Customizing Logo Display**

The *IPC Logo* – which is displayed on every screen during the test – is also contained in the assets folder as “logo.jpg.” You may substitute your own corporate logo for any IPC testing program by swapping in your logo graphic and giving it the same file name.

### **Tech Support and Latest Info**

Please email us: [trainingsupport@ipc.org](mailto:trainingsupport@ipc.org)

Or call: 575.758.7937.

See our [Online Video Training \(OVT\) home page](#) for the latest documentation and information.