

TEST SYSTEM DOCUMENTATION & UPGRADE SERVICES

TEXTRON Systems



Better, Faster, More Affordable Testing

AAI Test & Training's Automated Test Equipment (ATE) group provides a range of services to keep test systems running effectively and efficiently for the long haul. With comprehensive system documentation and upgrade services, customers can maximize the life of their equipment investments while maintaining reliable, precise test capability.



TEST SYSTEM DOCUMENTATION & UPGRADE SERVICES

AAI Test & Training's ATE group is located in Austin, Texas. The team delivers a spectrum of products and services designed to keep test systems running at the peak of efficiency.

Documentation Packages

Documentation packages include complete electrical and mechanical drawings, wire lists, parts lists and associated fabrication information. The team develops documentation to the customer's standards, making direct release to the organization's document control system quick and easy.

In addition, AAI Test & Training can develop documentation for customer-designed systems by visiting the facility, reverse engineering the station and creating complete drawings to customer specifications.

The team's experienced test engineers understand how test systems operate, how they are expected to perform, and the best methods of documenting all that information to support the customer's test engineers and production personnel.

Software Porting

Test software can be ported to a new system with updated hardware, or a new operating system or language. As a result, the new system will duplicate the functions of the original station for ease of use. These services might include:

- HP BASIC to Visual Basic®
- Visual Basic to LabVIEW™/LabWindows™/CVI/C#
- UNIX™ TCI scripts to Windows®

The team's test engineers recreate and verify software programming in the new language to achieve a seamless transition.

Equipment Retrofit

AAI Test & Training can update or enhance existing test stations to meet new requirements; for example, a new device under test (DUT), test specifications or obsolete instrumentation. System ergonomics can be improved using new, flat-panel displays, articulated mounting arms and optimized fixtures. Custom chassis, boards or mechanical fixtures also can be utilized to meet unique testing needs.

For a more comprehensive approach, the team can develop a plan to replace obsolete or intermittent equipment using hardware and software modifications, while maintaining existing station capabilities with a verification plan for final acceptance.

Drawers

The team can design and fabricate custom drawers to meet individual system requirements for interfacing and control, mechanical layout, cooling, maintenance and ergonomics, including:

- DUT interface and control
- Signal mapping and cable routing
- Power supply assemblies
- Special DUT leads
- High-voltage current control



For additional information, please contact:

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