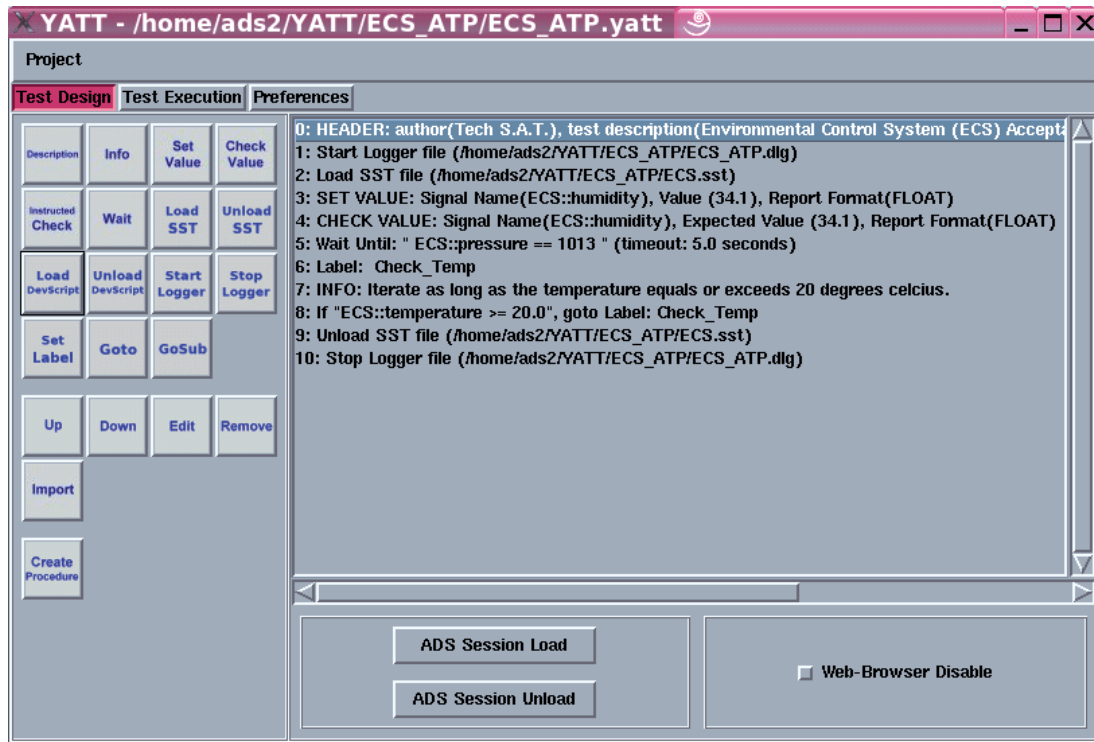


YATT Yet Another Test Tool for Avionics Production & Maintenance



- Easy and intuitive test sequence design based on ADS2 Current Value Tables (CVTs)
- Access to powerful ADS tools during test sequence execution
- Simultaneous testing of several avionics equipment through ADS2 multi-sequence execution
- Flexible test sequence execution in either interactive, non-interactive or batch mode
- Test reports in HTML format



mastering
realtime
complexity

YATT

Yet Another Test Tool

for Avionics Production & Maintenance

Abstract

YATT is an Automatic Test Equipment (ATE) to test and validate avionics electronic equipment in commercial and military aircrafts. It is ideal for use in maintenance shops to check and diagnose fault suspicious equipment as well as validating the equipment after on-site repairs such as unit exchanges, etc. This avoids having to ship the equipment back to the manufacturer leading to time, repair and operating cost savings. In addition, YATT is intended for manufacturers as a production test tool to validate and certify electronic equipment.

Architecture

YATT is an ADS2 application which enables it to make use of the powerful ADS2 tools during test sequence execution. Accordingly, the user is given much flexibility in her test sequence design process and in addition has a tool that is entirely HW independent and applies to all standard avionics I/O types supported by ADS2.

The YATT system requirements are the same that applies to ADS2, namely a VME based HW platform running VxWorks or a PC platform running Windows XP | 2K or Linux.

Feature Highlights

- > Easy and intuitive test sequence design based on ADS2 Current Value Tables (CVTs)
- > Access to powerful ADS tools (signal stimulation, logging, monitoring, etc.) during test sequence execution
- > Simultaneous testing of several avionics equipment through ADS2 multi-sequence execution
- > Flexible test sequence execution in either interactive, non-interactive or batch mode
- > Test reports in HTML format
- > Simple re-use of previously defined test sequence procedures
- > Possible re-use of CVTs and I/O-Maps from ADS2 integration test systems

Supported I/O

Avionics Buses

- AFDX® (ARINC 664)
- ARINC 429
- MIL-STD-1553
- RS-232, 422, 485
- ARINC 717
- Discrete Signals
- Digital and Analog I/O
- Synchro/Resolver
- RVDT/LVDT

Field Buses

- CAN

Other I/O

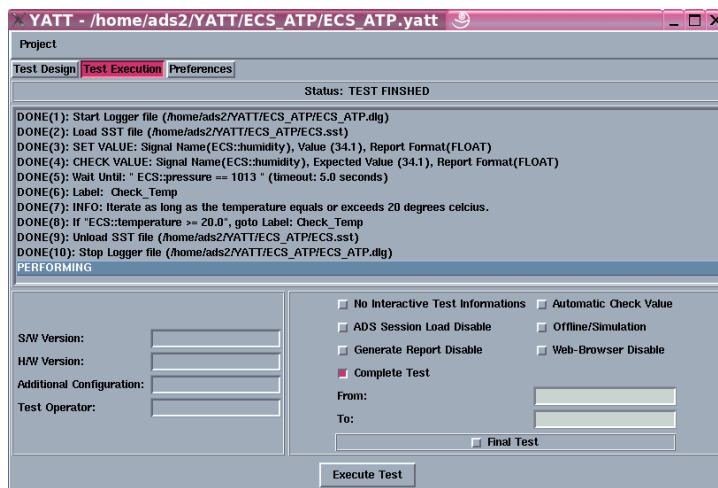
- Custom I/O according to client specification

Support I/O

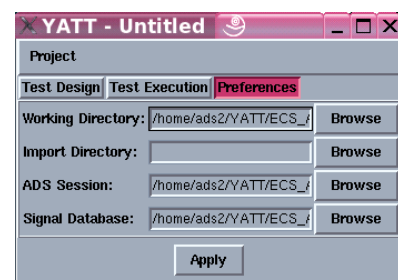
- IEEE-488 (GPIB)
- IRIG-B

Client Application Interfaces

- 10/100/1000 MB Ethernet
- SCRAMNET
- VME shared memory



YATT GUI with Preferences tab window (left) and Test Execution tab window



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