

# N6820ES Surveyor 4D Software

## Version 4.2.0

<b>Released Date:</b>	2017-09-08 - (September 8, 2017)
<b>Operating Systems:</b>	Microsoft Windows 10 Microsoft Windows 7
<b>Instrument Drivers and Software Versions</b>	2.1.0 N6841A Sensor Management Software (SMT) ( <a href="http://www.keysight.com/find/N6841A-SW">www.keysight.com/find/N6841A-SW</a> ) 2.1.240.2 M9391A Driver (Included) 2.1.910.2 M9393A Driver (Included)
<b>Firmware Versions</b>	N6841A Firmware (Included with N6841A SMT software) REL 2.1.0 – BUILD 2930 – FPGA 12071217 (Single WB Ch) REL 2.1.0 – BUILD 2930 – FPGA 15080715 (Multi NB Ch)
<b>File Names:</b>	N6820ES_4.2.0.exe (Size 824 Mbytes) N6820ES_Extensions_4.2.0.exe (Size 1,723 Mbytes) N6820ES_ASD_4.2.0.exe (Size 656 Mbytes)

## New Features

- Support for the M9393A PXIe Performance Vector Signal Analyzer: 50 GHz.
- New InstallShield based installer.

## Enhancements

- Location Alarm Task enhancements:
  - New Auto Trigger level.
  - Enhanced Edge Detection.
  - Enhanced Lookback feature.

## Bug Fixes

- Patches applied to OpenText eXceed causing GUI residual images and fragmenting issues.
- Fixed December 31, 2016 leap second error.
- Fixed Directed Search Sweep Ratio.
- Fixed Multi-Channel bandwidth calculation for energy detection on channels 2 through 4.
- Fixed Field Strength algorithm (Mathematical error).

## Version 4.1.1

<b>Released Date:</b>	2016-09-19 - (September 19, 2016)
<b>Operating Systems:</b>	Microsoft Windows 10 Microsoft Windows 7
<b>Instrument Drivers and Software Versions</b>	2.0.6 N6841A Sensor Management Software (SMT) 2.1.240.2 M9391A Driver (Included)
<b>Firmware Versions</b>	N6841A Firmware (Included with N6841A SMT software) REL 2.0.6 – BUILD 2897 – FPGA 12071217 (Single WB Ch) REL 2.0.6 – BUILD 2897 – FPGA 15080715 (Multi NB Ch)
<b>File Names:</b>	N6820ES_4.1.1.exe (Size 2,763 Mbytes) N6820ES_ASD_4.1.1.exe (Size 565 Mbytes)

### New Features

- Support for the M9391A PXIe Vector Signal Analyzer: 6 GHz.
- MATLAB SQL visualization tool.
- Supports Windows 10.
- New License required (License version 6.1).

### Enhancements

- Various user interface improvements.

### Bug Fixes

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## Version 4.1.0

<b>Released Date:</b>	2015-10-01- (October 1, 2015)
<b>Operating Systems:</b>	Microsoft Windows 8 Microsoft Windows 7
<b>Instrument Drivers and Software Versions</b>	2.0.5 N6841A Sensor Management Software (SMT)
<b>Firmware Versions</b>	N6841A Firmware (Included with N6841A SMT software) REL 2.0.5 – BUILD 2853 – FPGA 12071217 (Single WB Ch) REL 2.0.5 – BUILD 2853 – FPGA 15080715 (Multi NB Ch)
<b>File Names:</b>	N6820ES_4.1.0.exe (Size 1,211 Mbytes) N6820ES_ASD_4.1.0.exe (Size 656 Mbytes)

### New Features

- Support of multiple narrowband channels.
- Narrowband recording (NBR).
- Universal Signal Detection with Narrowband Confirmation (USD).
- New universal signal detectors.
- New License required (License version 6.0).

### Enhancements

- Various user interface improvements.

### Bug Fixes

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## Version 4.0.1

<b>Released Date:</b>	2015-01-31- (January 31, 2015)
<b>Operating Systems:</b>	Microsoft Windows 8 Microsoft Windows 7
<b>Instrument Drivers and Software Versions</b>	2.0.4 N6841A Sensor Management Software (SMT)
<b>Firmware Versions</b>	N6841A Firmware (Included with N6841A SMT software) REL 2.0.4 – BUILD 2652 – FPGA 12071217
<b>File Names:</b>	N6820ES_4.0.1.exe (Size 1,205 Mbytes) N6820ES_ASD_4.0.1.exe (Size 178 Mbytes)

### New Features

- Added Field Strength.

### Enhancements

- Minor changes to default configurations.

### Bug Fixes

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## Version 4.0.0

<b>Released Date:</b>	2014-04-24 - (April 24, 2014)
<b>Operating Systems:</b>	Microsoft Windows 7
<b>Instrument Drivers and Software Versions</b>	2.0.3 N6841A Sensor Management Software (SMT)
<b>Firmware Versions</b>	N6841A Firmware (Included with N6841A SMT software) REL 2.0.3 – BUILD 2531 – FPGA 12071217
<b>File Names:</b>	N6820ES_4.0.0.exe (Size 2,763 Mbytes) N6820ES_ASD_4.0.0.exe (Size 656 Mbytes)

### Initial Release

- License version 5.1.