

T-BERD/MTS – 4000v2

Version ID : 212430

Release date : 18th June 2021

Versions:

- | | |
|--------------------|---------|
| - Boot | 10.76 |
| - Linux Kernel | 21.7.3 |
| - File System | 21.7.14 |
| - Instrument Setup | 21.14 |
| - Microscope | 21.14 |
| - Fiber Optics | 21.14 |

This release note supersedes the previous ones, the added features and improvements are described below.

Mainframe / Base Unit

New functionalities

- **This software release brings a complete update to the look, feel, operation and performance of our fiber optics applications. The user experience has been redesigned to improve the usability by reducing complexity and adopting modern smart device gestures/techniques.**
- A storage limit option was added to SETTINGS/Utility. A pop-up information window is displayed when the storage limit is reached (between 70 to 95% of the disk memory space)

Improvements

- Management of an all-in-one WiFi/Bluetooth (low energy) dongle for fast and easy connection with smart devices, especially using VIAVI Mobile Tech App.
- On the Home page, the simple icon selection for direct function access is set as default

Problems correction

- File manager: directory name with blank space created a disk error.

Microscope

Improvements

- Fiber end-face image is included in the .json report

OTDR

New functionalities

- New software license **EOTDR-TO-FCOMP-UPG** to add FiberComplete to 4100B OTDR modules which have power meter calibrated onto the OTDR port

Improvements

- OTDR Power Meter: Manual entry of any wavelength is allowed within the specified range of operation
- Firmware version of Fiber Optics applications is added to .pdf reports
- Update of alarm(s) thresholds per the IEC/TIA standards

Problems correction

- Pulse repetition rate process has been modified when using an existing config file
- Choice of wavelength combination with 1650nm OTDR was not set properly
- OTDR .pdf report sometimes cut in the middle of a table while there is still lot of space on the page

Test Process Automation (TPA)

Improvements

- Common VIAVI data model schema update for OTDR results to enhance data analytics in StrataSync
- Management of inspection and power meter .json report files into StrataSync
- Add SmartLink IDs into OTDR files/reports for better management of results StrataSync
- Management of job files coming from the Job Manager Creation Webpage and StrataSync

xWDM

Improvements

- Detection and loss measurement of MUX & DEMUX on short access links.

Problems correction

- Management of SmartAcq with DWDM module

TestPRO/FiberComplete

New functionalities

- Fault Finder mode on is added to 4100B FiberComplete modules
- **Bi-Directional IL/ORL & length measurements, at two wavelengths, in 3.5 s (typical on simplex fiber)**
- Display and record mainframe information on both units
- In Bidirectional OTDR mode, get distant OTDR traces on the master (master = unit where the measurement was initiated)
- Send pre-defined text messages via the fiber under test with 4100B FiberComplete modules

Improvements

- Improvement of file name management and keyboards
- **MPO switch management sequencing 12 FiberComplete measurements and auto-detecting MPO cable polarity type.**

Problems correction

- Launch and receive cables "auto" measurement
- FiberComplete "STOP" function
- In 20.02 date and time were not set correctly in FiberComplete file name

Nano OSA

New functionalities

- Management of the new 4100 Nano OSA module