

## PSA 4.2.01 Release Note

The PSA 4.2.01 Release Note is applicable to the **PowerSync Analyzer**, the **PowerSync Programmable Load**, and the **PhyView Analyzer** instruments, including the **PSA-3002-SA Service Analyzer** and **PDA-LLDP PoE LLDP Analyzer**.

### Summary

This is a minor release following the major PSA 4.2.00 release. Version 4.2.01 is *required* over the PSA 4.2.00 for the following two instruments:

- **PSA-3002-SA Service Analyzer**
- **PDA-LLDP**

For the most part, this release has no effect to PVA-3000, PSA-3000, and PSL-3000 instrument families. For those testing a variety of **PoE LLDP capable PSE's**, there are some subtle benefits in version 4.2.01 over version 4.2.00.

### PSA 4.2.01 Enhancements

Software Entity	Impact	Feature
All LLDP Power-Ups and Power-Up Protocol Traces	Moderate	LLDP power-up traces will properly process the case where a Type-1 PSE powers a Type-2 PD by restricting the Type-2 PD from requesting more than 13W. This makes the protocol trace consistent with report logic in the LLDP trace report templates.
	Moderate	Modified protocol logic to assure that the emulated PD is technically “in sync” with the PSE before ever producing a new power request. New requests only occur when prior power request was properly echo'd.
	Minor	Any LLDP power-ups performed using power_port will properly process the case where a Type-1 PSE powers a Type-2 PD by restricting the Type-2 PD from requesting more than 13W.
PSA Interactive	Minor	Corrected issue where when accessing a PDA-LLDP instrument from PSA Interactive, the instrument was labeled “PSA-1200”.
	Minor	Updating MAC addresses in the PDA-LLDP (PSE LLDP Emulation) will now store addresses non-volatile.
PSA Software Installation		PSA-3002-SA Service Analyzer and PDA-LLDP will no longer install PVA Interactive icon to the PC desktop.

### PSA 4.2 Bug Fixes

Software Entity	Impact	Feature
PSE Conformance Test Suite	Minor	A problem in the <b>pwrdsn_v</b> test was remedied that would mostly affect only those PSE's with Error Delay (Ted) timing longer than 8 seconds

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PSA Interactive	Minor	Corrected issue where when accessing a <b>PDA-LLDP</b> instrument from PSA Interactive, the instrument was labeled “PSA-1200” – it will now be labeled “PSA-3102”.
	Minor	Corrected logic where connecting between different instrument types (e.g. PSA, PSL, PDA-LLDP, Service Analyzer) did not always produce the correct enabling / disabling of certain GUI controls and pull-down menus.
LLDP Protocol Traces	Minor	Corrected conditional logic flaw that could affect the PD Class field in the standard report template for LLDP traces between emulated PSE and PD.
PSA-3002-SA Service Analyzer	Major	Corrected issue where Service Analyzer GUI would not properly open. (Note: 4.2.00 was never released for the PSA Service Analyzer.)
PDA-LLDP	Minor	Corrected problem where selecting the PDA-LLDP analyzer with the Chassis Select control would produce an error message.
	Minor	Corrected conditional logic flaw that could affect the PD Class field in the standard report template for LLDP traces between emulated PSE and PD.

### *PSA/PVA Firmware Versions*

While PSA 4.2 software supports many older firmware versions, the recommended versions are:

<b>PSA-3000 Controller:</b> ver <b>3.13</b> or newer	<b>PSA/PSL-3202</b> Test Port: ver <b>4.0B</b> or newer
<b>PSA/PSL-3102</b> or <b>PSA-3002</b> Test Port: ver <b>3.24</b> or newer	<b>PVA-3102</b> Test Port: ver <b>3.0B</b> or newer