

RELEASE NOTE

EVENT BASED PQ REPORT

V 1.1



BLACKBOX
EVENT BASED PQ REPORT

Flicker Severity

The Network company shall ensure that PLT Flicker does not exceed 1.0 during 95% of week.

Parameter	Channel/Phase	Regulation Max 95%	Measured Max 95%	Result
PLT	L1	1	0.75	Pass
PLT	L2	1	0.75	Pass
PLT	L3	1	0.75	Pass

Network company ensures that the individual Harmonic Voltages do not exceed following values in % measured as 10 minute average values.

Channel/Phase	Harmonic Order	Regulation (Max) %	Measured of Max (%)			Result		
			L1	L2	L3	L1	L2	L3
L1PLT	2	2%	0%	0%	0%	Pass	Pass	Pass
L2PLT	2	2%	0%	0%	0%	Pass	Pass	Pass
L3PLT	2	2%	0%	0%	0%	Pass	Pass	Pass
L1PLT	3	5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	3	5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	3	5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	4	1%	0%	0%	0%	Pass	Pass	Pass
L2PLT	4	1%	0%	0%	0%	Pass	Pass	Pass
L3PLT	4	1%	0%	0%	0%	Pass	Pass	Pass
L1PLT	5	6%	0%	0%	0%	Pass	Pass	Pass
L2PLT	5	6%	0%	0%	0%	Pass	Pass	Pass
L3PLT	5	6%	0%	0%	0%	Pass	Pass	Pass
L1PLT	6	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	6	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	6	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	7	5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	7	5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	7	5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	8	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	8	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	8	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	9	1.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	9	1.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	9	1.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	10	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	10	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	10	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	11	3.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	11	3.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	11	3.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	12	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	12	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	12	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	13	3%	0%	0%	0%	Pass	Pass	Pass
L2PLT	13	3%	0%	0%	0%	Pass	Pass	Pass
L3PLT	13	3%	0%	0%	0%	Pass	Pass	Pass
L1PLT	14	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	14	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	14	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	15	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	15	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	15	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	16	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	16	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	16	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	17	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	17	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	17	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	18	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	18	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	18	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	19	1.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	19	1.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	19	1.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	20	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	20	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	20	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	21	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	21	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	21	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	22	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	22	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	22	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	23	1.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	23	1.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	23	1.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	24	0.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	24	0.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	24	0.5%	0%	0%	0%	Pass	Pass	Pass
L1PLT	25	1.5%	0%	0%	0%	Pass	Pass	Pass
L2PLT	25	1.5%	0%	0%	0%	Pass	Pass	Pass
L3PLT	25	1.5%	0%	0%	0%	Pass	Pass	Pass



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Important Notifications



PQSCADA 4.2 & later versions includes a new Report Package. The Event Based PQ Report forms part this Report Package & you may install it after you have installed or upgraded to PQSCADA 4.2 & later versions. All tasks related to report tasks, therefore needs to be reconfigured from anew.

Known Issue

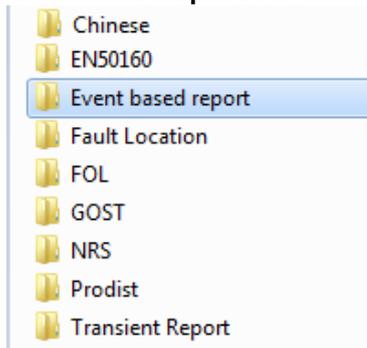
- The report does not support daylight savings time.

1 Stop Download Shop

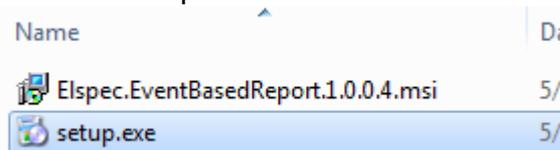
- Event Based PQ Report

Install The Event Based PQ Report

- After you have downloaded the **Report Module from Elspec's Website**, select the **Event Based Report** for installation:



- Run the "exe" option in the folder:

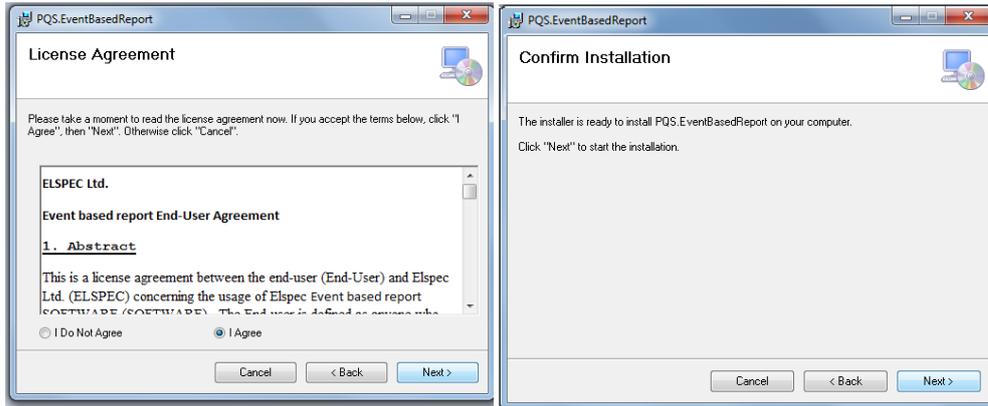


The Welcome Screen of the installation guide will now open:



- Select the  button to commence the installation process

- Accept the license agreement at “I Agree” & select the  button until you confirm the installation:



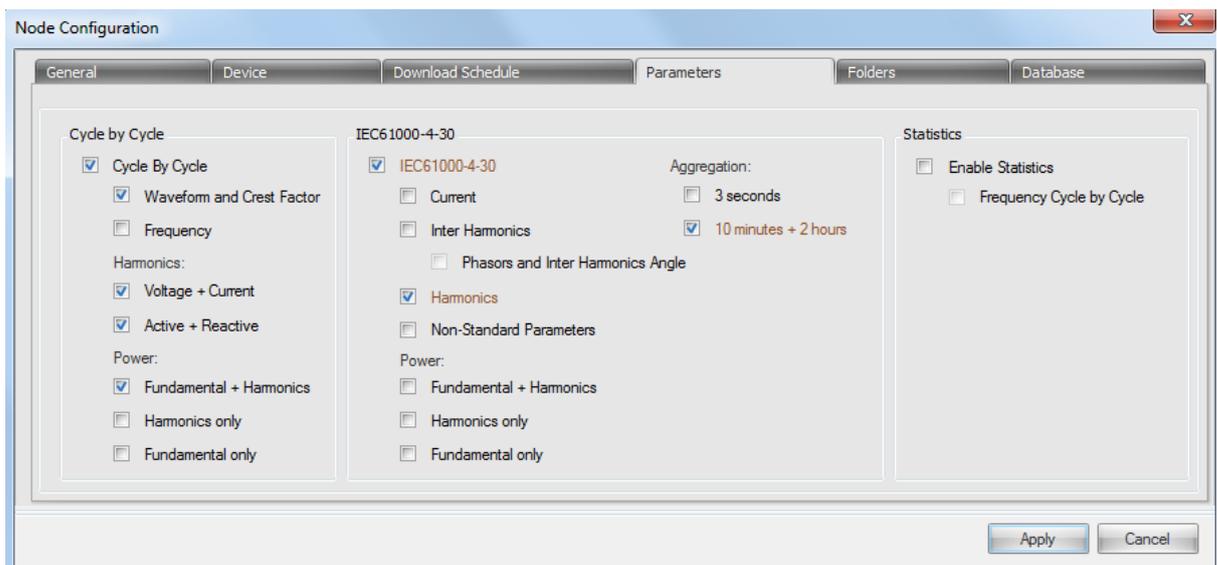
Do not change any of the default settings unless instructed to do so by Elspec software support

- Select the  button in order to complete the installation

IMPORTANT! CONFIGURE PQ PARAMETERS IN YOUR PQSCADA

In order for the Report to calculate all the applicable parameters, ensure that you have configured the Node in the PQSCADA accordingly

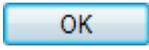
- As per the PQSCADA Help Wizard “F1” procedure, select Components ➔ Node ➔ Configuration ➔ Parameters
- Select the applicable Parameters:
 - (a) Cycle By Cycle: Waveform & Crest Factor
Harmonics - Voltage & Current; Active & Reactive
Power - Fundamental & Harmonics
 - (b) IEC61000-4-30: Harmonics
Aggregation - 10 minutes & 2 hours:

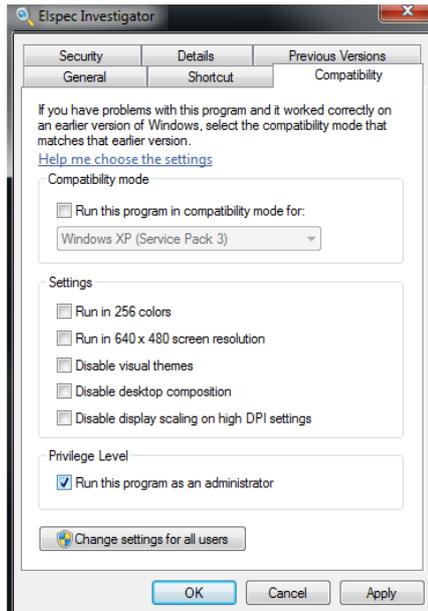


IMPORTANT! UPDATE THE INVESTIGATOR TO PRODUCE THE REPORT

As the PQReports are installed independently, you will need to configure the Investigator Application in order to produce the reports:

- Run the Investigator in **Administration Mode**:
 - (a) Right-click on the **Investigator Icon** on your desktop ➔ select **Properties** ➔ **Compatibility Tab**;
 - (b) In the Privilege Level select the option **Run this program as an Administrator**

➔  ➔  buttons:



- (c) Open the Investigator, select **Settings** ➔ **Folder** ➔ **Configure Folder Path**