

T-BERD/MTS – 2000v2/4000v2



T-BERD/MTS-4000v2 with S/N ≥ EBAH07994 requires minimum Fiber Optics release version 21.62 (2021/11/26)

Latest version

Version ID : 222950

Release date : July 21st, 2022

Application	Version	Date
Boot	10.81.1	2022/07/21
Linux Kernel	25.1.0	2022/05/31
File System	23.0.7	2022/07/22
Instrument Setup	22.52	2022/07/21
Microscope	22.52	2022/07/21
Fiber Optics	22.52	2022/07/21

Mainframe / Base Unit

New functionalities

- Integration of password protection at turn up. Optional license (EPASSWORDPROTECT)

Improvements

- Management of exclusivity when 2 OTDR modules housed on the same machine
- P5000i Inspection Probe Asset Management in StrataSync
- Increase number of characters in comment field (up to 99)
- Improvement of boot up process with color transition

Problem corrections

- Special characters ("-" and "_") added on German alphabetic keyboard
- Display error on upgrade screen corrected
- Files with a space in the name can now be uploaded to MTA (iOS only)
- Japanese: Application no longer crashes while saving pdf report

OTDR

New functionalities

- Predefined G654E specifications added to the list of fiber parameters (IOR, backscattered...)

Improvements

- Improved Touchscreen calibration for TRACE TABLE SLM selection
- Events table redesigned for better legibility
- Ability to hide trace in Expert OTDR addition

- New A & B cursor management
- Update launch cable” menu labelling - now Test Cable

Problem corrections

- OTDR Assistant (SmartTEST, FTTH-SLM): incorrect field in page "record information"
- No longer cut task naming shorter than 100 characters
- Launch cable management if incorrect length entered
- Problem of event detection after fiber end on short links now fixed
- Labelling of splice detection when manually set to 0.05dB always shows “Auto”
- Mini linear view correction when switching direction with an .msor file
- Correction of SmartLinkMapper refresh in OTDR tab after FiberComplete acquisition
- "Copy file/link to all" doesn't copy job id to the SLM-Enterprise menu
- OTDR Expert - Cursors remain hidden even in Analysis when set to "No"
- Trace info - correction of linear attenuation between A&B cursors
- Issues with mini linear view when many events detected

FTTH-SLM

Problem corrections

- Correction of incorrect trace recombination in multi-pulse acquisition

FiberComplete PRO

New functionalities

- FiberComplete-PRO MPO reference management
- CABLE-SLM integration and management into FCOMP-PRO

Improvements

- FCOMP-PRO now saves msor file with AB and BA multi-wavelength OTDR traces and distributed events (sor storage to be selected in Expert)
- Enable loss and ORL results display with TrueBIDIR only
- Add loss, ORL and length in summary table when performing TruBIDI only test
- High fiber count cable Workflow with FCOMP-PRO
- Launch cable management in Bi-dir IL/ORL only test configuration
- Do not allow START/Real Time OTDR when FCOMP/FCOMP PRO is active
- CABLE-SLM integration and management into FCOMP-PRO
- OTDR/FCOMP/FCOMP-PRO: Contextual help for ORL & total Loss
- OTDR loopback: change the JSON loopback extension file from “.fcpro.json” to “.bidir.json”.
- New FCOMP-PRO connectivity icon.
- Add fiber number in FiberComplete PRO Loopback Summary table.
- Add section/slope selection in the SmartLink view.
- Adapt reference process graphic to MPO connector.

Problem corrections

- FCOMP-PRO: Wrong format type displayed in the file explorer.
- B to A slope values are not stored correct in the TrueBIDIR json files
- Incorrect Cable-SLM target storage folder when set up as "dir/current" different than disk
- In cable view, long labels are truncated- Now possible to scroll left and right

OSA/OCCProblem corrections

- OCC pdf report now matches results table
- Wait period with nanoOSA (41OSA) now working
- Open OSA trace without autozoom and keep zoom defined at storage
- OCC drift function brought back

Previous version history

Version ID : 220740

Release date : February 17th, 2022

Application	Version	Date
Boot	10.81.0	2022/01/28
Linux Kernel	21.8.2	2021/12/17
File System	21.10.2	2022/02/17
Instrument Setup	22.02	2022/02/17
Microscope	22.02	2022/02/17
Fiber Optics	22.02	2022/02/17

Mainframe / Base Unit

New functionalities

- Management of the new 4100 A-Series OTDR module

Improvements

- Improved and simplified software upgrade messages and softkeys (via Ethernet/WiFi)
- Test set calibration date added to all .pdf reports
- Improved readability in the About page of modules long part number and serial number

Problem corrections

- Merge of multiple .pdf in the File Explorer

Microscope

New functionalities

- Microscope function put in live mode when coming from the job manager

LTS (Light source & power meter)

Problem corrections

- Proper management of the power meter zero offset

OTDR

New functionalities

- Fiber ID added to Fast Report setup menu

Improvements

- Key and menu labels updates:
 - **File** setup changed into **Report**
 - **File** softkey changed into **File Explorer**
- User interface updates:
 - Zoom buttons position moved to the top right corner of the graph
 - Setup menu: **Test Cables** section added. It contains Launch, Receive and Loopback cable settings
 - SmarLink Mapper: ability to select a section/slope

- SmartLink Mapper: enhancement of the event detail description (splitter description with FTTH-SLM Base license, pass/fail criteria & threshold values)

FTTH-SLM

New functionalities

- Job ID added to .csor PDF report

Improvements

- When Job Manager pushes FTTH config file, it updates the "Config." setup field inside FTTH-SLM

Problem corrections

- When the first event corresponding to the first standard splitter (of an unbalanced splitters network) is detected at position < 0m, the event is not detected/interpreted as splitter but as launch cable.

FiberComplete PRO

New functionalities

- Fiber number increased to 9999
- Cable-SLM management to create project/cable view and simplify the management of high fiber count testing:
 - New button **Manage Project** and setup popup window: import label list, create simplex or MPO cable structure
 - Fully automated test sequence for up to 12 fibers (with integrated MPO switch)
 - Pass/fail status of tested fibers/labels in **Cable** tab
 - Creation of a .prj file that contains labels / structure and pass/fail status
 - When a Cable-SLM project closes, a summary .pdf report is generated. It contains the average loss, worst ORL, length and pass/fail status per tested labels/IDs and wavelengths.
 - Switch port used for the current measurement is displayed in the **Process** tab
- Length of the fiber under test, displayed in the **Process** tab on the **synoptic**, does not include the launch and receive cables length

Improvements

- Suppression of launch and receive cable management by event position
- Enhancement of bi-directional OTDR (Loopback mode) slope measurement
- Pass/fail event thresholds made available for the bi-directional OTDR Loopback mode
- Better management of custom jobs coming from StrataSync
- Fault Finder results only visible in the Fault Finder tab
- OTDR Loopback mode allowed when changing setup from IL/ORL and/or TrueBIDIR/BiDir OTDR

Problem corrections

- Fault Finder results only visible in the Fault Finder tab
- When using Expert OTDR settings, the file naming of the OTDR results missed the wavelength field (if OneTrace/.sor). To make sure the file name is understandable, underscores are added between the fields.
- Improved length measurement with 4100 MA3-FCOMP

OSA/OCC

Improvements

- Nano OSA: better management of the splitter compensation function

Previous version history

Version ID : 21.9.11

Release date : Dec 01, 2021

Application	version	Date
Boot	10.80	2021/10/08
Linux Kernel	21.8.2	2021/09/27
File System	21.9.11	2021/11/26
Instrument Setup	21.62	2021/11/26
Microscope	21.62	2021/11/26
Fiber Optics	21.62	2021/11/26

Mainframe / Base Unit

New functionalities

- Improvements and corrections of the new user interface

Improvements

- German translation errors
- PDF report now better highlights failed results

Problem corrections

- Home page text overlap in Portuguese language

OTDR

Improvements

- TrueBIDIR function can now be activated on any 4100 series B & C OTDR modules
- Management of different extremities

Problem corrections

- TrueBIDIR now works when directory name contains space

FCOMP-PRO/FiberComplete

Improvements

- TrueBIDIR function now activates on any 4100 series B & C OTDR modules
- Management of different extremities

Problem corrections

- Setup exchange now possible even if talk set or cloud connection enabled between both test sets

Previous version history

Version ID : 21.9.2

Release date : October 8th 2021

Application	version
Boot	10.80
Linux Kernel	21.8.2
File System	21.9.2
Instrument Setup	21.50
Microscope	21.50
Fiber Optics	21.50

Mainframe / Base Unit

New functionalities

- Improvements and corrections of the new user interface
- Addition new license TrueBIDIR: ETRUEBIDIR-FCOMP-PRO

Improvements

- PDF reports always include cursors A&B on graph
- Ability to do a screenshot from the Results page with new UI
- Translation updates (Chinese, German, Hungarian and others)

Problem corrections

- T-BERD/MTS4000 random lock up at turn-up (White screen)

Microscope

Improvements

- Test report settings always kept at product turn off

OTDR

New functionalities

- New TRUEBIDIR functionality allowing performing automated bi-directional OTDR measurements with setup and results transfer through the fiber under test
- Add 25GHz channel grid for DWDM OTDR application

Improvements

- Better management of 3-splitter clusters in PON architecture with FTTH-SLM
- Optimized test time vs. pulsewidth in high split ratio (>1x64)

Problem corrections

- The launch cable integrated into the OTDR modules is correctly managed
- Average loss value different between pdf report and SLM Test Process Automation (TPA)

New functionalities

- Management of FiberComplete workflow into Staratsync, MobileTechApp and Job Manager

- Management of new FCOMP-PRO results and jobs (workflow process availability pending official Stratasync software version 13.0 and MobileTechApp 4.6)
- Send and receive FCOMP-PRO config files to/from Stratasync

Improvements

- Add metadata to Bidir IL/ORL pdf reports for Stratasync
- Inspection scope + OTDR process flow better managed Problem corrections
- Factory sync of purchase order number and date

OSA/OCC

New functionalities

- New OSA module for T-BERD/MTS 2000/4000/5800 and ONA-800 mainframes
- New OSA user interface

FCOMP-PRO/FiberComplete

New functionalities

- New TRUEBIDIR functionality allowing performing automated bi-directional OTDR measurements with setup and results transfer through the fiber under test
- Ability to sequence automated bi-directional IL/ORL and TrueBIDIR OTDR Improvements
- MPO switch management sequencing 12 FiberComplete measurements and auto-detecting MPO cable polarity type.