The Digital Schematic Tool (DST), aka, Point-to-Point Wiring & Signal Tracing, is a computer-based state-of-the-art troubleshooting and training application that enhances the capability of the on-equipment maintainer and the traditional trainer.

The DST is comprised of two distinct applications referred to as p2Trace™ and p2Sim™.

The p2Trace™ application is a fully interactive Computer Graphic Metafile (CGM) Level 4 replica of the Original Equipment Manufacturers (OEM) schematic drawings, which are analyzed by electronic and mechanical engineering staff and then programmed into a Relational Database Management Systems (RDBMS) for access by a maintainer. This state-of-the-art technology enables the maintainer to troubleshoot all wiring, cabling, backplane harnesses and electro-mechanical interfaces associated with any system.

The p2Sim™ application is a fully interactive emulation of all circuitry associated with a specific system function (e.g., master power). It is designed for maintainers by maintainers to impart their professional knowledge of how complex circuitry reacts under varying, selectable conditions. This custom-designed technology insertion is extremely effective both on the job as a troubleshooting / training tool and in the traditional classroom as a high-quality teaching aid.

When these two applications are integrated as a common package, a troubleshooting / tool becomes available to the maintainer / trainer that is second to none. Reductions in Mean Time to Repair (MTTR) of up to 40 percent are achievable through the use of these combined troubleshooting / training applications.

DST Overview

- A state-of-the-art troubleshooting and training application
- Effectively supports both troubleshooting and training requirements
- Used both on the job and in the classroom without modification
- Integrates seamlessly with any known IETM / IETP / ETM or stand-alone in the classroom
- A standardized, common Navigator shell facilitates both the use of the p2Trace™ and / or p2Sim™ applications
- Allows for selection of model, system and mode (Trace or Sim)
- Provides searchable and sortable schematic and component indexes that are instantly filtered in accordance with various Navigator selections
- Interactively functions with replicas of display panels
- Provides history tracking for instant recall
- Permits schematic markup save and retrieve capability
- Intuitive tutorial and context sensitive Help files
- Provides full-screen print capability

THE DST APPLICATION IS A PRODUCT OF DIGITIZED SCHEMATIC SOLUTIONS (DSS) LLC, WESTLAKE VILLAGE, CALIF.