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T-MIR | Test – Management Information and Reporting

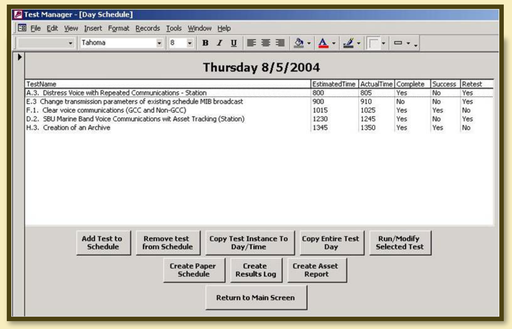
What is T-MIR?

T-MIR is a Microsoft Access application designed to run on a laptop that testers can take with them into the field. Multiple testers, over a dispersed area, can combine their results in T-MIR which stores the system's entire program test and evaluation history within a single database. The following capabilities are provided by T-MIR:

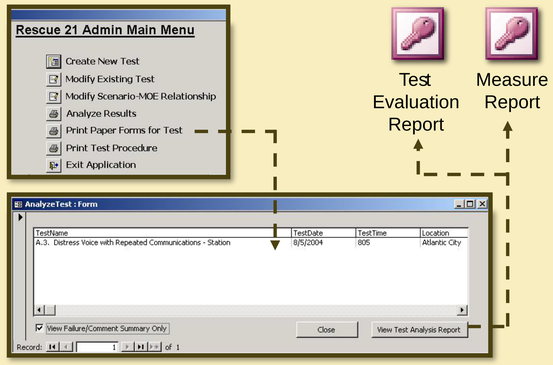
- ✔ **Test Planning**
- ✔ **Test Development**
- ✔ **Test Execution**
- ✔ **Test Analysis and Metrics**
- ✔ **Reporting**
- ✔ **Management Control**

T-MIR is easily "tailorable" in order to meet the specific needs of any program, in any phase of Test (i.e., developmental, integration, performance, OT&E, etc.).

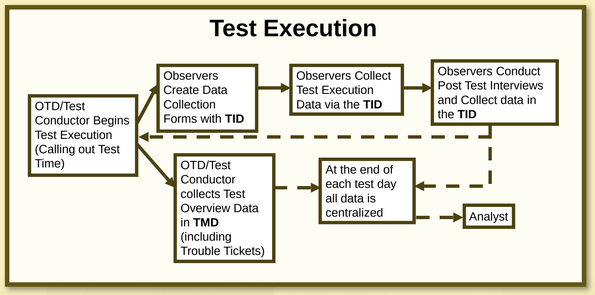
Test Planning and Scheduling



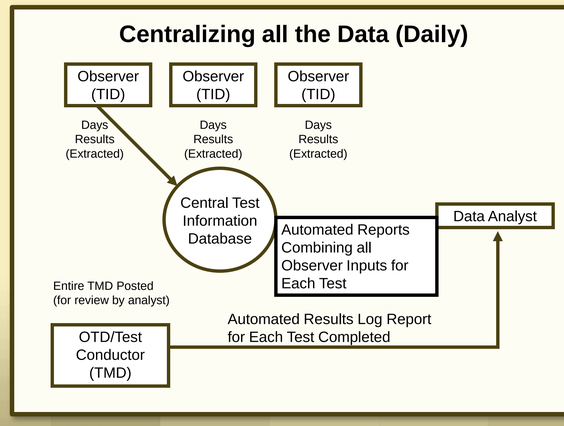
Test Development and Measures of Effectiveness (MOE)



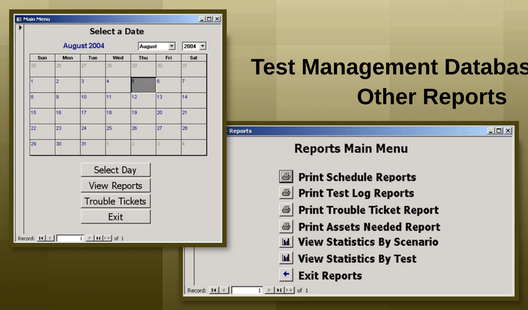
Test Execution



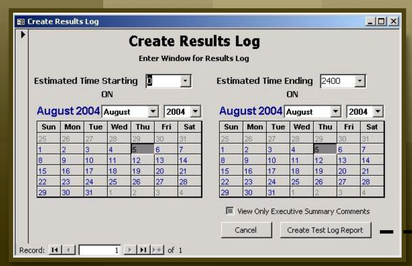
Centralizing all the Data (Daily)



Test Management Database (TMD) Other Reports

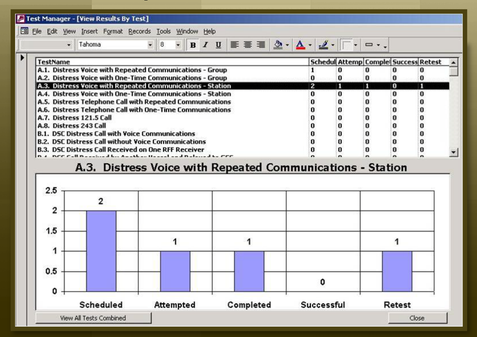


Test Results Reporting

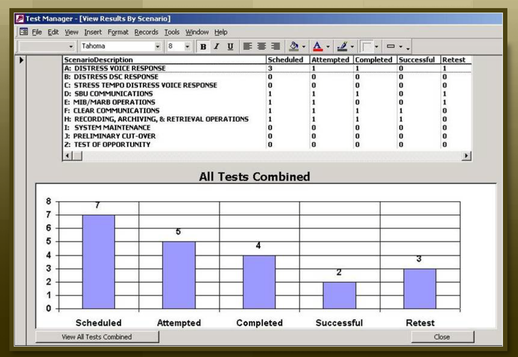


Test Results Log

Scenario Report



Test By Test Result



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T-MIR has been designed to contain a system's entire program test and evaluation history within a single database. Integrating all test data from each test site into a single T-MIR database generates a "maturity growth model" for the Rescue-21 System, significantly increasing the accuracy of the out-year support and reducing total life cycle costs.

History

T-MIR has been used to support Operational Test and Evaluation (OT&E) for the Coast Guard's Rescue-21 system. During four weeks of testing, more than 400 Operational Tests were conducted utilizing as many as 30 Test Observers located at different geographic positions, covering more than 250 miles of coast line, from five miles inland to 20 miles out to sea. During the execution of test, Test Observers were gathering test data on nearly every type of afloat platform in the Coast Guard's inventory. Test Observers were positioned at each of the 12 Coast Guard Stations, 2 Coast Guard GCCs, and at various times at the 11 Remote Fixed Facilities.

The first draft of the Final OT&E Report (with over 1,000 pages of test data) only took three days to write after completion of OT&E. The ability to generate a final report so quickly with T-MIR is due to the amount of test information available for analysts.

Daily Quick Look Reports

Daily Quick Look reports have been used to provide the Test Conductor with immediate test progress feedback. This information, along with the Test Conductors Summary, has also been used as a Daily Progress Report to the Region Commanders. All submitted Daily Reports to the Admiral, were used as summarized results to the Commandant of the Coast Guard.

Weekly Reports

Weekly reports can also be generated and delivered to the Coast Guard Chain of Command, and these reports provide hard statistics on the progress of the OT&E. T-MIR also monitors the number of tests scheduled within an overall test program, and maintains a statistical total of the tests, as well as the scenarios that are made up of several tests.

Built in Analysis Capabilities

T-MIR currently has several analysis capabilities built into the database that provides test personnel with the flexibility to report and analyze test results (on-site) for quick (near real time) Test Reports (daily, weekly, final, etc.). Test report formats and the data reported is also tailorable to meet the specific needs for a given program.

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