



GRID  
PROTECTION  
ALLIANCE

**PQDashboard**  
**User's Group**

*open* **MIC**    *open* **XDA**  
**System Center**    **miMD**  
*open* **SEE**    **System Event**  
**Browser**  
**TrenDAP**    **POWER QUALITY**    **Digest**



# Proposed PQ Dashboard Updates

# Agenda

1:00 – 1:20 EPRI Introduction (Tom Cooke, EPRI)

1:20 – 1:25 GPA Updates (Erika Wills, GPA)

1:25 – 1:55 Fault Distance Calculation (Theo Laughner, LSA)

1:55 – 2:25 Trending Screens in SE Browser (Phillip Crittenden, TVA)

2:25 – 2:35 Break

2:35 – 3:05 OpenXDA at HECCO (Randy China, HECCO)

3:05 – 3:35 IT Challenges and Best Practices openXDA (Paul Trachian, TVA)

**3:35 – 4:05 Proposed PQ Dashboard Updates (Christoph Lackner, GPA)**

4:05 – 5:00 Discussion

# OpenXDA 3.0 Introduced new Applications

- Introduction of SEBrowser
  - System Event Browser
  - Includes
    - EventSearch
    - Trending
    - Custom Reports
  - Provides more detail than PQDashboard
  - Dashboard to focus on wide area overview

# SEBrowser Advanced Filtering

System Event 
⚙️

[Event Search](#)

[Meter Activity](#)

**Custom Reports**

[Breaker Report](#)

[TripCoil Report](#)

[CapBank Report](#)

**Time Window:**

Date:  📅

🕒

Time Window(+/-):  Day ▾

[This Hour](#) [Today](#) [This Week](#) [This Month](#)

[Last Hour](#) [Yesterday](#) [Last Week](#) [Last Month](#)

[Last 60 Minutes](#) [Last 24 Hours](#) [Last 7 Days](#) [Last 30 Days](#)

[This Quarter](#) [This Year](#)

[Last Quarter](#) [Last Year](#)

[Last 90 Days](#) [Last 365 Days](#)

**Other Types: (unselect all)**

- Fault
- Reclose Into Fault
- Breaker Opening - Nonfault
- Interruption
- Sag
- Swell
- Transient
- Other
- Test
- Snapshot

**Event Characteristics:**

Duration (cycle):  to

Mag-Dur:  ▾

Inside  Outside

Phase:  ▾

Transients (p.u.):  to

LL/LN:  ▾

Sags (p.u.):  to

LL/LN:  ▾

Swells (p.u.):  to

LL/LN:  ▾

**Other Filters:**

[Meter](#)

[Asset](#)

[AssetGroup](#)

[Station](#)

[Hide Filters](#)

[Reset Filters](#)

View As Mag/Dur

Time	Asset Type	Event Type	Meter Make	Station
02/13/2023 12:19:03.9671920	CapacitorBank	Other	Dranetz	CENTRAL CITY SS
02/13/2023 03:06:03.5312520	CapacitorBank	Other	Dranetz	CENTRAL CITY SS
02/03/2023 05:40:01.9674400	Bus	Other	Dranetz	CENTRAL CITY SS
02/03/2023 05:40:01.9674400	CapacitorBank	Other	Dranetz	CENTRAL CITY SS
02/03/2023 09:28:31.6936160	CapacitorBank	Other	Dranetz	CENTRAL CITY SS

Only the first 100 results are shown - please narrow your search or increase the number of results

Waveform Analysis **Fault** Correlating Events Configuration All

Asset History: 10 ▾

Stat	Value
VPeakMax	
VMax	
VMin	
IMax	702.97
I2tMax	
IPeakMax	1523.992
AVGMW	

Version 3.0.1

# SEBrowser Advanced Filtering

- Time Frame
  - Including Quick picks
- Event Types
  - Customizable categories
- Event Characteristics
  - Duration
  - Mag-Dur curves
- Magnitudes
- Phase
- Meters
- Assets
- Asset Groups
- Substations

**Time Window:**

Date:

Time Window(+/-):

This Hour	Today	This Week	This Month
Last Hour	Yesterday	Last Week	Last Month
Last 60 Minutes	Last 24 Hours	Last 7 Days	Last 30 Days
This Quarter	This Year		
Last Quarter	Last Year		
Last 90 Days	Last 365 Days		

**Other Types: (unselect all)**

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**Event Characteristics:**

Duration (cycle):  to

Mag-Dur:

Inside  Outside

Transients (p.u.):  to

Phase:

Sags (p.u.):  to

Swells (p.u.):  to

**Other Filters:**

- 
- 
- 
-

# PQDashboard Filters - Discussion

- PQDashboard can filter by
  - Timeframe
  - Meter
  - AssetGroup
- Potential for organizing Data by Asset
- Potential for advanced filtering to match SEBrowser
  - Simplify switch between applications
- Not clear if there is a need for these filters