

Efficient On-Site Work with One-Button Setting to Reporting

SEEK (Scenario Editing Environment Kit) MX100003A
 Network Master Pro MT1000A
 OTDR Module MU100020A/MU100021A/MU100022A



Commissioning networks is becoming increasingly Complex

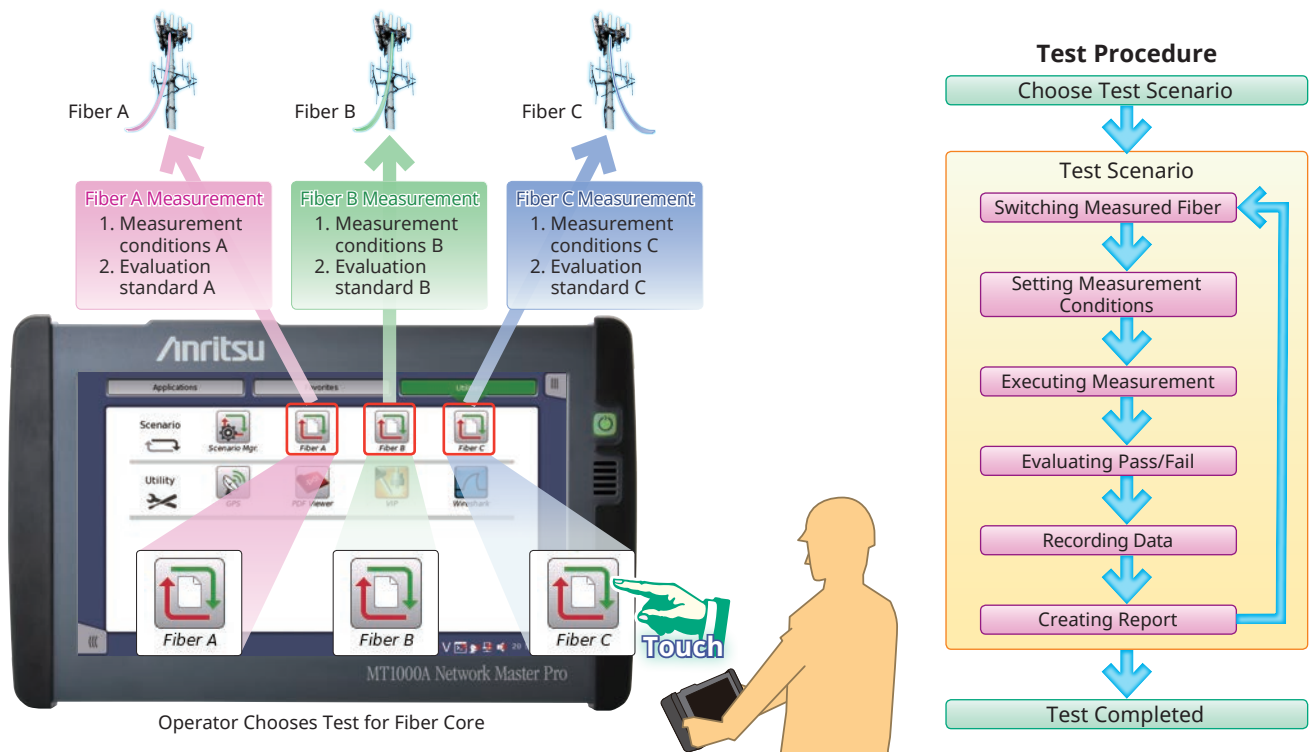
Optical fiber networks repair and quality of installation are evaluated using an Optical Time Domain Reflectometer (OTDR) tester. Completing this test requires setting measurement conditions, running the measurement, recording the data, performing Pass/Fail evaluation and creating a report encompassing all fiber cores in the optical cable.

Optical cables carry data signals which require testing by a transport testers supporting various communications standards as different communications technologies are used across different network segments Core, Metro, Access, Mobile Backhaul and Mobile Fronthaul networks. As a result engineers performing network installation and maintenance (I&M) and commissioning require good knowledge of optical fiber evaluation and communications technologies. Commissioning a modern network requires completion of many measurements, a single mistake could force the return to a site requiring re-measurement, increasing operation expenses and engineers time to complete the work.



Automated Fiber Commissioning Reduces Engineer Workload

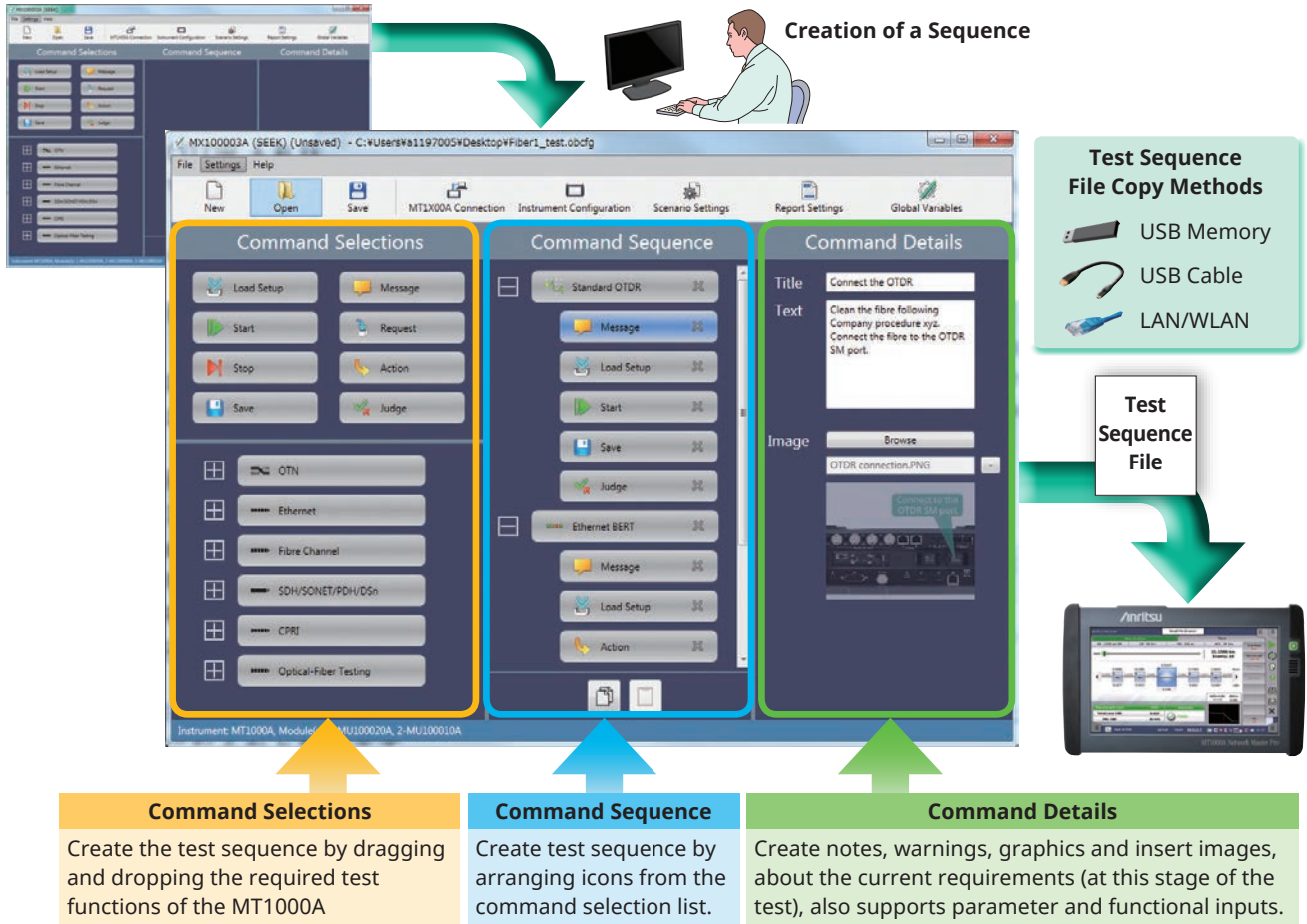
The OTDR Module MT1000A is designed for optical fiber I&M combining an OTDR, light source, optical power meter, and visible light source in a single test module, for easy on-site measurement and portability. It additionally incorporates automatic test functions for simplifying I&M work and ensuring higher engineer efficiency. The automatic test functions preset the measurement conditions and company procedures in a single scenario file, the field engineer runs onsite utilizing a one-button operation. The scenario file also includes Pass/Fail evaluation and report creation functions, helping reduce operation errors and improve measurement efficiency.



Easy- Test-Process-Creation GUI with On-site Fine Adjustment

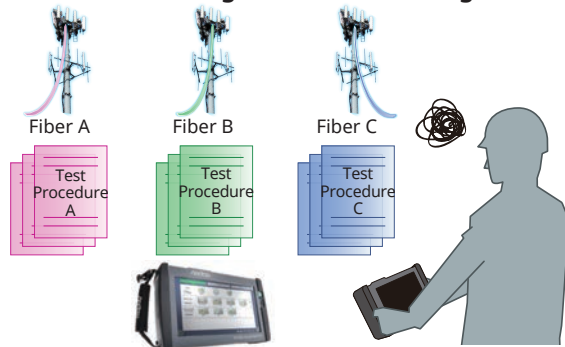
Traditionally, the operator creates a job ticket explaining the required tests to be completed with simple and clear step-by-step requirements for the technician running the tests. Commonly the job ticket is provided either as a paper hard-copy or PDF, this work procedure can now be completed in the MT1000A using the free Scenario Edit Environment Kit MX100003A (SEEK) software for PC, with an intuitive GUI helping lighten the operators workload and ensuring all required testing is completed by the engineer. For the engineer it ensures all relative details are contained in a single file minimizing complexity and user error.

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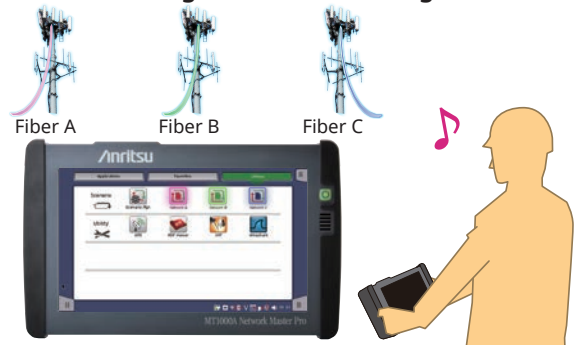
Merits of Introducing Automated Testing

Before Introducing Automated Testing



- Technician sets test equipment according to operator-defined procedure
 - Different test procedure for each network
 - Differences in test equipment setup time depending on technician skill level
 - Technician confirms test pass/fail result
 - Increases technician workload
 - Technician creates a report per test and has to correctly file them back at the office
- Requires well-trained technicians
Requires establishment of testing plans

After Introducing Automated Testing



- Operator loads test procedures into test set Technician just chooses test procedure
 - Test results pass/fail evaluation incorporated into test procedure
 - Technician simply confirms test completion
 - All reports complete and correctly labeled
- Technician workload reduced by simplified pre-defined procedure
Shortened time per test increases number of fiber tests