

Press Release

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For Immediate Release

DIT-MCO Releases Comprehensive Test Management System

TestAssistant® II Streamlines Test Processes to Produce Cost Efficiencies

KANSAS CITY – DIT-MCO International’s new test programming software, TestAssistant® II, combines advanced capabilities with a robust, intuitive user interface test management system. TestAssistant II helps customers reduce costs and improve testing efficiencies by providing integrated, enterprise-wide functions that use a single database of wiring information.

Aerospace, weapons manufacturing, mass transit, satellite and telecommunications industries are expected to take advantage of DIT-MCO’s new high-powered toolset.

TestAssistant II uses its powerful database design and standard networking technology to:

- Automatically generate test programs, including programs to test complex assemblies with relays and switches.
- Automatically design adapter cables.
- Streamline troubleshooting.
- Produce printed documentation for purchasing and fabrication departments including bill of materials, wiring diagrams, and labels for cables.
- Track inventory of adapters allowing for reuse on new projects.

“TestAssistant II offers unprecedented efficiencies, usability, and cost reductions,” says Charlie Jennings, DIT-MCO National Sales Manager. For example, by implementing TestAssistant II, an aircraft manufacturer was able to eliminate redundant tasks and data, reduce costs, and accelerate production schedules. Overall, the solution cut man-hours by two-thirds. TestAssistant II can almost pay for itself on the first project.

Powerful Relational Database Provides Common Ground

Paired with a user-friendly interface, the real power of TestAssistant II lies behind the scenes in a relational database. Every function draws on shared information stored in this database.

“Setting up and sharing common data and information increases efficiency and accuracy and reduces cost in the long run,” says Jennings.

A common Parts Library means components only need to be defined once for all assembly applications, and unused components in the part list can be readily identified. Similarly, wiring analyzer system definitions allow test data to be defined independently of the tester to be used.

The Test Adapter Library streamlines documentation by generating assembly documents, such as work orders, bills of material, wiring instructions, reference drawings, summary parts lists, and cable bar code labels. This library also lets users edit wiring instructions and match wiring data to adapter cable assembly errors, thus avoiding costly assembly rework.

Adapter cables provide a good illustration of the way TestAssistant II’s common information helps improve processes. The “Adapter Cable Summary Part List” identifies everything needed to build all of the adapter cables, thus simplifying procurement and setting the stage to negotiate greater volume purchases. The database also tracks all interfaces that have been built and searches the database when a test calls for a new adapter. TestAssistant II directs the technician to a “best fit” cable for the current application, saving the cost of building and tracking an entirely new adapter.

Further, programmers can define the physical layout of the unit under test (UUT) and wiring analyzers, establishing optimal adapter cable length and cutting the time to design the physical layout of switching system cabinets or portable units.

Common files also streamline the engineering change order (ECO) process. Users may input ECOs directly into the database, identify end connectors that require adapter cable changes, and generate reports for new adapters and parts. TestAssistant II eliminates the need to repeat the entire test development process whenever there are changes to the product or component being tested. ECOs can be processed in less time with greater accuracy.

About DIT-MCO – DIT-MCO International Corporation, a worldwide leader in high voltage cable/harness test systems, has 50 years experience in the manufacture of automatic test equipment for interconnect verification. Engineering, quality control/quality assurance, manufacturing, and test personnel around the world use DIT-MCO systems. These testers are used in the aerospace (military and commercial), telecommunications and transit/rail industries. Headquartered in Kansas City, Missouri, DIT-MCO has sales and service offices in the US and UK, plus authorized agents and distributors in 17 other countries.