

## T-BERD/MTS – 2000v2/4000v2



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

### Latest software version

Version ID : 220740

Release date : February 17<sup>th</sup>, 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
  - SmartLink 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 8<sup>th</sup> 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.