SmartOTDR

Latest Version

Version ID : 234241

Release date : October 19, 2023

Application	Version	Date
Microscope	V23.62	2023/10/19
Instrument Setup	V23.62	2023/10/19
Fiber Optics	V23.62	2023/10/19
Boot	10.84.0	2023/08/11
Linux Kernel	25.6.2	2023/09/22
File System	23.4.4	2023/10/19

OTDR

New Features / Improvements

- Removal of SuperExpert license, the features are now available by default in ExpertOTDR set-up menu
- Main enhancements:
    - FTTH-SLM: 1/64 splitter topology measurement
    - OTDR grouped-events
    - ExpertOTDR: Possibility to add a customized pulse width
- Main bug fixes:
    - SmartOTDR B: "Signal detected" false messages
    - FTTH-SLM: Multiple fiber ends icons at 1310/1550nm
    - Events displayed after a manual "Fiber End" event addition in SmartLink view
    - Wrong Section loss displayed in PDF and json files
    - Cursor position or presence in PDF
- Translation updates and overlap corrections (German)

Inspection

New Features/ Improvements

- Translation Updates (French)

Previous Versions History

Version ID : 233110

Release date : July 21, 2023

Application	Version	Date
Microscope	V23.40	7/21/23
Instrument Setup	V23.40	7/21/23
Fiber Optics	V23.40	7/21/23
Boot	10.81.4	3/31/2023
Linux Kernel	25.2.2	3/3/2023
File System	23.1.23	7/31/2023

OTDR
New features/Improvements

- Receive Cable position bug fix
- Translation corrections and updates (German & Czech)
- Miscellaneous bug fixes

Test Process Automation (TPA) / Job Manager
New Features/ Improvements

- Added broader character support for TPA fields
- Miscellaneous bug fixes

Version ID : 231450
Release date : April 7, 2023

Application	Version	Date
Boot	10.81.4	2023/03/31
Linux Kernel	25.2.2	2023/03/03
File System	23.1.12	2023/04/07
Instrument Setup	23.22	2023/04/07
Microscope	23.22	2023/04/07
Fiber Optics	23.22	2023/04/07

OTDR

New features/Improvements

- Combo PM/OTDR Test Results
  - Auto Store disabled. Now possible to add comments, notes or change event type.
  - Power level now included in PDF report
- Change of signal detection threshold that triggers "traffic detection" warning message (136FB and 138FB65 versions only)
- New PON Signal Compensation Mode (SW option for 138FB65 version only)

Test Process Automation (TPA) / Job Manager

New Features/ Improvements

- Added formal support for Android connectivity (smart devices running Android 12 or a newer version recommended)
- Improved support for iOS connectivity with VIAVI Mobile Tech app
- Improved support for Ethernet/Wi-Fi connectivity with VIAVI Mobile Tech app
- Added support for job creation via API
- Added support for job creation via VIAVI Mobile Tech app
- Added support for configuration deployment from StrataSync
- Added support for software option deployment via VIAVI Mobile Tech app
- UX/UI improvements for the instrument-based Job Manager
  - Support for creating jobs locally via templates
  - Improved integration with fiber tests
- Miscellaneous bug fixes

Inspection/ Fiber Microscope Application

New Features/Improvements

- Added support for importing test results from a USB-connected FiberChek probe microscope
- Added support for updating the profiles on a FiberChek probe microscope when deployed from StrataSync
- Added an About screen under Setup
- Improved management of tip settings and profiles when deployed from StrataSync
- Improved popup messages when using Job Manager
- Miscellaneous bug fixes

Version ID : 230350
Release date : January 20, 2023

Application	Version	Date
Boot	10.81.2	2022/10/28
Linux Kernel	25.2.2	2022/11/04
File System	23.1.0	2023/01/20
Instrument Setup	23.04	2023/01/20
Microscope	23.04	2023/01/20
Fiber Optics	23.04	2023/01/20

OTDR

Improvements

- Enhancement of grouped events pass/fail analysis
- Default bend detection change to 0.3dB

Problem corrections

- ExpertOTDR: Event notes now available standard for Point-to-Point and PON Network Configs
- "Show cursor" setting is now saved in the config file
- Problem with directory management is fixed
- SLM/Table update problem when changing event type manually is fixed
- "." Symbol added to German keyboard

Cable-SLM

Improvements

- Enhanced management of labels
- Acquisition test sequence performed according to presence of optical switch or not
- New Cable-SLM project creation

FTTH-SLM

Problem corrections

- "Launch cable connected directly to splitter" bug is fixed
- "Event code on top of existing splitter icon is not set when reloading .csor file" bug is fixed

Job Manager

Enhancements

- Possibility to handle job template files coming from StrataSync or MTA

TPA

New Function

- Integration of a full StrataSync/Mobile Tech App process with Job Manager

Inspection

New Function

- User interface refresh
- Allows probe microscope firmware updates via host instrument
- Now possible to add new inspection tip settings via a USB drive or StrataSync
- Now possible to add new test profiles via a StrataSync update
- End face image now embedded within the saved JSON results

Version ID : 222950

Release date : July 21, 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

<u>Problem corrections</u>

- Correction of incorrect trace recombination in multi-pulse acquisition

Version ID : 220740

Release date : February 17, 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

Improvements

- Improved and simplified software upgrade messages and softkeys (via Ethernet/WiFi)
- Test set calibration date added to all .pdf reports

Problem corrections

- Merge of multiple .pdf in the File Explorer

Microscope

New functionalities

- Microscope function set 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:
    - o **File** setup changed into **Report**
    - o **File** softkey changed into **File Explorer**
- User interface updates:
    - o Zoom buttons position moved to the top right corner of the graph
    - o Setup menu: **Test Cables** section added. It contains Launch, Receive and Loopback cable settings
    - o SmarLink Mapper: ability to select a section/slope
    - o SmartLink Mapper: enhancement of the event detail description (splitter description with FTTH-SLM license, pass/fail criteria & threshold values)

FTTH-SLM

<u>New functionalities</u>

- Job ID added to .csor PDF report

<u>Improvements</u>

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

<u>Problem corrections</u>

- 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 (Loopback)

<u>New functionalities</u>

- Fiber number increased to 9999

<u>Improvements</u>

- 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

Version ID : 214750

Release date : December 1, 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 updates
- PDF report now better highlights failed results

Problem corrections

- Home page text overlap in Portuguese language

Version ID : 214050
Release date : October 8, 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

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)

Microscope

Improvements

- Test report settings always kept at product turn off

OTDR

Improvements

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

PON Power Meter

Improvements

- Homogenization of XGS-PON downstream wavelength to 1577nm

Test Process Automation (TPA)

Improvements

- Inspection scope + OTDR process flow better managed

Problem corrections

- Factory sync of purchase order number and date