



Summit Test Solutions



**Superior Results Through
Innovative Test Technologies**

www.summittests.com

Services

With a wide range of ATS experience, Summit has the depth of knowledge to perform on a broad spectrum of ATS projects. From proposal development, trade studies to hands-on TPS design and integration, Summit is your solution to help ensure a successful program. Following are some of the areas Summit is available to assist:

- TPS design, development and integration
- ATML file generation
- ATML implementations
- ATML custom software tools
- ATS Hardware and Software integration
- Instrument driver development (IVI, VXI plug&play)
- Test Requirements & Test Strategy analysis and generation
- TPS Independent Verification and Validation (IV&V)
- ATS proposal support
- ATS trade studies
- ATE evaluation and selection

Software Experience

C, C++, C#, ATLAS, ATML, XML, L200, LabWindows/CVI, LabVIEW, TestStand

Software Products

Through the development of innovative tools, Summit Test Solutions has been applying their vast ATS and ATML standards experience to help alleviate some significant challenges in the TPS arena. In addition to the following products, Summit is available to develop custom TPS support tools to address the specific challenges on your project.



ATML Test Station File Generator

Guides the User in the creation of ATML Test Station instance files that are compliant with the IEEE ATML Standards. This tool provides the capability to create ATML files without requiring the knowledge of ATML or the XML standard.

ATML Test Adapter File Generator

Guides the User in the creation of ATML Test Adapter instance files that are compliant with the IEEE ATML Standards. As in the Test Station tool, this tool provides the capability to create ATML files without requiring the knowledge of ATML or the XML standard.

Automated Test Diagram Generator

Generates Test Diagrams automatically from ATML instance files. Test Diagrams show the routing of signals for each test in a Test Program. This tool eliminates the lengthy manual process of analyzing schematics and TPS code to generate test diagrams rather relying on the data in the ATML instance files for auto-generation of test diagrams.



Core Competencies

Summit has extensive experience in a wide variety of ATS related areas. With experience in TPS development and integration, test adapter design and TPS field support on a number of major DoD programs. In addition our experience includes TPS monitoring and TPS sell-off. Summit has been a major contributor for the industry accepted IEEE ATML standards and has leveraged this experience as part of a NAVAIR Phase II SBIR to develop ATML tools resulting in reduced cost and schedule for the life-cycle of a TPS. Summit is available to consult and advise in implementing ATML on a variety of programs. Summit engineers also have experience integrating ATE hardware and software on a variety of DoD and commercial test stations, possessing key troubleshooting and analysis skills for digital, analog, optical and RF circuitry. Included in Summit's experience is the generation and integration of instrument drivers compliant with the IVI and VXI plug&play standards. We have generated numerous trade studies and technical papers related to ATS technologies. Summit's experience includes the support of programs for the Army, Air Force, Navy and commercial industry in support of an array of weapon systems (aircraft, radar, missile, combat vehicles) as well as satellite and complex commercial electronics.



Company Overview

Summit Test Solutions has been providing engineering services for the Automatic Test System (ATS) industry since 2004. Summit has extensive experience in ATS software and hardware development and integration for the Navy, Air Force, Army and commercial industry. For years Summit has been a member of the DoD ATS Framework group, specifying ATS requirements for all the services.



Summit has performed as a prime and subcontractor on key government programs. With broad experience in all phases of ATS programs, Summit is uniquely qualified to provide robust cost effective solutions to the ATS industry.



SUMMIT TEST SOLUTIONS

Ron Taylor

Phone: (760) 310-5916

Email: ron.taylor@summittests.com

www.summittests.com