



M-7679 R-PAC QUICK REFERENCE GUIDE

PROTECTION, AUTOMATION AND CONTROL SYSTEM FOR RECLOSER, SWITCH, SECTIONALIZER AND ADVANCED DISTRIBUTION AUTOMATION APPLICATIONS.

Reviewing PQ Events using PQ Viewer



Required Tools:

- PC running Windows 7® or higher
- S-7600 IPScom Communications Software

Latest version of IPScom software can be downloaded from:

<https://beckwithelectric.com/products/s-7600/>

Required Documentation:

- M-7679 Instruction Book
- M-7679 Application Guide
- Communications and Cybersecurity A.G.

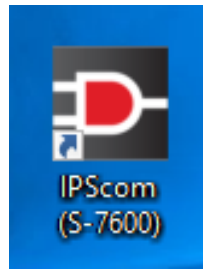
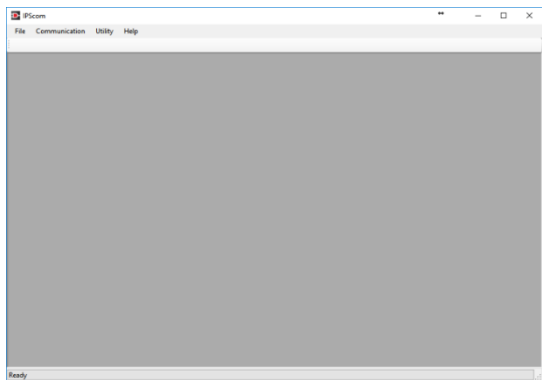
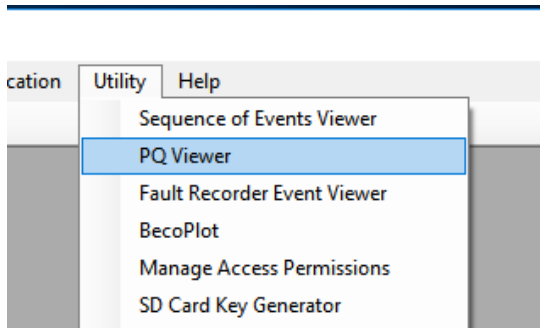
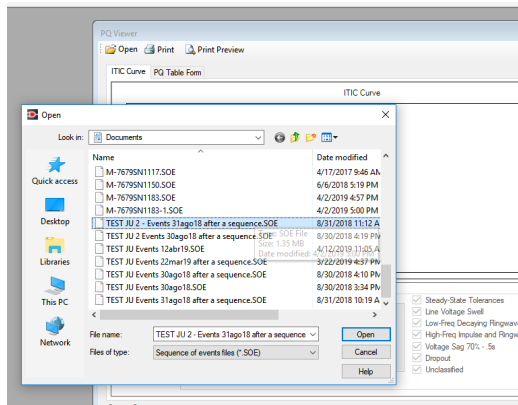
Latest version of M-7679 Instruction Book can be downloaded from:

<https://beckwithelectric.com/products/m-7679/>

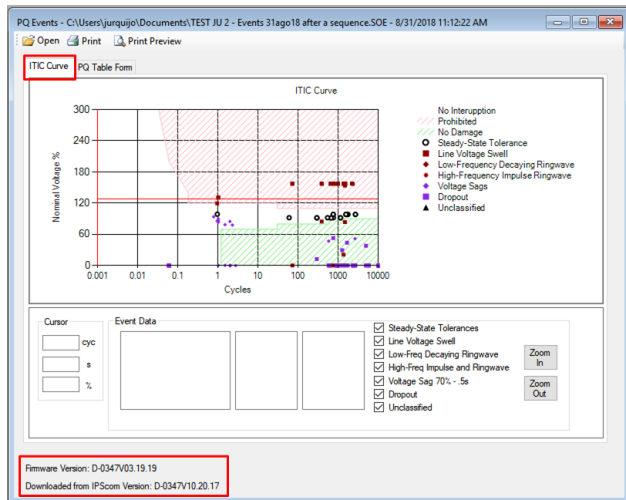


Table of Contents	
Reviewing PQ Events using PQ viewer	3

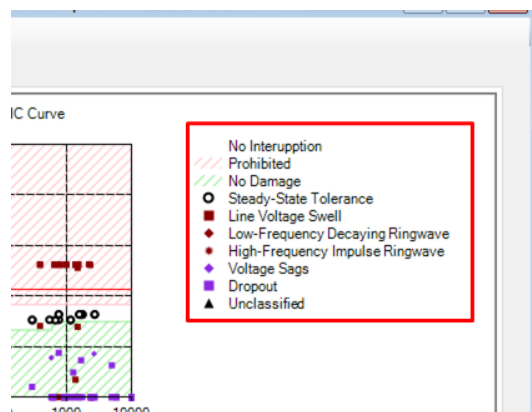
Reviewing PQ Events using PQ viewer

1	Start IPScorm Software by double-clicking the corresponding shortcut.	
2	IPScorm will display the IPScorm Main dialog screen.	
3	Select Utility / PQ Viewer .	
4	IPScorm will display the PQ Viewer and an Open dialog box. Find the required .SOE file and select Open .	

5 **IPScorn** will display the **PQ Viewer** screen. The **ITIC Curve** tab will be automatically selected. The **Firmware Version** and the **IPScorn version** with which the events file was retrieved are shown at the bottom of this screen.

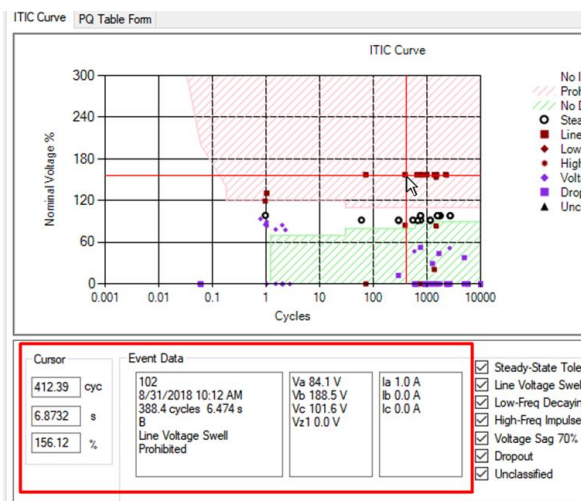


6 At the right side of the screen the user can see the available **ITIC** event types.

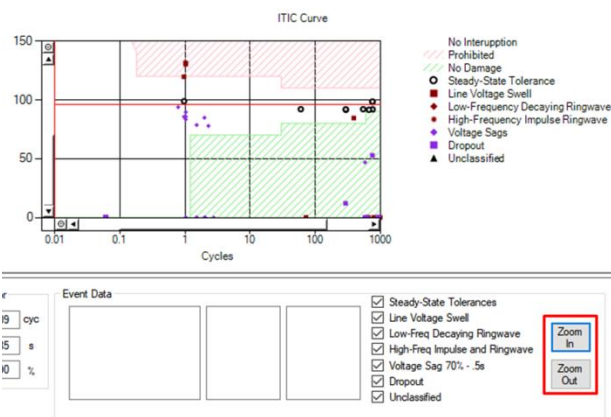


7 Hovering over a plotted point will display the details of the event in the **Event Data** portion of the screen. The information that user can see is the following:

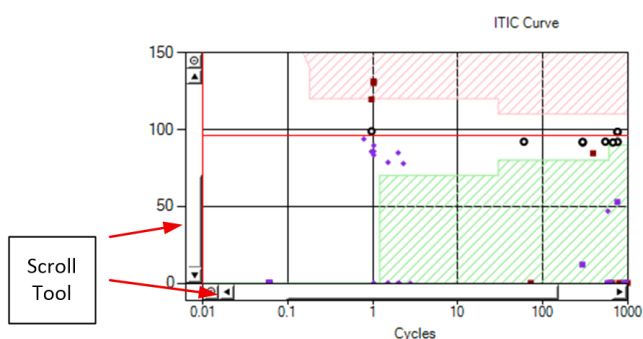
- Cursor position in cycles, seconds and Voltage %.
- Event date
- Event type
- Voltages (all phases)
- Currents (all phases)



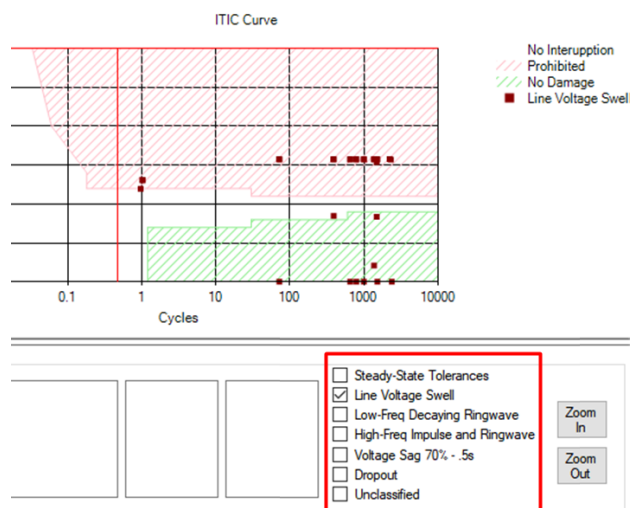
- 8 The **Zoom In** and **Zoom Out** buttons can be used to obtain a more detailed view of the graph.



- 9 Once the Zoom is active, the user can use the **Scroll arrows** and the **Scroll bar** to move the graph in the corresponding direction.



- 10 Also, the user can choose the event types that will be shown in the graph using the filters next to the Event Data fields.



- 11** If the user selects the **PQ Table Form**, IPScom will display the ITIC event parameters in a Table format.

PQ Events - C:\Users\jurquijo\Documents\TEST JU 2 - Events 31ago18 after a

Open Print Print Preview

ITIC Curve **PQ Table Form**

Event	Date/Tim	Duration	Phase	Va (V)	Vb (V)	Vc (V)
131	08/31/...	10000 ...	C	0.01	0	0.01
130	08/31/...	10000 ...	A	0.01	0	0.01

- 12** In this screen, the user can see the following detailed information for each recorded event:

- Event number
- Date / Time of event
- Duration
- Phase
- Voltages
- Currents
- Event Classification
- ITIC Curve region

PQ Events - C:\Users\jurquijo\Documents\TEST JU 2 - Events 31ago18 after a sequence.SOE - 8/31/2018 11:12:22 AM

Open Print Print Preview

ITIC Curve PQ Table Form

Event	Date/Tim	Duration	Phase	Va (V)	Vb (V)	Vc (V)	Vx1 (V)	Ia (A)	Ib (A)	Ic (A)	Classifica	Region
131	08/31/...	10000 ...	C	0.01	0	0.01	0	0	0	0	DO	Withou...
130	08/31/...	10000 ...	A	0.01	0	0.01	0	0	0	0	DO	Withou...
129	08/31/...	10000 ...	B	0	0	0.01	0	0	0	0	DO	Withou...
128	08/31/...	1512.6...	A	189.27	188.52	189.49	0	1.936	0	0	LVS	Prohibit
127	08/31/...	1513.6...	C	0.49	188.52	0.34	0	0	0	0	LVS	Withou...
126	08/31/...	1513.1...	B	0.49	188.52	0.34	0	0	0	0	LVS	Prohibit
125	08/31/...	10000 ...	C	0	0.01	0	0	0	0	0	DO	Withou...
124	08/31/...	10000 ...	B	0	0.01	0	0	0	0	0	DO	Withou...
123	08/31/...	10000 ...	A	0.01	0	0.01	0	0	0	0	DO	Withou...
122	08/31/...	1479.9...	A	189.27	188.52	189.49	0	1.936	0	0	LVS	Prohibit
121	08/31/...	1480.6...	C	94.41	184.52	100.14	0.11	1.347	0	0	LVS	Withou...
120	08/31/...	1.02 (...)	C	94.41	184.52	100.14	0.11	0	0	0	V570	Uninter...
119	08/31/...	1.5 (0...	A	94.41	184.52	100.14	0.11	0	0	0	V570	Uninter...
118	08/31/...	1481.9...	B	0.45	184.52	0	0.11	0	0	0	LVS	Prohibit
117	08/31/...	5877.1...	A	0.01	0.01	0	0	0	0	0	DO	Withou...
116	08/31/...	5878.6...	C	0	0	0	0	0	0	0	DO	Withou...
115	08/31/...	5878.6...	B	0	0	0.01	0	0	0	0	DO	Withou...
114	08/31/...	1.98 (...)	A	0.01	0	0.01	0	0	0	0	V570	Withou...
113	08/31/...	649.74...	A	189.27	188.52	189.49	0	1.936	0	0	LVS	Prohibit
112	08/31/...	650.94...	C	33.34	188.52	0.35	0	0	0	0	LVS	Withou...

Fireware Version: D-0347V03.19.19
Downloaded from IPScom Version: D-0347V10.20.17

- 13** The user can organize the events list by clicking on the desired column.

PQ Events - C:\Users\jurquijo\Documents\TEST JU 2 - Events 31ago18 after

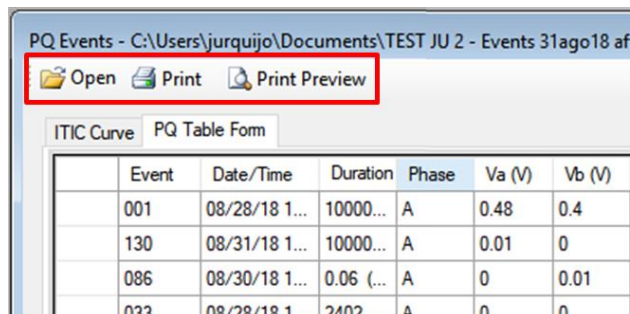
Open Print Print Preview

ITIC Curve **PQ Table Form**

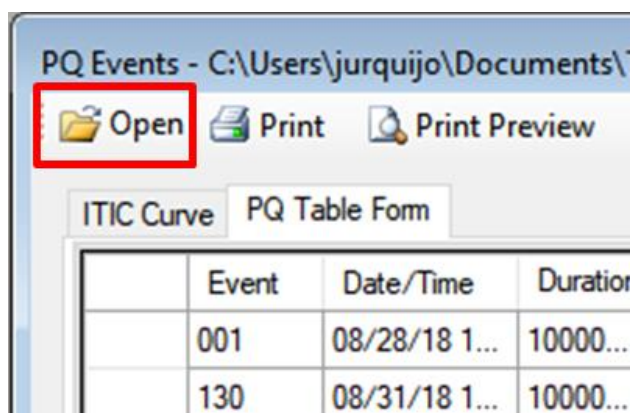
Event	Date/Time	Duration	Phase	Va (V)	Vb (V)	Vc (V)
001	08/28/18 1...	10000...	A	0.48	0.4	0.
130	08/31/18 1...	10000...	A	0.01	0	0.
086	08/30/18 1...	0.06 (...)	A	0	0.01	0.
033	08/28/18 1...	2402....	A	0	0	0.
006	08/28/18 1...	2221....	A	189.27	188.52	189.49
128	08/31/18 1...	1512....	A	189.27	188.52	189.49

14 In the upper left corner of the screen the user will find the tool bar with following options:

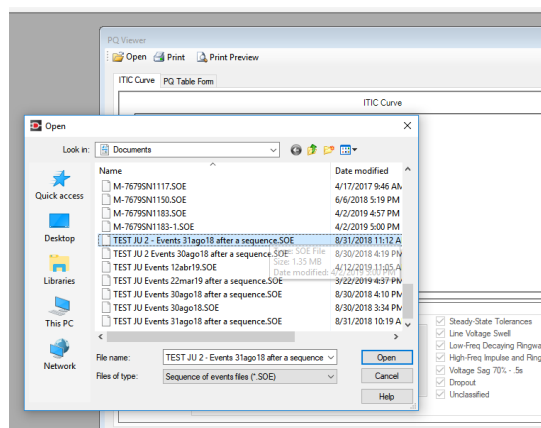
- Open
- Print
- Print Preview



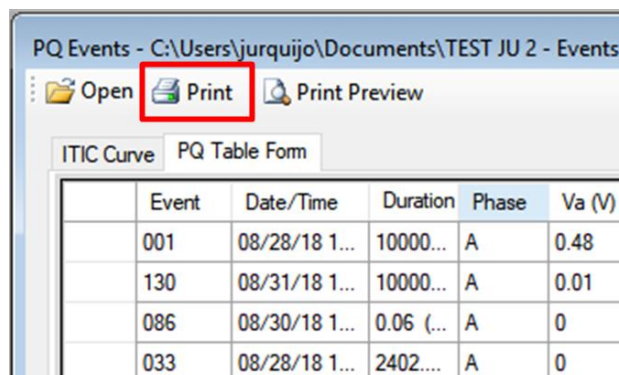
15 To open a PQ file, select the **Open** button in the tool bar.



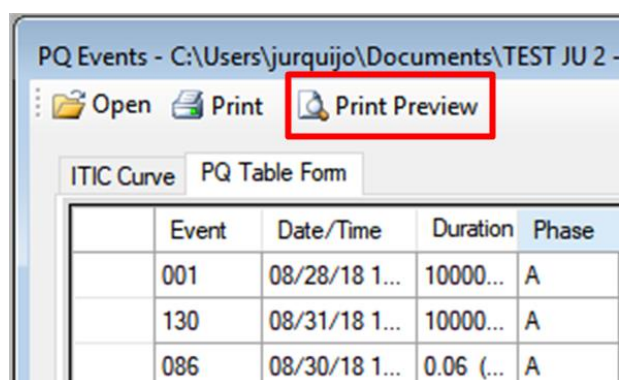
16 IPScom will display the Open dialog box. Find the required .SOE file and select **Open**.



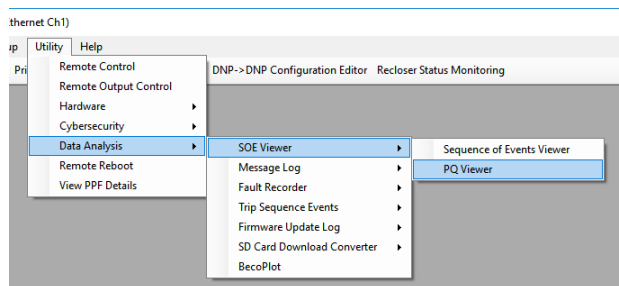
- 17 The user can Print the file by selecting the **Print** button.



- 18 Also, there is a **Print Preview** option in the tool bar.



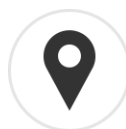
- 19 This procedure can also be done when connected to a M-7679 unit. Go to **Utility / Data Analysis / SEO Viewer / PQ Viewer**.



End of Procedure



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