N1091..CA IEEE 802.3 Compliance Test Application Software

Keysight Software Version 3.12.17.0

Release Date:	November 24, 2023
Requirements Category (e.g., operating system):	Microsoft Windows 10, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	7.41.27
File Name:	SetupN1091..CA_IEEE802.3_DCA_3.12.17.0.exe
License:	Please see the product data sheet on keysight.com

Note: This is the last version that supports the Microsoft Windows 7.

Modifications

- Support the F-JSA license.
- The MCR 7.10 is included as a prerequisite installer.

Known Issues

- Unable to append results during group run of Coefficients Status tests over Individual runs.

  Workaround: Do not append the results for this use case.

- Observed additional license required for Switch Matrix feature.

- Observed missing histogram in the images of the Transmitter Output Waveforms Tests intermittently.

- Observed Common-mode output Return Loss tests in XLAUI (Module Output), CAUI-10 (Module Output), XLPPI (Host and Module Output), and CPPI (Host and Module Output) as these tests are not in the specification.

KEYSIGHT

Keysight Software Version 3.12.14.0

Release Date:	July 7, 2023
Requirements Category (e.g., operating system):	Microsoft Windows 10, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	7.40.319
File Name:	SetupN1091..CA_IEEE802.3_DCA_3.12.14.0.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Update Keysight License Manager 5.
- Fixed the issue of incorrect wrong position when measuring the Transmitter Output Waveforms Tests in 10GBASE-KR and 40GBASE-KR4.

Known Issues

- Unable to append results during group run of Coefficients Status tests over Individual runs.
  Workaround: Do not append the results for this use case.
- Observed additional license required for Switch Matrix feature.
- Observed missing histogram in the images of the Transmitter Output Waveforms Tests intermittently.
- Observed Common-mode output Return Loss tests in XLAUI (Module Output), CAUI-10 (Module Output), XLPPI (Host and Module Output) and CPPI (Host and Module Output) as these tests are not in the specification.

Keysight Software Version 3.12.0.0

Release Date:	July 20, 2022
Requirements Category (e.g., operating system):	Microsoft Windows 10, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	6.91.29
File Name:	SetupInfIEEE8023DCA03120000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Fixed the issue of PTB loss sync after CDR relock.

- Fixed the issue of being unable to measure transition time tests if high offset signal presents in one of the channel.

- Fixed the issue of incorrect screen images of the coefficient test in 10GBASE-KR.

- Fixed the issue of being unable to use non-compliance data rate.

- Fixed the issue of incorrect Math operator in Common Mode Voltage Test with InfiniiSim.

- Fixed the issue of incorrect eye probability of Eye Measurement in CAUI-4.

- Fixed the issue of incorrect EOJ test limit in 100GBASE-KR4,100GBASE-CR4 and 25GBASE-KR.

- Fixed the issue of incorrect result in DCD test.

- Support the request to disable the frame trigger autodetect.

Known Issues

- Observed **Error: Invalid Project File** intermittently while loading the project.

- Observed **Internal error** after choosing to append when the previous trial has infinite result while running Jitter tests.

- Test abort with **timeout error** in 10GBASE-KR and 40GBASE-KR4 for short pattern PRBS15 in the 86100D + 86108B setup.

- The images are not saved in the results intermittently.

Keysight Software Version 3.11.0.0

Release Date:	June 11, 2021
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.61.13
File Name:	SetupInfIEEE8023DCA03110000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Support 25GBASE-KR
- Support N1040A module
- Fixed "image not found" error on the PDF report issue
- Support the CR Source "D+" and "D–" feature with the modules connected to N107x.
- Fixed pattern lock doesn't off issue when the app running XLPPI eye mask tests with PRBS31 pattern.
- Fixed issue while the app doesn't configure the s parameter block in correct way when running the CAUI-4 eye mask measurement
- Fixed issue while CAUI-4 Eye measurement is incorrect when running using channel 7C and 7D.
- Fixed issue while 10GBASE-KR coefficient step size test plots at wrong position.

Keysight Software Version 03.10.0000

Release Date:	Jan 17, 2020
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.50
File Name:	SetupInfIEEE8023DCA03100000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Support Auto De-Skew for N1060A, N104x, N1055A, N109x

- Allow user to input the hardware de-skew value

- Add ability to use an explicit clock

- Support Loop BW Tuning

- Support Jitter Optimization after JSA is turned on

- Support PTB Sync Method "Optimize for RJ and Linearity"

- Support CR source "D+" and "D-"

- Fix the required BW issue when perform "Pk- Pk Voltage with Tx disabled"

Known issues:

- The Loop BW Tuning and Jitter Optimization features are not supported with CAUI-4 Tests on DCA-M.

- The CR Source "D+" and "D-" feature is not supported with the modules connected to N107x.

- The Auto De-Skew feature is not supported with DCA-M Channel C and D.

- Signaling Rate test at 10GBASE-KR and 40GBASE-KR4 will not run with PRBS15 pattern using 86100D and 86108B.

- Jitter tests will abort intermittently with 10GBASE-KR and XAUI filter using 86100D and 86108B.

- Error in image saving while running DME tests using 86100D and 86108B.

Keysight Software Version 03.03.0001

Release Date:	Oct 24, 2019
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.40
File Name:	SetupInfIEEE8023DCA03030001.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Fix Eye Height, Eye Height A, Eye Height B and Eye Width tests to run in Channel 7C and 7D.

Keysight Software Version 03.03.0000

Release Date:	Sept 13, 2019
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.40
File Name:	SetupInfIEEE8023DCA03030000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Product number is changed from "N108xA" to "N1091..CA"
- Add result details of Coefficient Status test.

![Keysight logo]

N108xA IEEE 802.3 Ethernet KR/CR Compliance Test Application Software

Keysight Software Version 03.02.0000

Release Date:	May 03, 2019
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE8023DCA03020000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Add N1045B support.

- Support PPKS licenses.

- Fixed auto checked on the loop order issue.

- Fixed App is hang/died when running Main Voltage Measurement.

- Fixed incorrect LBW issue.

N108xA IEEE 802.3 Ethernet KR/CR Compliance Test Application Software

Keysight Software Version 03.00.0000

Release Date:	Sept 03, 2018
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802303000000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Add N109xA, N1046A, N1060A support.
- Add N1076/77A support.
- Add Cygnet support.

Keysight Software Version 02.50.0004

Release Date:	Mar 22, 2018
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302500004.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Update from 32 bit to 64 bit app

Keysight Software Version 02.50.0001

Release Date:	Oct 31, 2017
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302500001.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Fixed deskew calibration on N1045A to use same SIRC settings as application

Keysight Software Version 02.50.0000

Release Date:	Aug 11, 2017
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302500000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Add N1076/77A support
- For Tx Disable test, turn InfiniiSim off and don't autoscale
- Changed eye measurements to jitter mode
- Change eye to use probability terms rather than BER.
- Add Initialize coefficient tests

Keysight Software Version 02.00.0004

Release Date:	Aug 02, 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000004.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Fixed PTB for SQ8 pattern when using iPTB and N1045A or N1055A.

Keysight Software Version 02.00.0003

Release Date:	June 04, 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000003.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Fixed CAUI-4 Single-Ended InfiniiSim usage.

Keysight Software Version 02.00.0001

Release Date:	June 04, 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000001.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Fixed CAUI-4 Common-mode to divide by 2.

Keysight Software Version 02.00.0000

Release Date:	May 04, 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- CAUI-4 application added

Keysight Software Version 01.05.0000

Release Date:	April 01, 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.20
File Name:	SetupInfIEEE802301050000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- 10GBASE-KR – Fixed the edge find for SQ8 pattern for coef update tests when step sizes are larger and require signal reset.
- nPPi – reduced jitter measurement wait time
- All – fixed intermittend voltage error on signal verification

Keysight Software Version 01.04.0000

Release Date:	Sept 30, 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.53
File Name:	SetupInfIEEE802301040000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- This is the last supported XP version.

Keysight Software Version 01.03.0000

Release Date:	Sept 25, 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.53
File Name:	SetupInfIEEE802301030000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Added N0155A option for TDR measurements

- Added the ability to use simulation signals for all electrical measurements (set in config)

- The steady state, linear fit, step size, and cursor tests would only allow for PRBS9. Updated to allow for any pattern if disable pattern check is set in the config tab.

- Fixed step size reporting to use same number of decimal places

- Fixed common mode scaling

- Fixed 100GBASE-KR4 Rm calcuation

Keysight Software Version 01.02.0007

Release Date:	Mar 20, 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.21
File Name:	SetupInfIEEE802302000007.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Added option to equalize pulse on KR4 measurements – this is for fixtures etc that are added between TP0 and probing.

- Updated Coef Step size to subtract after-before.

Keysight Software Version 01.02.0006

Release Date:	Feb 20, 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.21
File Name:	SetupInfIEEE802302000006.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Added view demo mode start menu option.

Keysight Software Version 01.02.0000

Release Date:	Feb 20, 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.21
File Name:	SetupInfIEEE802302000000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Fixed SteadyState voltage and linear fit measurements.
- Updated step size tests to optional loop as many steps needed for given coef
- Added SNDR for 100G KR4 and CR4 and far end noise for 40G CR4
- Added internal PTB
- Added selectable data rate in config tab
- Added .s4p support
- Rebrand

Agilent N108xA Software Version 01.01.0000

Release Date:	Feb 20, 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	2.51
File Name:	SetupInfIEEE802301010000.exe
License:	Please see the product data sheet on keysight.com

Modifications

- Updated 100GBASE–KR4 and 100GBASE–CR4 from spec release IEEE802.3bj D2.2 to IEEE802.3bj D3.2

- Added Max RMS error test for 40GBASE–CR4 and 100GBASE–CR10

- Fixed issue with save project file where default directory name contained "\"

- Updated steady state voltage test.

Agilent N108xA Software Version 01.00

Release Date:	July 07, 2014
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.10
File Name:	SetupInf100GBASEKR401000000.exe
License:	Please see the product data sheet on keysight.com

Initial Release