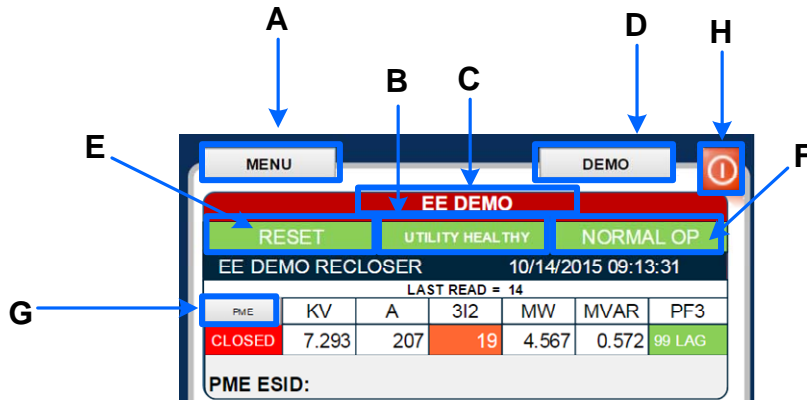


# SCADA SURVEILLANCE TRAINING CARD

## PROCEDURES



- Commands
- A. "Click" Returns to Main Navigation Screen
  - B. "Click" Utility Status: Determines if Utility is Healthy or Utility Status is Down
  - C. "Click" Provides EDS System Information
  - D. "Click" Returns to Previous Navigation Screen
  - E. "Click" Recloser Status: Reset - Normal Operation; Lockout is Lockout Mode
  - F. "Click" LAAR Status: States alternate between LAAR Active, LAAR Clear, Normal Operation
  - G. "Click" Proceeds to {Buttons Screen}
  - H. "Click" Logs Off Application  
(Application automatically Logs OFF after 5 min of No Activity)

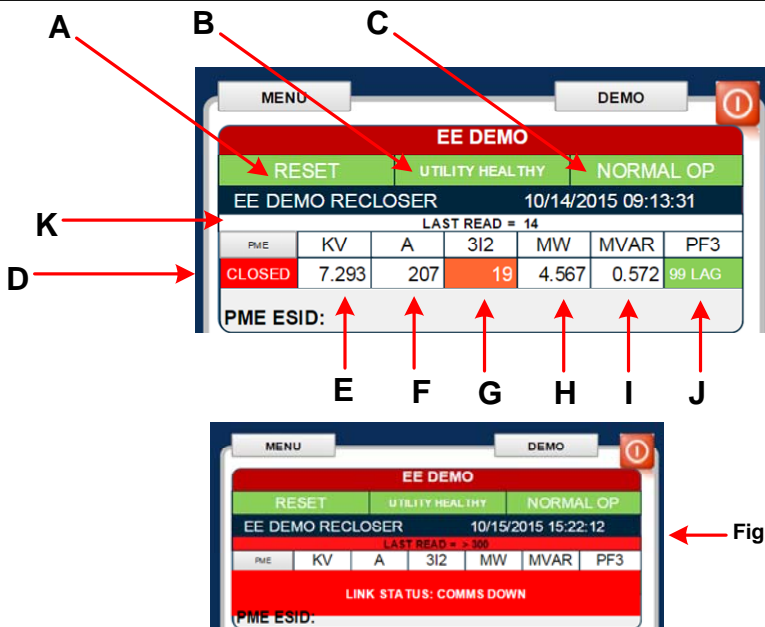
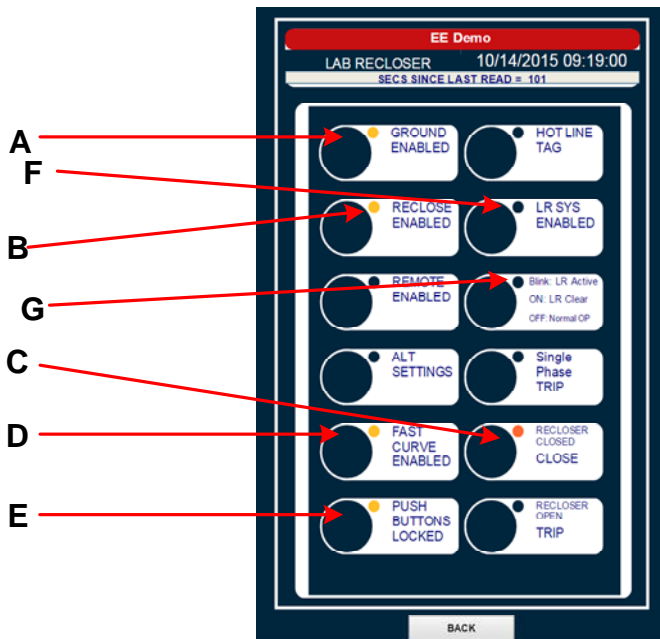


Figure 2.

- Indicators
- A. Recloser Status: Reset - Normal Operation; Lockout is Lockout Mode
  - B. Utility Status: Determines if Utility is Healthy or Utility Status is Down
  - C. LAAR Status: States alternate between LAAR Active, LAAR Clear, Normal Operation
  - D. Indicates if Recloser is Open or Closed
  - E. Realtime System Voltage
  - F. Realtime System Current
  - G. Measures System Balance (Recommend < 10)
  - H. Realtime System Load
  - I. Realtime System KVAR
  - J. Power Factor (Recommended > 95) Low PF can result in billing penalties
  - K. Counter refreshes approx. every 2 mins with Fresh Data  
(If Counter has not refreshed for 5 mins display is as Figure 2.)



- Normal Operating Lights  
(Screen is Read ONLY)
- A. Ground Enabled LED on Enables/Disables Ground Tripping
  - B. Reclose enabled led on allows recloser to Auto-Close After Trip
  - C. Recloser Closed
  - D. Fast Curve Enabled LED on Enables/Disables Fast Tripping to save/blow Fuses
  - E. Push Buttons Locked Led On (Disables All Button Except TRIP)  
(If in LAAR Program)
  - F. LR SYS Enabled LEN on Enables/Disables LAAR Tripping
  - G. **BLINK** LAAR Active On; **STEADY ON** LAAR Clear; **OFF** Normal Operations

# SCADA SURVEILLANCE TRAINING CARD

## MESSAGE ALARMS

A  
B

FRM:SCADA3@[ee-partners.com](mailto:ee-partners.com)  
SUBJ:EE Demo PME Alarm:  
MSG:10/14/2015 10:08:07 Utility is  
Down. Report Outage to Utility 1888-  
[XXXX-XXXX](tel:1888-XXXX-XXXX)  
PME ESID:XXXXXXXXXX XXXXXX

C  
D  
E

"Utility Down" Alarm

- A. Identifies Recloser by Name
- B. Identifies Timestamp of Event
- C. Name of Utility will be in place of "Utility"
- D. Contact number will be in place of (1888)XXX-XXXX
- E. Necessary Identification number will be provided

A  
B

FRM:SCADA3@[ee-partners.com](mailto:ee-partners.com)  
SUBJ:EE Demo PME Alarm:  
MSG:10/14/2015 10:26:38 LAAR  
ACTIVE Contact LAAR Provider.

C  
D

"LAAR Active" Alarm

- A. Identifies Recloser by Name
- B. Identifies Timestamp of Event
- C. LAAR ACTIVE Identifier
- D. Contact LAAR Provider

(Note: Recloser will be in Lockout Mode. Please wait for all clear)

A  
B

FRM:SCADA3@[ee-partners.com](mailto:ee-partners.com)  
SUBJ:EE Demo PME Alarm:  
MSG:10/14/2015 10:28:39 LAAR  
CLEAR. Resume Production

C  
D

"LAAR CLEAR" Alarm

- A. Identifies Recloser by Name
- B. Identifies Timestamp of Event
- C. LAAR CLEAR Identifier
- D. Recloser will be in Lockout Mode. Will manually have to close Recloser.

A  
B

FRM:SCADA3@[ee-partners.com](mailto:ee-partners.com)  
SUBJ:EE Demo PME Alarm:  
MSG:10/14/2015 10:03:20 Recloser is  
in Lockout Mode. Production Down

C

"Lockout" Alarm

- A. Identifies Recloser by Name
- B. Identifies Timestamp of Event
- C. Lockout Mode Identifier