FOI #15224

KASSEM & ASSOCIATES, P.C.

Attorneys At Law

1000 CLIFTON AVENUE
CLIFTON, NEW JERSEY 07013
TELEPHONE NO.: (973) 773-1300 FACSIMILE NO.: (973) 773-1325
TOLL FREE: (866) 586-5600
(Please respond to the Clifton Office)

Nabil N. Kassem*
Ethan C. Wells

* Also admitted in New York

West Caldwell Office:
607 Bloomfield Avenue
West Caldwell, New Jersey 07006

New York Office:
35 East Grassy Sprain Rd, Suite 508
Yonkers, New York 10710

August 6, 2014

Via Regular & Certified Mail/RRR

Elizabeth Police Department
1 Police Plaza
Elizabeth, New Jersey 07201

Yolanda M. Roberts, Clerk
50 Winfield Scott Plaza
Elizabeth, New Jersey 07201

08-15-14P03:01 RCVD

Newark Police Department
31 Green Street
Newark, New Jersey

Robert P. Marasco, Clerk
920 Broad Street
Newark, New Jersey 07102

Port Authority of New York and New Jersey
1 Path Plaza, 1st Floor
Jersey City, New Jersey 07306

Newark Liberty International Airport
3 Brewster Road
Newark, New Jersey 07114

Re: Claimant: Mr. Majed Abd-Elshahed
Location: Newark Liberty International Airport—Terminal A Arrivals
Date of Incident: August 4, 2014

Dear Sir/Madam:

Please be advised that this office represents the interests of Mr. Majed Abd-Elshahed in relation to an incident which occurred at Newark Liberty International Airport, at Terminal A, in the arrivals, on August 4, 2014 at approximately 9:25 a.m. As such, I am requesting that you kindly forward a copy of any and all incident reports, photographs, video surveillance tapes, recordings, DVDs and/or the like (collectively the "Recordings") which refer and/or relate to the aforementioned area/incident on the above-referenced date. As previously stated we believe that the incident occurred at approximately 9:25 a.m., but are demanding any and all Recordings for that area from August 4, 2014 to ensure we obtain any and all relevant evidence. Due to the nature of this situation, I am hereby placing you on notice that you must retain any and/or any and all records, including without limitation, any and all surveillance videos, photographs and/or the Recordings of that area on the above-referenced dates.

Additionally, kindly retain any and all maintenance and/or inspections records of the traffic control device(s) for that area within the past two (2) years from the dates referenced above. This correspondence shall confirm that you are on notice of the fact that Mr. Abd-Elshahed is demanding that you preserve and retain any and all records, documents, evidence and/or the like. Please be advised, that in the event any such evidence is destroyed, there may be a claim for spoliation. I trust that this will not be an issue and I look forward to obtaining the requested information.

If you have any questions and/or concerns, please do not hesitate to contact me. We appreciate and anticipate your cooperation in this matter.

Very truly yours,

NABIL N. KASSEM

NNK/cmv

THE PORT AUTHORITY OF NY & NJ

FOI Administrator

September 9, 2014

Mr. Nabil N. Kassem
Kassem & Associates, P.C.
1000 Clifton Avenue
Clifton, NJ 07013

Re: Freedom of Information Reference No. 15224

Dear Mr. Kassem:

This is in response to your August 6, 2014 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code") for copies of records related to Majed Abd-Elshahed's accident on 8/4/14 at Newark Liberty International Airport-Terminal A Arrivals. Copies of any and all maintenance and/or inspections records of the traffic control device(s) for the area within the past two (2) years from the date of the accident.

Material responsive to your request and available under the Code can be found on the Port Authority's website at http://www.panynj.gov/corporate-information/foi/15224-O.pdf. Paper copies of the available records are available upon request.

Please refer to the above FOI reference number in any future correspondence relating to your request.

Very truly yours,

Daniel D. Duffy
FOI Administrator

225 Park Avenue South, 17th FL
New York, NY 10003
T: 212 435 3642 F: 212 435 7555

JEN ELECTRIC INC.
TRAFFIC SYSTEMS SPECIALISTS
631 Morris Ave, Springfield, NJ 07081
Tel. 973.467.4901 Fax 973.467.4902

Letter of Transmittal

Date: August 22, 2012

To:
Robert Grassi
PANYNJ Electrical Maintenance
Building 80
Newark Liberty Int'l Airport
Newark, NJ 07114

From:
Jen Electric, Inc
631 Morris Avenue
Springfield, NJ 07081

Ref: Quarterly Inspection Reports

Message:

Dear Mr. Grassi,

Enclosed are the quarterly inspection reports for the twenty-two (22) signalized intersections at Newark Liberty International Airport. These were completed on August 18th and 20th.

If you have any questions or concerns please do not hesitate to contact us.

Sincerely,

Frank D. Dobiszewski, P.E., P.T.O.E.
Vice-President of Engineering

Traffic Signal Quarterly Preventive Maintenance Checklist - August 2012

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT — Date:

Signal No: 303 — Start Time: 11:30

Location: Term A / Ped 1 — Finish Time: 11:55

Contractor: JEN ELECTRIC, INC. — Signal Technician: F. DOBISZEWSKI

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
✓	Clean cabinet air filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Measure and record incoming AC service voltage (V= 114.5)		
✓	Check maintenance records to identify recurring maintenance issues that require attention		
✓	Test & reset ground fault receptacles, circuit breakers and fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Check and lubricate hinges and locks		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Check door gaskets and realign as required		
	Signal Heads		
✓	Perform ground level check of vehicular and pedestrian heads for lamp/LED module failures		
✓	Perform ground level check on condition of back plates		
✓	Perform ground level visibility check for all vehicle and pedestrian approaches		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles and Mast Arms		
✓	Perform ground level check alignment of mast arms		
✓	Check foundations for damage or deterioration		
	Detection		
NA	Perform visual inspection of all loop detectors and roadway area		
	Check operation of loop amplifiers & tune as required		
	Check all loop detectors to verify that vehicles are being detected		
	Check amplifier connectors for tightness		
	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
	Check video detectors to verify that vehicles are detected in all zones, tune as required		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing and time & day settings		
✓	Check conflict monitor by actual conflicts (removal of program card, MS-A connector)		
✓	Check and verify communications and ID number of controller		
✓	Verify the time settings in the local match the master		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check any special traffic signal equipment per manufacturer's recommendations		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check terminal connections for tightness		
✓	Check electrical/traffic plan and timing chart		

Signature: FDD — Date: August 20, 2012

NOTES:

Traffic Signal Quarterly Preventive Maintenance Checklist - August 2012

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT
Date:
Signal No: 304
Start Time: 12:30
Location: Term A / Ped 2
Finish Time: 12:55
Contractor: JEN ELECTRIC, INC.
Signal Technician: F. DOBISZEWSKI

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
✓	Clean cabinet air filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Measure and record incoming AC service voltage (V= 115.0)		
✓	Check maintenance records to identify recurring maintenance issues that require attention		
✓	Test & reset ground fault receptacles, circuit breakers and fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Check and lubricate hinges and locks		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Check door gaskets and realign as required		
	Signal Heads		
✓	Perform ground level check of vehicular and pedestrian heads for lamp/LED module failures		
✓	Perform ground level check on condition of back plates		
✓	Perform ground level visibility check for all vehicle and pedestrian approaches		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles and Mast Arms		
✓	Perform ground level check alignment of mast arms		
✓	Check foundations for damage or deterioration		
	Detection		
NA	Perform visual inspection of all loop detectors and roadway area		
✓	Check operation of loop amplifiers & tune as required		
✓	Check all loop detectors to verify that vehicles are being detected		
✓	Check amplifier connectors for tightness		
✓	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
✓	Check video detectors to verify that vehicles are detected in all zones, tune as required		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing and time & day settings		
✓	Check conflict monitor by actual conflicts (removal of program card, MS-A connector)		
✓	Check and verify communications and ID number of controller		
✓	Verify the time settings in the local match the master		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check any special traffic signal equipment per manufacturer's recommendations		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check terminal connections for tightness		
✓	Check electrical/traffic plan and timing chart		

Signature: FDO
Date: August 20, 2012

NOTES:

Traffic Signal Quarterly Preventive Maintenance Checklist - August 2013

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT
Date: 8/12/2013
Signal No: #303
Start Time: _____
Location: Term A: Ped cross #1 & HOV
Finish Time: _____
Contractor: JEN ELECTRIC, INC.
Signal Technician: DJ ROCCO

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
✓	Clean cabinet air filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Measure and record incoming AC service voltage (V=116 V)		
✓	Check maintenance records to identify recurring maintenance issues that require attention		
✓	Test & reset ground fault receptacles, circuit breakers and fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Check and lubricate hinges and locks		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Check door gaskets and realign as required		
	Signal Heads		
✓	Perform ground level check of vehicular and pedestrian heads for lamp/LED module failures		
✓	Perform ground level check on condition of back plates		
✓	Perform ground level visibility check for all vehicle and pedestrian approaches		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles and Mast Arms		
✓	Perform ground level check alignment of mast arms		
✓	Check foundations for damage or deterioration		
	Detection		
	Perform visual inspection of all loop detectors and roadway area	None	
	Check operation of loop amplifiers & tune as required	None	
	Check all loop detectors to verify that vehicles are being detected	None	
	Check amplifier connectors for tightness	None	
	Check microwave detectors to verify that vehicles are detected in all zones, tune as required	None	
	Check video detectors to verify that vehicles are detected in all zones, tune as required	None	
	Controller and Cabinet Equipment		
✓	Check and verify signal timing and time & day settings		
✓	Check conflict monitor by actual conflicts (removal of program card, MS-A connector)		
✓	Check and verify communications and ID number of controller		
✓	Verify the time settings in the local match the master		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check any special traffic signal equipment per manufacturer's recommendations		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check terminal connections for tightness		
	Check electrical/traffic plan and timing chart	No Plan	

Signature: _____ Date: 8/15/2013

NOTES:

COPY

Traffic Signal Quarterly Preventive Maintenance Checklist - August 2013

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT
Date: 8/12/2013
Signal No: #304
Start Time: _____
Location: Ped cross #2 / Term A HOV
Finish Time: _____
Contractor: JEN ELECTRIC, INC.
Signal Technician: DJ ROCCO

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
✓	Clean cabinet air filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Measure and record incoming AC service voltage (V=116V)		
✓	Check maintenance records to identify recurring maintenance issues that require attention		
✓	Test & reset ground fault receptacles, circuit breakers and fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Check and lubricate hinges and locks		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Check door gaskets and realign as required		
	Signal Heads		
✓	Perform ground level check of vehicular and pedestrian heads for lamp/LED module failures		
✓	Perform ground level check on condition of back plates		
✓	Perform ground level visibility check for all vehicle and pedestrian approaches		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles and Mast Arms		
✓	Perform ground level check alignment of mast arms		
✓	Check foundations for damage or deterioration		
	Detection		
	Perform visual inspection of all loop detectors and roadway area	None	
	Check operation of loop amplifiers & tune as required	None	
	Check all loop detectors to verify that vehicles are being detected	None	
	Check amplifier connectors for tightness	None	
	Check microwave detectors to verify that vehicles are detected in all zones, tune as required	None	
	Check video detectors to verify that vehicles are detected in all zones, tune as required	None	
	Controller and Cabinet Equipment		
✓	Check and verify signal timing and time & day settings		
✓	Check conflict monitor by actual conflicts (removal of program card, MS-A connector)		
✓	Check and verify communications and ID number of controller		
✓	Verify the time settings in the local match the master		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check any special traffic signal equipment per manufacturer's recommendations		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check terminal connections for tightness		
✓	Check electrical/traffic plan and timing chart		

Signature: [signature] Date: 8/12/2013

NOTES:

_____

_____

COPY

Traffic Signal Quarterly Preventive Maintenance Checklist - December 2013

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT
Date: 12-12-13
Signal No: 303
Start Time:
Location: Term A Ped X-ing 1
Finish Time:
Contractor: JEN ELECTRIC, INC.
Signal Technician:

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
✓	Clean cabinet air filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Measure and record incoming AC service voltage (V=116.7)		
✓	Check maintenance records to identify recurring maintenance issues that require attention		
✓	Test & reset ground fault receptacles, circuit breakers and fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Check and lubricate hinges and locks		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Check door gaskets and realign as required		
	Signal Heads		
✓	Perform ground level check of vehicular and pedestrian heads for lamp/LED module failures		
✓	Perform ground level check on condition of back plates		
✓	Perform ground level visibility check for all vehicle and pedestrian approaches		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles and Mast Arms		
✓	Perform ground level check alignment of mast arms		
✓	Check foundations for damage or deterioration		
	Detection		
—	Perform visual inspection of all loop detectors and roadway area		
—	Check operation of loop amplifiers & tune as required		
—	Check all loop detectors to verify that vehicles are being detected		
—	Check amplifier connectors for tightness		
—	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
—	Check video detectors to verify that vehicles are detected in all zones, tune as required		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing and time & day settings		
✓	Check conflict monitor by actual conflicts (removal of program card, MS-A connector)		
✓	Check and verify communications and ID number of controller		
✓	Verify the time settings in the local match the master		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check any special traffic signal equipment per manufacturer's recommendations		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check terminal connections for tightness		
✓	Check electrical/traffic plan and timing chart		

Signature:
Date: 12-12-13

NOTES:

Traffic Signal Quarterly Preventive Maintenance Checklist - December 2013

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT
Date: 12-12-13
Signal No: 304
Start Time: _____
Location: Term A Ped X-ing 2
Finish Time: _____
Contractor: JEN ELECTRIC, INC.
Signal Technician:

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
✓	Clean cabinet air filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Measure and record incoming AC service voltage (V= 115.5)		
✓	Check maintenance records to identify recurring maintenance issues that require attention		
✓	Test & reset ground fault receptacles, circuit breakers and fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Check and lubricate hinges and locks		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Check door gaskets and realign as required		
	Signal Heads		
✓	Perform ground level check of vehicular and pedestrian heads for lamp/LED module failures		
✓	Perform ground level check on condition of back plates		
✓	Perform ground level visibility check for all vehicle and pedestrian approaches		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles and Mast Arms		
✓	Perform ground level check alignment of mast arms		
✓	Check foundations for damage or deterioration		
	Detection		
—	Perform visual inspection of all loop detectors and roadway area		
—	Check operation of loop amplifiers & tune as required		
—	Check all loop detectors to verify that vehicles are being detected		
—	Check amplifier connectors for tightness		
—	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
—	Check video detectors to verify that vehicles are detected in all zones, tune as required		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing and time & day settings		
✓	Check conflict monitor by actual conflicts (removal of program card, MS-A connector)		
✓	Check and verify communications and ID number of controller		
✓	Verify the time settings in the local match the master		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check any special traffic signal equipment per manufacturer's recommendations		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check terminal connections for tightness		
✓	Check electrical/traffic plan and timing chart		

Signature: [signature] Date: 12-12-13

NOTES:

_____

_____

ANNUAL 2013

Attachment A
Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: MAY 1 AND 17, 2013
Int. No: EWR-TA-303	Start Time: 7:30 AM
Location: Terminal A HOV at Pedestrian Crossing 1	Finish Time: 3:30 PM
Contractor: Jen Electric, Inc.	Signal Technician: JD, DR, MR, JV

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
	Cabinet		
✓	Replace cabinet air filter; Cleaned perm filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Check bonding and resistance to ground rod, clean and re-tighten as required		
✓	Measure and record incoming AC service voltage at input side of mercury/solid state relay (V = 115.0)		
✓	Check and tighten all terminal connections		
✓	Check all Police functions: Flash Switch and Manual Control		
✓	Test & reset ground fault receptacles, circuit breakers and all equipment fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Lubricate hinges and locks		
✓	Tighten anchor bolts as required		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Verify that all spare conductors are landed on spare terminal blocks or taped off		
✓	Test and reset GFCI receptacle on power distribution panel; replace as required		
✓	Check door gaskets and realign or replace as required		
	Signal Heads		
✓	Check safety chains to make sure it is securely fastened		
✓	Check signal and mast arm sign mounting hardware re-tighten as required		
✓	Check Vehicular and Pedestrian heads LED module failures. Notify PANYNJ		
N/A	Re-lamp all incandescent signals (Excludes LED & Optically Programmed)		
✓	Check for cracked and/or damaged mounting brackets		
✓	Check gaskets for water infiltration and deterioration		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT

Date: MAY 1 AND 17, 2013

Int. No: EWR-TA-303

Start Time: 7:30 AM

Location: Terminal A HOV at Pedestrian Crossing 1

Finish Time: 3:30 PM

Contractor: Jen Electric, Inc.

Signal Technician: JD, DR, MR, JV

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
	Check signal head doors, wing nuts, hinges, visors & louvers (if installed)	BACKPLATE FOR SIGNAL V2 DAMAGED (SEE PHOTO)	NO
	Inspect traffic signal housing for cracks or damage	PAINT IS PEELING ON HEADS (SEE PHOTOS)	NO
✓	Check alignment of vehicle & pedestrian heads for the approach they serve, reorient as required		
N/A	Check for branches & foliage obstructing signal indications-Report to the Port Authority		
✓	Check for cracked and/or missing screws		
✓	Check and clean lenses, visors and signs		
N/A	Check bushings on cable outlet and universal hangers; replace as required		
✓	Check terminal block connections and re-tighten as required		
✓	Check serrated rings in signal heads for damage and re-tighten as required		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles, Mast Arms & Span Wires		
	Check poles, transformer bases and arms for wear and/or damage	POLE FOR SIGNALS P2+V2 DENTED POLE FOR SIGNAL P4 DENTED (SEE PHOTOS)	NO
✓	Adjust alignment & tighten mast arms to conform with approved drawing located in the cabinet		
✓	Check and tighten bolts between transformer base and foundation and shoe base		
✓	Check wire at outlets for chafing, ensure drip loop is properly installed; report issues to PANYNJ for action		
✓	Check paint condition and/or corrosion and notify PANYNJ		
✓	Check for missing pole caps and mast arm end caps; replace as required		
✓	Replace missing pole base access door		
✓	Check foundations for damage or deterioration		
N/A	Check condition of strain vises, if applicable		
N/A	Visually inspect each upper and lower tether span wire for damage or deterioration		
N/A	Visually inspect each upper and lower tether span wire for excess sag; report issues to PANYNJ for action		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: MAY 1 AND 17, 2013
Int. No: EWR-TA-303	Start Time: 7:30 AM
Location: Terminal A HOV at Pedestrian Crossing 1	Finish Time: 3:30 PM
Contractor: Jen Electric, Inc.	Signal Technician: JD, DR, MR, JV

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
N/A	Inspect all connecting span wire hardware; report issues to PANYNJ for action		
N/A	Inspect guy anchors for proper attachment and/or damage		
	Detection		
N/A	Perform visual inspection of all loop detectors and roadway area		
N/A	Check operation of loop amplifiers & tune as required[1]		
N/A	Check all loop detectors to verify that vehicles are being detected. Test loops as required[1]		
N/A	Check amplifier connectors for tightness		
N/A	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Clean video detection camera lenses		
N/A	Check video detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Check camera mounting to verify that it is secure		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing with the timing plan located in the cabinet and time, day & daylight savings settings		
✓	Check conflict monitor by actual conflicts with recording conflict monitor tester [2]		
✓	Check and verify communications to master controller and ID number of controller		
✓	Verify the time settings in the local to match the master		
✓	Verify vehicle and pedestrian calls		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check for electrical wiring plan, Traffic Signal sequencing plan and timing chart. Notify PANYNJ if missing		
N/A	Check and verify operation of UPS equipment. Restore operation as required		
N/A	Verify automatic transfer switch operation		

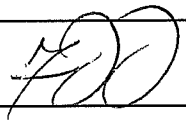
Attachment A
Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: MAY 1 AND 17, 2013
Int. No: EWR-TA-303	Start Time: 7:30 AM
Location: Terminal A HOV at Pedestrian Crossing 1	Finish Time: 3:30 PM
Contractor: Jen Electric, Inc.	Signal Technician: JD, DR, MR, JV

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
N/A	Verify incoming line voltage		
N/A	Verify DC output to batteries		
N/A	Verify AC output on inverter		
N/A	Check electrical connections		
N/A	Test system via simulated power outage at cabinet		
✓	Note and record make, model, firmware version, and serial number for controllers, conflict monitors and other major components	SEE BELOW UNDER "OTHER" HEADING	
	Miscellaneous Tasks		
✓	Check splice box & pull box for proper grade		
✓	Check splice box & pull box ground rod, clean and tighten conduit clamp as required		
✓	Remove foreign material from junction boxes, pull boxes, & hand holes		
✓	Check the integrity of splices		
	OTHER		

RECORDED MAKE, MODEL, AND SERIAL NUMBERS:

CONTROLLER: PEEK, 3000E FIRMWARE VERSION 5074 5.0, S/N 21114072
CMU: EDI, SSM-12LEC, S/N 110508964

Signature:  Date: May 17, 2013

1 - Malfunctioning loop amplifiers shall be temporarily replaced by an amplifier of known quality to isolate the problem. Replacement of amplifiers that are determined to be inoperable shall be performed only when directed by PANYNJ. Only loops that are determined to be inoperable shall be tested in accordance with the specifications when directed by the Manager.

2 - All conflict monitors shall be tested in accordance with the provisions in the specifications.

3 - In order to insure that all maintenance tasks have been performed and that all deficiencies have been identified and/or corrected, each line must be filled out and this page must be signed by the inspecting technician and the original copy shall be provided to Facility Electrical Maintenance Unit.

Agency : PANYNJ-EWR
Tested By : FDD
Location : EWR TERMINAL A
Date / Time : 17 May 2013, 12:47

www.atsi-tester.com

MONITOR INFORMATION
Manufacturer : EDI
Model : SSM-12LEC
Serial Number : 110508964
Device ID : 303

TEST EQUIPMENT
Software Version 6.3
PCMT-2600 Firmware v7.2
Serial Number : 2600-1611

SYSTEM TIMING TESTS

Interlock	: PASS	
Output Relay	: PASS	
Power Interrupt Timing	: PASS	478ms
Initial Flash Time	: PASS	4 sec
Start Delay Time	: PASS	2633ms
DC1 Monitor Timing	: PASS	
DC2 Monitor Timing	: PASS	
DC1 Monitor Auto Reset Timing	: PASS	3601ms
DC2 Monitor Auto Reset Timing	: PASS	3597ms
DC Monitor Inhibit	: PASS	
CVM Transfer Timing	: PASS	
CVM Autc Reset Timing	: PASS	3178ms
Conflict Timing	: PASS	259ms
Conflict Latching	: PASS	
Redfail Timing	: PASS	777ms
Redfail Latching	: PASS	

VOLTAGE TESTS (12 CHANNELS)

RED Channels 70Vrms Sine Wave	: PASS
RED Channels 50Vrms Sine Wave	: PASS
GRN Channels 25Vrms Sine Wave	: PASS
YEL Channels 25Vrms Sine Wave	: PASS
WLK Channels 25Vrms Sine Wave	: PASS
GRN Channels 25Vrms Positive Rectified	: PASS
YEL Channels 25Vrms Positive Rectified	: PASS
WLK Channels 25Vrms Positive Rectified	: PASS
GRN Channels 25Vrms Negative Rectified	: PASS
YEL Channels 25Vrms Negative Rectified	: PASS
WLK Channels 25Vrms Negative Rectified	: PASS
GRN Channels 15Vrms Sine Wave	: PASS
YEL Channels 15Vrms Sine Wave	: PASS
WLK Channels 15Vrms Sine Wave	: PASS
GRN Channels 15Vrms Positive Rectified	: PASS
YEL Channels 15Vrms Positive Rectified	: PASS
WLK Channels 15Vrms Positive Rectified	: PASS
GRN Channels 15Vrms Negative Rectified	: PASS
YEL Channels 15Vrms Negative Rectified	: PASS
WLK Channels 15Vrms Negative Rectified	: PASS
GRN Channels 120Vrms Through 1500pF	: PASS
YEL Channels 120Vrms Through 1500pF	: PASS
WLK Channels 120Vrms Through 1500pF	: PASS

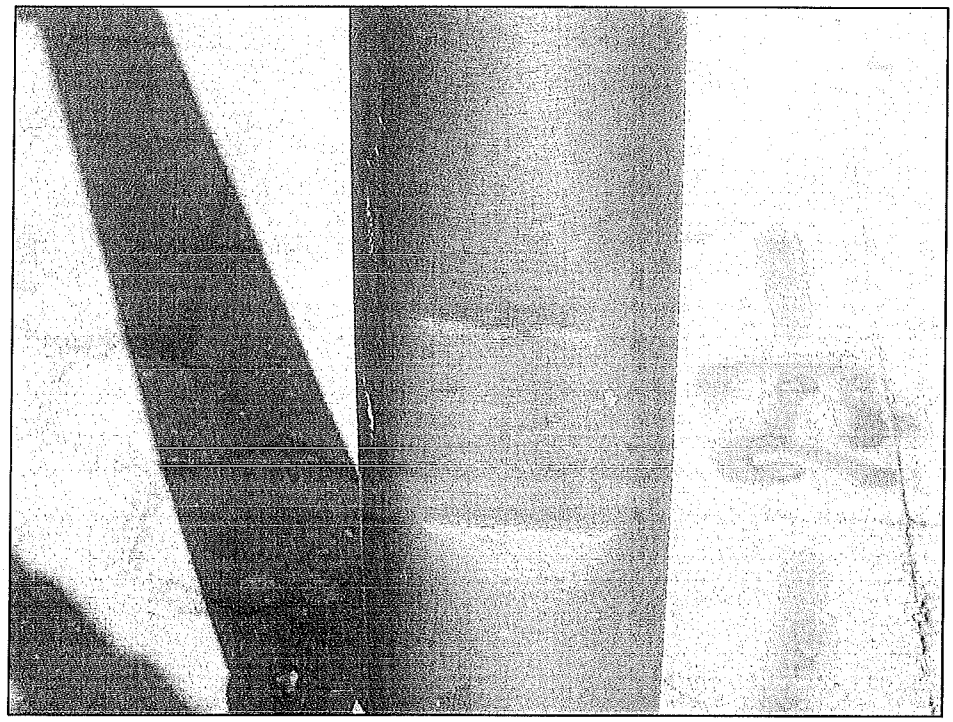
OPTIONAL TESTS

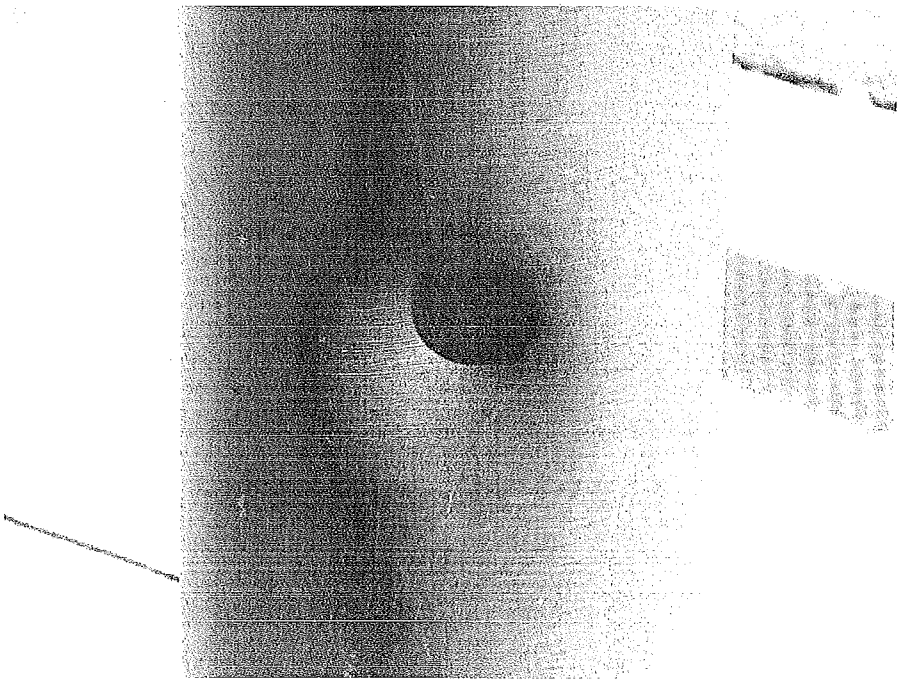
GRN-GRN Permissives (Non-Programmed Card)	: PASS
RED-WLK-GRN-YEL Single Channel	: PASS
GRN-YEL Dual Display	: PASS
RED-GRN Dual Display	: PASS
Logic GND / Earth GND Isolation	: PASS
Manual Reset Button	: PASS

Test complete 17 May 2013, 13:44

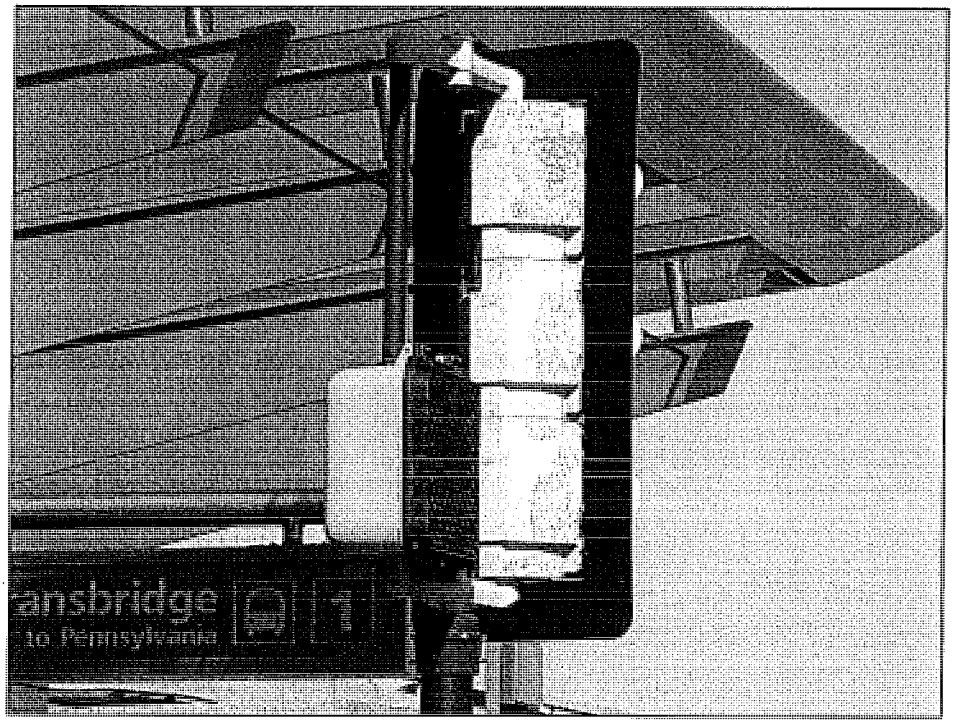
Passed All ATSI Certification Tests for NEMA TS1 Monitors.

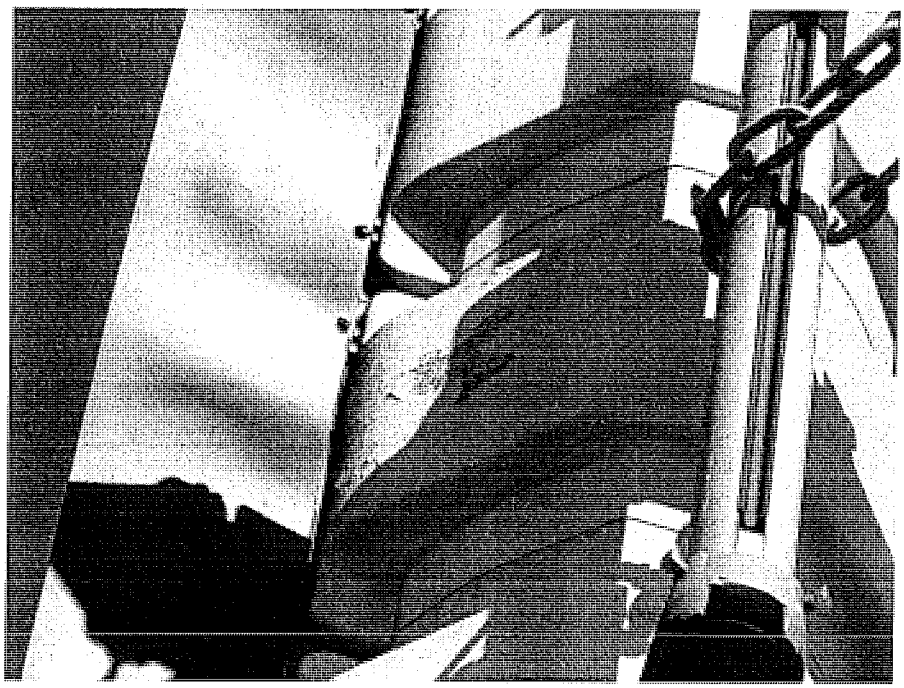
LOCATION 303
DENTED PEDESTAL POLES





LOCATION 303
PEELING SIGNAL HEAD
DAMAGED SIGNAL BACKPLATE





Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: MAY 6 AND 17, 2013
Int. No: EWR-TA-304	Start Time: 7:30 AM
Location: Terminal A HOV at Pedestrian Crossing 2	Finish Time: 3:30 PM
Contractor: Jen Electric, Inc.	Signal Technician: JD, DR, MR, JV

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
	Cabinet		
✓	Replace cabinet air filter; Cleaned perm filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Check bonding and resistance to ground rod, clean and re-tighten as required		
✓	Measure and record incoming AC service voltage at input side of mercury/solid state relay (V= 115.1)		
✓	Check and tighten all terminal connections		
✓	Check all Police functions: Flash Switch and Manual Control		
✓	Test & reset ground fault receptacles, circuit breakers and all equipment fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Lubricate hinges and locks		
✓	Tighten anchor bolts as required		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Verify that all spare conductors are landed on spare terminal blocks or taped off		
✓	Test and reset GFCI receptacle on power distribution panel; replace as required		
✓	Check door gaskets and realign or replace as required		
	Signal Heads		
✓	Check safety chains to make sure it is securely fastened		
✓	Check signal and mast arm sign mounting hardware re-tighten as required		
✓	Check Vehicular and Pedestrian heads LED module failures. Notify PANYNJ		
N/A	Re-lamp all incandescent signals (Excludes LED & Optically Programmed)		
✓	Check for cracked and/or damaged mounting brackets		
✓	Check gaskets for water infiltration and deterioration		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility:	NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: MAY 6 AND 17, 2013	
Int. No:	EWR-TA-304	Start Time: 7:30 AM	
Location:	Terminal A HOV at Pedestrian Crossing 2	Finish Time: 3:30 PM	
Contractor:	Jen Electric, Inc.	Signal Technician: JD, DR, MR, JV	

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
✓	Check signal head doors, wing nuts, hinges, visors & louvers (if installed)		
✓	Inspect traffic signal housing for cracks or damage		
✓	Check alignment of vehicle & pedestrian heads for the approach they serve, reorient as required		
N/A	Check for branches & foliage obstructing signal indications-Report to the Port Authority		
✓	Check for cracked and/or missing screws		
✓	Check and clean lenses, visors and signs		
N/A	Check bushings on cable outlet and universal hangers; replace as required		
✓	Check terminal block connections and re-tighten as required		
✓	Check serrated rings in signal heads for damage and re-tighten as required		
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles, Mast Arms & Span Wires		
✓	Check poles, transformer bases and arms for wear and/or damage		
✓	Adjust alignment & tighten mast arms to conform with approved drawing located in the cabinet		
✓	Check and tighten bolts between transformer base and foundation and shoe base		
✓	Check wire at outlets for chafing, ensure drip loop is properly installed; report issues to PANYNJ for action		
✓	Check paint condition and/or corrosion and notify PANYNJ		
✓	Check for missing pole caps and mast arm end caps; replace as required		
✓	Replace missing pole base access door		
✓	Check foundations for damage or deterioration		
N/A	Check condition of strain vises, if applicable		
N/A	Visually inspect each upper and lower tether span wire for damage or deterioration		
N/A	Visually inspect each upper and lower tether span wire for excess sag; report issues to PANYNJ for action		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: MAY 6 AND 17, 2013
Int. No: EWR-TA-304	Start Time: 7:30 AM
Location: Terminal A HOV at Pedestrian Crossing 2	Finish Time: 3:30 PM
Contractor: Jen Electric, Inc.	Signal Technician: JD, DR, MR, JV

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
N/A	Inspect all connecting span wire hardware; report issues to PANYNJ for action		
N/A	Inspect guy anchors for proper attachment and/or damage		
	Detection		
N/A	Perform visual inspection of all loop detectors and roadway area		
N/A	Check operation of loop amplifiers & tune as required[1]		
N/A	Check all loop detectors to verify that vehicles are being detected. Test loops as required[1]		
N/A	Check amplifier connectors for tightness		
N/A	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Clean video detection camera lenses		
N/A	Check video detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Check camera mounting to verify that it is secure		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing with the timing plan located in the cabinet and time, day & daylight savings settings		
✓	Check conflict monitor by actual conflicts with recording conflict monitor tester[2]		
✓	Check and verify communications to master controller and ID number of controller		
✓	Verify the time settings in the local to match the master		
✓	Verify vehicle and pedestrian calls		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check for electrical wiring plan, Traffic Signal sequencing plan and timing chart. Notify PANYNJ if missing		
N/A	Check and verify operation of UPS equipment. Restore operation as required		
N/A	Verify automatic transfer switch operation		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: MAY 6 AND 17, 2013
Int. No: EWR-TA-304	Start Time: 7:30 AM
Location: Terminal A HOV at Pedestrian Crossing 2	Finish Time: 3:30 PM
Contractor: Jen Electric, Inc.	Signal Technician: JD, DR, MR, JV

OK	TASK	DEFICIENCY NOTED AND/OR COMMENTS	DEFICIENCY CORRECTED
N/A	Verify incoming line voltage		
N/A	Verify DC output to batteries		
N/A	Verify AC output on inverter		
N/A	Check electrical connections		
N/A	Test system via simulated power outage at cabinet		
✓	Note and record make, model, firmware version, and serial number for controllers, conflict monitors and other major components	SEE BELOW UNDER "OTHER" HEADING	
	Miscellaneous Tasks		
✓	Check splice box & pull box for proper grade		
✓	Check splice box & pull box ground rod, clean and tighten conduit clamp as required		
✓	Remove foreign material from junction boxes, pull boxes, & hand holes		
✓	Check the integrity of splices		
	OTHER		

RECORDED MAKE, MODEL, AND SERIAL NUMBERS:

CONTROLLER: PEEK, 3000E FIRMWARE VERSION 5074 5.0, S/N 21224006
CMU: EDI, SSM-12LEC, S/N 110508969

Signature: [signature] Date: May 17, 2013

1 - Malfunctioning loop amplifiers shall be temporarily replaced by an amplifier of known quality to isolate the problem. Replacement of amplifiers that are determined to be inoperable shall be performed only when directed by PANYNJ. Only loops that are determined to be inoperable shall be tested in accordance with the specifications when directed by the Manager.

2 - All conflict monitors shall be tested in accordance with the provisions in the specifications.

3 - In order to insure that all maintenance tasks have been performed and that all deficiencies have been identified and/or corrected, each line must be filled out and this page must be signed by the inspecting technician and the original copy shall be provided to Facility Electrical Maintenance Unit.

NEMA TS1 Conflict Monitor Certification Test Report

www.atsi-tester.com

Agency : PANYNJ-EWR
Tested By : FDD
Location : EWR TERMINAL A
Date / Time : 17 May 2013, 08:47

MONITOR INFORMATION
Manufacturer : EDI
Model : SSM-12LEC
Serial Number : 110508969
Device ID : 304

TEST EQUIPMENT
Software Version 6.3
PCMT-2600 Firmware v7.2
Serial Number : 2600-1611

SYSTEM TIMING TESTS

Interlock	: PASS	
Output Relay	: PASS	
Power Interrupt Timing	: PASS	483ms
Initial Flash Time	: PASS	4 sec
Start Delay Time	: PASS	2650ms
DC1 Monitor Timing	: PASS	
DC2 Monitor Timing	: PASS	
DC1 Monitor Auto Reset Timing	: PASS	3591ms
DC2 Monitor Auto Reset Timing	: PASS	3583ms
DC Monitor Inhibit	: PASS	
CVM Transfer Timing	: PASS	
CVM Auto Reset Timing	: PASS	3183ms
Conflict Timing	: PASS	258ms
Conflict Latching	: PASS	
Redfail Timing	: PASS	783ms
Redfail Latching	: PASS	

VOLTAGE TESTS (12 CHANNELS)

RED Channels 70Vrms Sine Wave	: PASS
RED Channels 50Vrms Sine Wave	: PASS
GRN Channels 25Vrms Sine Wave	: PASS
YEL Channels 25Vrms Sine Wave	: PASS
WLK Channels 25Vrms Sine Wave	: PASS
GRN Channels 25Vrms Positive Rectified	: PASS
YEL Channels 25Vrms Positive Rectified	: PASS
WLK Channels 25Vrms Positive Rectified	: PASS
GRN Channels 25Vrms Negative Rectified	: PASS
YEL Channels 25Vrms Negative Rectified	: PASS
WLK Channels 25Vrms Negative Rectified	: PASS
GRN Channels 15Vrms Sine Wave	: PASS
YEL Channels 15Vrms Sine Wave	: PASS
WLK Channels 15Vrms Sine Wave	: PASS
GRN Channels 15Vrms Positive Rectified	: PASS
YEL Channels 15Vrms Positive Rectified	: PASS
WLK Channels 15Vrms Positive Rectified	: PASS
GRN Channels 15Vrms Negative Rectified	: PASS
YEL Channels 15Vrms Negative Rectified	: PASS
WLK Channels 15Vrms Negative Rectified	: PASS
GRN Channels 120Vrms Through 1500pF	: PASS
YEL Channels 120Vrms Through 1500pF	: PASS
WLK Channels 120Vrms Through 1500pF	: PASS

OPTIONAL TESTS

GRN-GRN Permissives (Non-Programmed Card)	: PASS
RED-WLK-GRN-YEL Single Channel	: PASS
GRN-YEL Dual Display	: PASS
RED-GRN Dual Display	: PASS
Logic GND / Earth GND Isolation	: PASS
Manual Reset Button	: PASS

Test complete 17 May 2013, 09:01

Passed All ATSI Certification Tests for NEMA TS1 Monitors.

JEN ELECTRIC INC.
TRAFFIC SYSTEMS SPECIALISTS

631 Morris Ave. Springfield, NJ 07081
Tel. 973.467.4901 Fax 973.467.4902

Letter of Transmittal

Date: August 14, 2014

To: PANYNJ
Newark Liberty International Airport
Building 80 - Brewster Road
Electrical Maintenance
Newark, NJ
Attention: Robert Grassi - Electrical Maintenance Supervisor

From: Jen Electric, Inc
631 Morris Avenue
Springfield, NJ 07081

Message:

Robert,

Enclosed are the quarterly PM sheets for August 14, 2014 performed at all traffic signals.

Please review and contact us with any questions or clarifications.

Thank you,

Frank D. Dobiszewski, P.E., P.T.O.E.

COPY

Traffic Signal Quarterly Preventive Maintenance Checklist - August 2014

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT **Date:** AUGUST 6, 2014

Signal No: 303 **Signal Technician:** FDD

Location: TERMINAL A - HOV AT PED-XING 1

Contractor: JEN ELECTRIC, INC.

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
X	Clean cabinet air filter		
X	Check operation of fan and thermostat		
X	Vacuum control cabinet to remove all dust and debris		
X	Check operation of cabinet light and switch; re place if necessary		
X	Measure and record incoming AC service voltage (V= 116.1)		
X	Check maintenance records to identify recurring ma intenance issues that require attention		
X	Test & reset ground fault receptacles, circuit breake rs and fuses, replace as required		
X	Check radio interference filter and surge arresto r, replace as required		
X	Check and lubricate hinges and locks		
X	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
X	Check door gaskets and realign as required		
	Signal Heads		
X	Perform ground level check of vehicular and p edestrian heads for lamp/LED module failures		
X	Perform ground level check on condition of b ack plates		
X	Perform ground level visibility check for all vehicle an d pedestrian approaches		
	Pushbuttons		
X	Check pushbutton and sign condition		
X	Check pushbutton for proper operation		
X	Check for damage to paint and touch up		
	Poles and Mast Arms		
X	Perform ground level check alignment of mast arms		
X	Check foundations for damage or deterioratio n		
	Detection		
—	Perform visual inspection of all loop detectors an d roadway area		
—	Check operation of loop amplifiers & tune a s required		
—	Check all loop detectors to verify that vehicles are being detected		
—	Check amplifier connectors for tightness		
—	Check microwave detectors to verify that vehicles are de tected in all zones, tune as required		
—	Check video detectors to verify that vehicles are d etected in all zones, tune as required		
	Controller and Cabinet Equipment		
X	Check and verify signal timing and time & day set tings		
X	Check conflict monitor by actual conflicts (removal of prog ram card, MS-A connector)		
X	Check and verify communications and ID number o f controller		
X	Verify the time settings in the local match the master		
X	Check controller to verify it operates in the mode selected by the supervisory master		
X	Disconnect from the master supervisory system and check for "free" or backup operation		
—	Check any special traffic signal equipment per ma nufacturer's recommendations		
X	Check load switches, flasher and relays for prope r fit into socket		
X	Wipe dust off controller, detectors, and auxiliary e quipment		
X	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
X	Check terminal connections for tightness		
X	Check electrical/traffic plan and timing chart		

Signature: FDD **Date:** AUGUST 6, 2014

NOTES:

COPY

Traffic Signal Quarterly Preventive Maintenance Checklist - August 2014

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT **Date:** AUGUST 6, 2014

Signal No: 304 **Signal Technician:** FDD

Location: TERMINAL A - HOV AT PED-XING 2

Contractor: JEN ELECTRIC, INC.

OK	TASK	DEFICIENCY NOTED	CORRECTED
	Cabinet		
X	Clean cabinet air filter		
X	Check operation of fan and thermostat		
X	Vacuum control cabinet to remove all dust and debris		
X	Check operation of cabinet light and switch; re place if necessary		
X	Measure and record incoming AC service voltage (V= 115.9)		
X	Check maintenance records to identify recurring ma intenance issues that require attention		
X	Test & reset ground fault receptacles, circuit breake rs and fuses, replace as required		
X	Check radio interference filter and surge arresto r, replace as required		
X	Check and lubricate hinges and locks		
X	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
X	Check door gaskets and realign as required		
	Signal Heads		
X	Perform ground level check of vehicular and p edestrian heads for lamp/LED module failures		
X	Perform ground level check on condition of b ack plates		
X	Perform ground level visibility check for all vehicle an d pedestrian approaches		
	Pushbuttons		
X	Check pushbutton and sign condition		
X	Check pushbutton for proper operation		
X	Check for damage to paint and touch up		
	Poles and Mast Arms		
X	Perform ground level check alignment of mast arms		
X	Check foundations for damage or deterioratio n		
	Detection		
—	Perform visual inspection of all loop detectors an d roadway area		
—	Check operation of loop amplifiers & tune a s required		
—	Check all loop detectors to verify that vehicles are being detected		
—	Check amplifier connectors for tightness		
—	Check microwave detectors to verify that vehicles are de tected in all zones, tune as required		
—	Check video detectors to verify that vehicles are d etected in all zones, tune as required		
	Controller and Cabinet Equipment		
X	Check and verify signal timing and time & day set tings		
X	Check conflict monitor by actual conflicts (removal of prog ram card, MS-A connector)		
X	Check and verify communications and ID number o f controller		
X	Verify the time settings in the local match the master		
X	Check controller to verify it operates in the mode selected by the supervisory master		
X	Disconnect from the master supervisory system and check for "free" or backup operation		
—	Check any special traffic signal equipment per ma nufacturer's recommendations		
X	Check load switches, flasher and relays for prope r fit into socket		
X	Wipe dust off controller, detectors, and auxiliary e quipment		
X	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
X	Check terminal connections for tightness		
X	Check electrical/traffic plan and timing chart		

Signature: FDD **Date:** AUGUST 6, 2014

NOTES:

2014 ANNUAL

THE PORT AUTHORITY OF NY & NJ

NEWARK LIBERTY INTERNATIONAL AIRPORT

2014 ANNUAL TRAFFIC SIGNAL INTERSECTION CERTIFICATIONS
Volume 1 of 3

PREPARED BY:

JEN ELECTRIC INC.
TRAFFIC SYSTEMS SPECIALISTS

631 Morris Ave. Springfield, NJ 07081
Tel. 973.467.4901 Fax 973.467.4902

SUBMITTED:
June 2014

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: May 6, 2014
Int. No: EWR-TA-303	Start Time: 8:30
Location: Terminal A HOV at Pedestrian Crossing 1	Finish Time: 13:30
Contractor: Jen Electric, Inc.	Signal Technician: JD, JR, RM, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
	Cabinet		
✓	Replace cabinet air filter; Cleaned perm filter		
	Check operation of fan and thermostat	THERMOSTAT BAD	YES
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Check bonding and resistance to ground rod, clean and re-tighten as required		
✓	Measure and record incoming AC service voltage at input side of mercury/solid state relay (V = 117.5)		
✓	Check and tighten all terminal connections		
✓	Check all Police functions: Flash Switch and Manual Control		
✓	Test & reset ground fault receptacles, circuit breakers and all equipment fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Lubricate hinges and locks		
✓	Tighten anchor bolts as required		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Verify that all spare conductors are landed on spare terminal blocks or taped off		
✓	Test and reset GFCI receptacle on power distribution panel; replace as required		
✓	Check door gaskets and realign or replace as required		
	Signal Heads		
—	Check safety chains to make sure it is securely fastened	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check signal and mast arm sign mounting hardware re-tighten as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check Vehicular and Pedestrian heads LED module failures. Notify PANYNJ	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
N/A	Re-lamp all incandescent signals (Excludes LED & Optically Programmed)		
—	Check for cracked and/or damaged mounting brackets	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check gaskets for water infiltration and deterioration	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT — Date: May 6, 2014

Int. No: EWR-TA-303 — Start Time: 8:30

Location: Terminal A HOV at Pedestrian Crossing 1 — Finish Time: 13:30

Contractor: Jen Electric, Inc. — Signal Technician: JD, JR, RM, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
—	Check signal head doors, wing nuts, hinges, visors & louvers (if installed)	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Inspect traffic signal housing for cracks or damage	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check alignment of vehicle & pedestrian heads for the approach they serve, reorient as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
N/A	Check for branches & foliage obstructing signal indications-Report to the Port Authority		
—	Check for cracked and/or missing screws	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check and clean lenses, visors and signs	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
N/A	Check bushings on cable outlet and universal hangers; replace as required		
—	Check terminal block connections and re-tighten as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check serrated rings in signal heads for damage and re-tighten as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles, Mast Arms & Span Wires		
✓	Check poles, transformer bases and arms for wear and/or damage		
✓	Adjust alignment & tighten mast arms to conform with approved drawing located in the cabinet		
✓	Check and tighten bolts between transformer base and foundation and shoe base		
✓	Check wire at outlets for chafing, ensure drip loop is properly installed; report issues to PANYNJ for action		
	Check paint condition and/or corrosion and notify PANYNJ	MAST ARMS ARE PEELING	NO
✓	Check for missing pole caps and mast arm end caps; replace as required		
—	Replace missing pole base access door		
✓	Check foundations for damage or deterioration		
N/A	Check condition of strain vises, if applicable		
N/A	Visually inspect each upper and lower tether span wire for damage or deterioration		
N/A	Visually inspect each upper and lower tether span wire for excess sag; report issues to PANYNJ for action		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: May 6, 2014
Int. No: EWR-TA-303	Start Time: 8:30
Location: Terminal A HOV at Pedestrian Crossing 1	Finish Time: 13:30
Contractor: Jen Electric, Inc.	Signal Technician: JD, JR, RM, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
N/A	Inspect all connecting span wire hardware; report issues to PANYNJ for action		
N/A	Inspect guy anchors for proper attachment and/or damage		
	Detection		
N/A	Perform visual inspection of all loop detectors and roadway area		
N/A	Check operation of loop amplifiers & tune as required		
N/A	Check all loop detectors to verify that vehicles are being detected. Test loops as required[1]		
N/A	Check amplifier connectors for tightness		
N/A	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Clean video detection camera lenses		
N/A	Check video detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Check camera mounting to verify that it is secure		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing with the timing plan located in the cabinet and time, day & daylight savings settings		
✓	Check conflict monitor by actual conflicts with recording conflict monitor tester[2]		
✓	Check and verify communications to master controller and ID number of controller		
✓	Verify the time settings in the local to match the master		
✓	Verify vehicle and pedestrian calls		
✓	Check controller to verify it operates in the mode selected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check for electrical wiring plan, Traffic Signal sequencing plan and timing chart. Notify PANYNJ if missing		
N/A	Check and verify operation of UPS equipment. Restore operation as required		
N/A	Verify automatic transfer switch operation		

Attachment A
Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	**Date:** May 6, 2014
Int. No: EWR-TA-303	**Start Time:** 8:30
Location: Terminal A HOV at Pedestrian Crossing 1	**Finish Time:** 13:30
Contractor: Jen Electric, Inc.	**Signal Technician:** JD, JR, RM, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
N/A	Verify incoming line voltage		
N/A	Verify DC output to batteries		
N/A	Verify AC output on inverter		
N/A	Check electrical connections		
N/A	Test system via simulated power outage at cabinet		
✓	Note and record make, model, firmware version, and serial number for controllers, conflict monitors and other major components		
	Miscellaneous Tasks		
✓	Check splice box & pull box for proper grade		
✓	Check splice box & pull box ground rod, clean and tighten conduit clamp as required		
	Remove foreign material from junction boxes, pull boxes, & hand holes	**JB'S FILLED WITH WATER; PUMPED OUT**	**YES**
✓	Check the integrity of splices		
	OTHER		

1. ALL EXISTING VEHICULAR SIGNAL HEADS, VISORS, LED MODULES, HANGERS, AND HARDWARE WERE REPLACED ON APRIL 27, 2014 UNDER PROJECT WORK CATEGORY OF CONTRACT.

RECORDED MAKE, MODEL, AND SERIAL NUMBERS:
CONTROLLER: PEEK, 3000E FIRMWARE VERSION 5074 5.0, S/N 21114072 CMU: EDI, SSM-12LEC, S/N 110508964

Signature: **Date:**

1 - Malfunctioning loop amplifiers shall be temporarily replaced by an amplifier of known quality to isolate the problem. Replacement of amplifiers that are determined to be inoperable shall be performed only when directed by PANYNJ. Only loops that are determined to be inoperable shall be tested in accordance with the specifications when directed by the Manager.

2 - All conflict monitors shall be tested in accordance with the provisions in the specifications.

3 - In order to insure that all maintenance tasks have been performed and that all deficiencies have been identified and/or corrected, each line must be filled out and this page must be signed by the inspecting technician and the original copy shall be provided to Facility Electrical Maintenance Unit.

www.atsi-tester.com

NEMA TS1 Conflict Monitor Certification Test Report

Agency : PANYNJ
Tested By : FDD
Location : TERMINAL A HOV PED X-ING1
Date / Time : 06 May 2014, 11:00

MONITOR INFORMATION
Manufacturer : EDI
Model : EDI SSM-12LEC
Serial Number : 110508964
Device ID : TA-303

TEST EQUIPMENT
Software Version 6.3
PCMT-2600 Firmware v7.6
Serial Number : 2600-1611

SYSTEM TIMING TESTS

Interlock	: PASS	
Output Relay	: PASS	
Power Interrupt Timing	: PASS	491ms
Initial Flash Time	: PASS	6 sec
Start Delay Time	: PASS	2641ms
DC1 Monitor Timing	: PASS	
DC2 Monitor Timing	: PASS	
DC1 Monitor Auto Reset Timing	: PASS	5608ms
DC2 Monitor Auto Reset Timing	: PASS	5600ms
DC Monitor Inhibit	: PASS	
CVM Transfer Timing	: PASS	
CVM Auto Reset Timing	: PASS	5191ms
Conflict Timing	: PASS	258ms
Conflict Latching	: PASS	
Redfail Timing	: PASS	775ms
Redfail Latching	: PASS	

VOLTAGE TESTS (12 CHANNELS)

RED Channels 70Vrms Sine Wave	: PASS
RED Channels 50Vrms Sine Wave	: PASS
GRN Channels 25Vrms Sine Wave	: PASS
YEL Channels 25Vrms Sine Wave	: PASS
WLK Channels 25Vrms Sine Wave	: PASS
GRN Channels 25Vrms Positive Rectified	: PASS
YEL Channels 25Vrms Positive Rectified	: PASS
WLK Channels 25Vrms Positive Rectified	: PASS
GRN Channels 25Vrms Negative Rectified	: PASS
YEL Channels 25Vrms Negative Rectified	: PASS
WLK Channels 25Vrms Negative Rectified	: PASS
GRN Channels 15Vrms Sine Wave	: PASS
YEL Channels 15Vrms Sine Wave	: PASS
WLK Channels 15Vrms Sine Wave	: PASS
GRN Channels 15Vrms Positive Rectified	: PASS
YEL Channels 15Vrms Positive Rectified	: PASS
WLK Channels 15Vrms Positive Rectified	: PASS
GRN Channels 15Vrms Negative Rectified	: PASS
YEL Channels 15Vrms Negative Rectified	: PASS
WLK Channels 15Vrms Negative Rectified	: PASS
GRN Channels 120Vrms Through 1500pF	: PASS
YEL Channels 120Vrms Through 1500pF	: PASS
WLK Channels 120Vrms Through 1500pF	: PASS

OPTIONAL TESTS

GRN-GRN Permissives (Non-Programmed Card)	: PASS
GRN-YEL Permissives (Non-Programmed Card)	: PASS
GRN-WLK Permissives (Non-Programmed Card)	: PASS
YEL-GRN Permissives (Non-Programmed Card)	: PASS
YEL-YEL Permissives (Non-Programmed Card)	: PASS
YEL-WLK Permissives (Non-Programmed Card)	: PASS
WLK-GRN Permissives (Non-Programmed Card)	: PASS
WLK-YEL Permissives (Non-Programmed Card)	: PASS
WLK-WLK Permissives (Non-Programmed Card)	: PASS
RED-WLK-GRN-YEL Single Channel	: PASS
YEL Plus RED Interval	: PASS
GRN-YEL Dual Display	: PASS
RED-GRN Dual Display	: PASS
YEL-RED Dual Display	: PASS
Logic GND / Earth GND Isolation	: PASS
Power and RED Channel Indicators	: PASS
Power, Conflict, GRN Channel Indicators	: PASS
Power, Conflict and YEL Channel Indicators	: PASS
Dual Display Indicator	: PASS

Redfail Indicator	: PASS
Short Yellow Indicator	: PASS
DC1 (24V1) Indicator	: PASS
DC2 (24V2) Indicator	: PASS
Manual Reset Button	: PASS

Test complete 06 May 2014, 11:32

Passed All ATSI Certification Tests for NEMA TS1 Monitors.

AC LINE EVENTS

>> AC Line Event Log
>> Monitor ID #303 EWR LOC 303 TERM A1 PED-XING
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 10:40:52 AM Tuesday, May 06, 2014
>> Number of events = 40

AC EVENT #1 at:
6:24:17 PM Saturday, July 20, 2013
Restore AC
AC Line Voltage = 97 Vrms

AC EVENT #2 at:
6:24:17 PM Saturday, July 20, 2013
Brownout AC
AC Line Voltage = 71 Vrms

AC EVENT #3 at:
8:57:34 AM Saturday, June 22, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #4 at:
8:57:34 AM Saturday, June 22, 2013
Brownout AC
AC Line Voltage = 83 Vrms

AC EVENT #5 at:
12:02:18 PM Friday, May 31, 2013
Restore AC
AC Line Voltage = 105 Vrms

AC EVENT #6 at:
12:02:17 PM Friday, May 31, 2013
Brownout AC
AC Line Voltage = 61 Vrms

AC EVENT #7 at:
2:12:19 PM Wednesday, May 15, 2013
AC Power Up
AC Line Voltage = 114 Vrms

AC EVENT #8 at:
2:06:28 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC LINE EVENTS

AC EVENT #9 at:
1:53:34 PM Wednesday, May 15, 2013
Restore AC
AC Line Voltage = 113 Vrms

AC EVENT #10 at:
1:53:30 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #11 at:
1:52:46 PM Wednesday, May 15, 2013
Restore AC
AC Line Voltage = 113 Vrms

AC EVENT #12 at:
1:52:41 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #13 at:
1:51:23 PM Wednesday, May 15, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #14 at:
1:51:21 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #15 at:
1:51:13 PM Wednesday, May 15, 2013
AC Power Up
AC Line Voltage = 112 Vrms

AC EVENT #16 at:
1:51:07 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #17 at:
1:51:05 PM Wednesday, May 15, 2013
Restore Interrupt AC
AC Line Voltage = 114 Vrms

AC LINE EVENTS

AC EVENT #18 at:
1:51:05 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #19 at:
1:50:26 PM Wednesday, May 15, 2013
AC Power Up
AC Line Voltage = 111 Vrms

AC EVENT #20 at:
1:44:23 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #21 at:
1:40:46 PM Wednesday, May 15, 2013
AC Power Up
AC Line Voltage = 111 Vrms

AC EVENT #22 at:
1:09:48 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #23 at:
2:10:53 PM Friday, April 12, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #24 at:
2:10:51 PM Friday, April 12, 2013
Brownout AC
AC Line Voltage = 86 Vrms

AC EVENT #25 at:
4:19:54 PM Tuesday, October 30, 2012
AC Power Up
AC Line Voltage = 119 Vrms

AC EVENT #26 at:
8:53:56 PM Monday, October 29, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #27 at:
4:56:46 PM Wednesday, July 18, 2012
Restore AC
AC Line Voltage = 109 Vrms

AC EVENT #28 at:
4:56:44 PM Wednesday, July 18, 2012
Brownout AC
AC Line Voltage = 83 Vrms

AC EVENT #29 at:
8:17:43 AM Monday, June 25, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC EVENT #30 at:
8:17:43 AM Monday, June 25, 2012
Brownout AC
AC Line Voltage = 87 Vrms

AC EVENT #31 at:
2:10:24 PM Friday, June 22, 2012
Restore AC
AC Line Voltage = 109 Vrms

AC EVENT #32 at:
2:10:23 PM Friday, June 22, 2012
Brownout AC
AC Line Voltage = 82 Vrms

AC EVENT #33 at:
5:01:14 PM Tuesday, May 29, 2012
AC Power Up
AC Line Voltage = 113 Vrms

AC EVENT #34 at:
4:10:52 PM Tuesday, May 29, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #35 at:
3:44:12 PM Tuesday, May 29, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC LINE EVENTS

AC EVENT #36 at:
3:44:07 PM Tuesday, May 29, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #37 at:
3:43:23 PM Tuesday, May 29, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC EVENT #38 at:
3:43:18 PM Tuesday, May 29, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #39 at:
3:42:03 PM Tuesday, May 29, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC EVENT #40 at:
3:42:00 PM Tuesday, May 29, 2012
Power Down
AC Line Voltage = 0 Vrms

>> Chronological Event Log
>> Monitor ID #303 EWR LOC 303 TERM A1 PED-XING
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 10:40:55 AM Tuesday, May 06, 2014
>> Number of Configuration Change Events = 9
>> Number of Monitor Reset Events = 25
>> Number of AC Line Events = 40
>> Number of Previous Fail Events = 25

MONITOR NON-LATCHED FAULT RESET EVENT #1 at:
10:08:32 AM Tuesday, May 06, 2014

PREVIOUS FAIL EVENT #1 at:
10:08:24 AM Tuesday, May 06, 2014
Fault = 24V-1 & 24V-2 Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	118	117	118	118	117	118	117	118	118	118	117	118
Y:	0	5	0	0	0	0	0	0	0	0	0	0
G:	0	4	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	5	0	0	0	0	0	0	0	0

AC Line = 117 Vrms @ 60Hz
Red Enable = Active (116 Vrms)
Temperature = 76 F

MONITOR NON-LATCHED FAULT RESET EVENT #2 at:
6:24:24 PM Saturday, July 20, 2013

PREVIOUS FAIL EVENT #2 at:
6:24:23 PM Saturday, July 20, 2013
Fault = CVM Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	Y	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	0	0	0	0	0	0	0	0	0	0	1	0
Y:	0	117	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0

CHRONO

W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 117 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 102 F

AC EVENT #1 at:
6:24:17 PM Saturday, July 20, 2013
Restore AC
AC Line Voltage = 97 Vrms

AC EVENT #2 at:
6:24:17 PM Saturday, July 20, 2013
Brownout AC
AC Line Voltage = 71 Vrms

MONITOR NON-LATCHED FAULT RESET EVENT #3 at:
8:57:41 AM Saturday, June 22, 2013

PREVIOUS FAIL EVENT #3 at:
8:57:40 AM Saturday, June 22, 2013
Fault = CVM Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	Y	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	0	0	0	0	0	0	0	0	0	0	0	0
Y:	0	116	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 116 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 85 F

AC EVENT #3 at:
8:57:34 AM Saturday, June 22, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #4 at:
8:57:34 AM Saturday, June 22, 2013
Brownout AC
AC Line Voltage = 83 Vrms

AC EVENT #5 at:
12:02:18 PM Friday, May 31, 2013
Restore AC
AC Line Voltage = 105 Vrms

AC EVENT #6 at:
12:02:17 PM Friday, May 31, 2013
Brownout AC
AC Line Voltage = 61 Vrms

MONITOR NON-LATCHED FAULT RESET EVENT #4 at:
2:12:26 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #4 at:
2:12:24 PM Wednesday, May 15, 2013
Fault = CVM Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	0	0	0	0	0	0	0	0	0	0	0	0
Y:	0	2	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 67 F

CONFIGURATION CHANGE #1 at:
2:12:23 PM Wednesday, May 15, 2013
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels
Ch 6 with: no channels
Ch 7 with: no channels
Ch 8 with: no channels
Ch 9 with: no channels
Ch 10 with: no channels
Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):

Ch:	1	2	3	4	5	6	7	8	9	10	11	12

```
  *>       . X . . . . . . . . . . .

                GY Enable Switch = ON
  *>       LEDguard Enable Switch = ON
           Watchdog Enable Switch = OFF
              Walk Disable Switch = OFF
          CVM Latch Enable Switch = OFF
          24V Latch Enable Switch = OFF
           CVM Log Disable Switch = OFF
               Minimum Flash Time = 6 seconds
                  24 Volt Inhibit = OFF
        Flashing Yellow Arrow Ch = None
       Configuration Check Value = 65426
```

AC EVENT #7 at:
2:12:19 PM Wednesday, May 15, 2013
AC Power Up
AC Line Voltage = 114 Vrms

AC EVENT #8 at:
2:06:28 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

MONITOR MANUAL RESET EVENT #5 at:
2:06:09 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #5 at:
2:06:02 PM Wednesday, May 15, 2013
Fault = Conflict Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	*	*										
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	G	G	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	116	115	116	115	116	116	116	116	116	115	116	116
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	115	114	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

```
            AC Line = 114 Vrms @ 60Hz
         Red Enable = Off (0 Vrms)
        Temperature = 71 F
```

MONITOR EXTERNAL RESET EVENT #6 at:
2:05:56 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #6 at:
2:05:55 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
												*
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	Y
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	121	120	121
Y:	0	0	0	0	0	0	0	0	0	0	0	119
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #7 at:
2:05:48 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #7 at:
2:05:47 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
											*	
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	Y	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	120	121	120	120	121
Y:	0	0	0	0	0	0	0	0	0	0	120	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #8 at:
2:05:40 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #8 at:

2:05:39 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10 *	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	Y	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	120	120	121
Y:	0	0	0	0	0	0	0	0	0	119	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #9 at:
2:05:32 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #9 at:
2:05:31 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9 *	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	Y	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	119	120	120	119	120	119	119	120
Y:	0	0	0	0	0	0	0	0	119	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 72 F

MONITOR EXTERNAL RESET EVENT #10 at:
2:05:24 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #10 at:
2:05:23 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
								*				
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	Y	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	121	120	121
Y:	0	0	0	0	0	0	0	120	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #11 at:
2:05:16 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #11 at:
2:05:15 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
							*					
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	Y	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	121	120	121
Y:	0	0	0	0	0	0	119	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

MONITOR EXTERNAL RESET EVENT #12 at:
2:05:08 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #12 at:
2:05:07 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
						*						

CHRONO

R	R	R	R	R	R	R	R	R	R	R	R
.	.	.	.	.	Y	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	120	120	121	120	120	121	120	119	121
Y:	0	0	0	0	0	119	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

MONITOR EXTERNAL RESET EVENT #13 at:
2:05:00 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #13 at:
2:04:59 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
					*							
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	Y	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	121	120	121
Y:	0	0	0	0	119	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #14 at:
2:04:52 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #14 at:
2:04:51 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
				*								
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	Y	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

```
      .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 121 120 121 120 119 120 120 120 120 120 119 121
    Y:   0   0   0 119   0   0   0   0   0   0   0   0
    G:   0   0   0   0   0   0   0   0   0   0   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

              AC Line = 114 Vrms @ 60Hz
           Red Enable = Active (115 Vrms)
          Temperature = 71 F
```

MONITOR EXTERNAL RESET EVENT #15 at:
2:04:44 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #15 at:
2:04:43 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

```
   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                 *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   Y   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 121 121 121 121 120 121 120 120 121 121 120 121
    Y:   0   0 119   0   0   0   0   0   0   0   0   0
    G:   0   0   0   0   0   0   0   0   0   0   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

              AC Line = 114 Vrms @ 60Hz
           Red Enable = Active (115 Vrms)
          Temperature = 70 F
```

MONITOR EXTERNAL RESET EVENT #16 at:
2:04:35 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #16 at:
2:04:34 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

```
   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
             *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   Y   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .
```

Channel RMS Voltages:

CHRONO

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	121	120	120	120	121	120	121
Y:	0	120	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #17 at:
2:04:27 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #17 at:
2:04:26 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	*											
	R	R	R	R	R	R	R	R	R	R	R	R
	Y	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	120	120	120	120	120	120	120	119	121
Y:	119	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #18 at:
2:04:12 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #18 at:
2:04:11 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
												*
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	G
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	120	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0

									CHRONO			
G:	0	0	0	0	0	0	0	0	0	0	0	118
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

MONITOR EXTERNAL RESET EVENT #19 at:
2:04:10 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #19 at:
2:04:09 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
											*	
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	G	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	120	120	120	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	119	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

MONITOR EXTERNAL RESET EVENT #20 at:
2:04:08 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #20 at:
2:04:06 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
										*		
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	G	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	120	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	119	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 72 F

MONITOR EXTERNAL RESET EVENT #21 at:
2:04:05 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #21 at:
2:04:04 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9 *	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	G	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	121	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	118	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 73 F

MONITOR EXTERNAL RESET EVENT #22 at:
2:04:03 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #22 at:
2:04:02 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8 *	9	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	G	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	121	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	119	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

MONITOR EXTERNAL RESET EVENT #23 at:
2:04:01 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #23 at:
2:04:00 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
							*					
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	G	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	120	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	120	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 60 F

MONITOR EXTERNAL RESET EVENT #24 at:
2:03:59 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #24 at:
2:03:58 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
						*						
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	G	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	120	120	121	120	120	120	120	120	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	120	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 74 F

MONITOR EXTERNAL RESET EVENT #25 at:
2:03:57 PM Wednesday, May 15, 2013

PREVIOUS FAIL EVENT #25 at:
2:03:56 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
					*							
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	G	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	120	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	120	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

AC EVENT #9 at:
1:53:34 PM Wednesday, May 15, 2013
Restore AC
AC Line Voltage = 113 Vrms

AC EVENT #10 at:
1:53:30 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #11 at:
1:52:46 PM Wednesday, May 15, 2013
Restore AC
AC Line Voltage = 113 Vrms

AC EVENT #12 at:
1:52:41 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #13 at:
1:51:23 PM Wednesday, May 15, 2013
Restore AC
AC Line Voltage = 114 Vrms

```
--------------------------------------------------------------------------

AC EVENT #14 at:
   1:51:21 PM  Wednesday, May 15, 2013
     Power Down
     AC Line Voltage = 0 Vrms

--------------------------------------------------------------------------

AC EVENT #15 at:
   1:51:13 PM  Wednesday, May 15, 2013
     AC Power Up
     AC Line Voltage = 112 Vrms

--------------------------------------------------------------------------

AC EVENT #16 at:
   1:51:07 PM  Wednesday, May 15, 2013
     Power Down
     AC Line Voltage = 0 Vrms

--------------------------------------------------------------------------

AC EVENT #17 at:
   1:51:05 PM  Wednesday, May 15, 2013
     Restore Interrupt AC
     AC Line Voltage = 114 Vrms

--------------------------------------------------------------------------

AC EVENT #18 at:
   1:51:05 PM  Wednesday, May 15, 2013
     Power Down
     AC Line Voltage = 0 Vrms

--------------------------------------------------------------------------

CONFIGURATION CHANGE #2 at:
   1:50:30 PM  Wednesday, May 15, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


  Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
*>      X  X  X  X  X  X  X  X  X  X  X  X

             GY Enable Switch = ON
*>     LEDguard Enable Switch = OFF
       Watchdog Enable Switch = OFF
          Walk Disable Switch = OFF
      CVM Latch Enable Switch = OFF
      24V Latch Enable Switch = OFF
```

```
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 6 seconds
                24 Volt Inhibit = OFF
       Flashing Yellow Arrow Ch = None
      Configuration Check Value = 56247

--------------------------------------------------------------------------------

AC EVENT #19 at:
   1:50:26 PM  Wednesday, May 15, 2013
     AC Power Up
     AC Line Voltage = 111 Vrms

--------------------------------------------------------------------------------

AC EVENT #20 at:
   1:44:23 PM  Wednesday, May 15, 2013
     Power Down
     AC Line Voltage = 0 Vrms

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #3 at:
   1:40:50 PM  Wednesday, May 15, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
*>       .  X  .  .  .  .  X  X  X  X  X  X

             GY Enable Switch = ON
        LEDguard Enable Switch = ON
        Watchdog Enable Switch = OFF
           Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 6 seconds
               24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 18754

--------------------------------------------------------------------------------

AC EVENT #21 at:
   1:40:46 PM  Wednesday, May 15, 2013
     AC Power Up
     AC Line Voltage = 111 Vrms

--------------------------------------------------------------------------------
```

AC EVENT #22 at:
1:09:48 PM Wednesday, May 15, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #23 at:
2:10:53 PM Friday, April 12, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #24 at:
2:10:51 PM Friday, April 12, 2013
Brownout AC
AC Line Voltage = 86 Vrms

AC EVENT #25 at:
4:19:54 PM Tuesday, October 30, 2012
AC Power Up
AC Line Voltage = 119 Vrms

AC EVENT #26 at:
8:53:56 PM Monday, October 29, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #27 at:
4:56:46 PM Wednesday, July 18, 2012
Restore AC
AC Line Voltage = 109 Vrms

AC EVENT #28 at:
4:56:44 PM Wednesday, July 18, 2012
Brownout AC
AC Line Voltage = 83 Vrms

AC EVENT #29 at:
8:17:43 AM Monday, June 25, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC EVENT #30 at:
8:17:43 AM Monday, June 25, 2012
Brownout AC
AC Line Voltage = 87 Vrms

```
AC EVENT #31 at:
   2:10:24 PM  Friday, June 22, 2012
     Restore AC
     AC Line Voltage = 109 Vrms

-------------------------------------------------------------------------

AC EVENT #32 at:
   2:10:23 PM  Friday, June 22, 2012
     Brownout AC
     AC Line Voltage = 82 Vrms

-------------------------------------------------------------------------

CONFIGURATION CHANGE #4 at:
   5:03:52 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      .  X  .  .  .  .  .  .  .  .  .  .

             GY Enable Switch = ON
       LEDguard Enable Switch = ON
       Watchdog Enable Switch = OFF
          Walk Disable Switch = OFF
      CVM Latch Enable Switch = OFF
      24V Latch Enable Switch = OFF
       CVM Log Disable Switch = OFF
           Minimum Flash Time = 6 seconds
              24 Volt Inhibit = OFF
    Flashing Yellow Arrow Ch = None
    Configuration Check Value = 65426

-------------------------------------------------------------------------

CONFIGURATION CHANGE #5 at:
   5:02:21 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels
```

```
    Signal Sequence Monitor Switches (X=Enable):
     Ch:  1  2  3  4  5  6  7  8  9 10 11 12
  *>      .  X  .  X  .  .  .  .  .  .  .  .

                GY Enable Switch = ON
  *>      LEDguard Enable Switch = ON
  *>      Watchdog Enable Switch = OFF
             Walk Disable Switch = OFF
         CVM Latch Enable Switch = OFF
         24V Latch Enable Switch = OFF
          CVM Log Disable Switch = OFF
              Minimum Flash Time = 6 seconds
                  24 Volt Inhibit = OFF
       Flashing Yellow Arrow Ch = None
      Configuration Check Value = 65404

-------------------------------------------------------------------------

CONFIGURATION CHANGE #6 at:
   5:01:18 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


    Signal Sequence Monitor Switches (X=Enable):
     Ch:  1  2  3  4  5  6  7  8  9 10 11 12
          X  X  X  X  X  X  X  X  X  X  X  X

                GY Enable Switch = ON
         LEDguard Enable Switch = OFF
         Watchdog Enable Switch = ON
             Walk Disable Switch = OFF
         CVM Latch Enable Switch = OFF
         24V Latch Enable Switch = OFF
          CVM Log Disable Switch = OFF
              Minimum Flash Time = 6 seconds
  *>              24 Volt Inhibit = OFF
       Flashing Yellow Arrow Ch = None
      Configuration Check Value = 7100

-------------------------------------------------------------------------

AC EVENT #33 at:
   5:01:14 PM  Tuesday, May 29, 2012
     AC Power Up
     AC Line Voltage = 113 Vrms

-------------------------------------------------------------------------

AC EVENT #34 at:
   4:10:52 PM  Tuesday, May 29, 2012
     Power Down
```

```
      AC Line Voltage = 0 Vrms

-------------------------------------------------------------------------

 CONFIGURATION CHANGE #7 at:
    4:10:51 PM  Tuesday, May 29, 2012
    Permissive Programming:
     Ch 1  with: no channels
     Ch 2  with: no channels
     Ch 3  with: no channels
     Ch 4  with: no channels
     Ch 5  with: no channels
     Ch 6  with: no channels
     Ch 7  with: no channels
     Ch 8  with: no channels
     Ch 9  with: no channels
     Ch 10 with: no channels
     Ch 11 with: no channels


    Signal Sequence Monitor Switches (X=Enable):
     Ch:  1  2  3  4  5  6  7  8  9 10 11 12
          X  X  X  X  X  X  X  X  X  X  X  X

               GY Enable Switch = ON
          LEDguard Enable Switch = OFF
          Watchdog Enable Switch = ON
             Walk Disable Switch = OFF
         CVM Latch Enable Switch = OFF
         24V Latch Enable Switch = OFF
          CVM Log Disable Switch = OFF
              Minimum Flash Time = 6 seconds
 *>              24 Volt Inhibit = ON
       Flashing Yellow Arrow Ch = None
      Configuration Check Value = 56061

-------------------------------------------------------------------------

AC EVENT #35 at:
    3:44:12 PM  Tuesday, May 29, 2012
      Restore AC
      AC Line Voltage = 112 Vrms

-------------------------------------------------------------------------

AC EVENT #36 at:
    3:44:07 PM  Tuesday, May 29, 2012
      Power Down
      AC Line Voltage = 0 Vrms

-------------------------------------------------------------------------

AC EVENT #37 at:
    3:43:23 PM  Tuesday, May 29, 2012
      Restore AC
      AC Line Voltage = 112 Vrms

-------------------------------------------------------------------------

AC EVENT #38 at:
    3:43:18 PM  Tuesday, May 29, 2012
      Power Down
      AC Line Voltage = 0 Vrms
```

```
--------------------------------------------------------------------------------

AC EVENT #39 at:
   3:42:03 PM  Tuesday, May 29, 2012
     Restore AC
     AC Line Voltage = 112 Vrms

--------------------------------------------------------------------------------

AC EVENT #40 at:
   3:42:00 PM  Tuesday, May 29, 2012
     Power Down
     AC Line Voltage = 0 Vrms

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #8 at:
   3:41:10 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      X  X  X  X  X  X  X  X  X  X  X  X

              GY Enable Switch = ON
 *>     LEDguard Enable Switch = OFF
 *>     Watchdog Enable Switch = ON
 *>        Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 6 seconds
               24 Volt Inhibit = OFF
      Flashing Yellow Arrow Ch = None
     Configuration Check Value = 7100

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #9 at:
   3:22:59 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
```

```
Ch 10 with: no channels
Ch 11 with: no channels


Signal Sequence Monitor Switches (X=Enable):
 Ch:  1  2  3  4  5  6  7  8  9 10 11 12
      .  X  .  X  .  .  .  .  .  .  .  .

           GY Enable Switch = ON
     LEDguard Enable Switch = ON
     Watchdog Enable Switch = OFF
        Walk Disable Switch = ON
    CVM Latch Enable Switch = OFF
    24V Latch Enable Switch = OFF
     CVM Log Disable Switch = OFF
         Minimum Flash Time = 6 seconds
            24 Volt Inhibit = OFF
  Flashing Yellow Arrow Ch = None
 Configuration Check Value = 16248
```

CMU RESET

>> Monitor Reset Event Log
>> Monitor ID #303 EWR LOC 303 TERM A1 PED-XING
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 10:40:51 AM Tuesday, May 06, 2014
>> Number of events = 25

MONITOR NON-LATCHED FAULT RESET EVENT #1 at:
   10:08:32 AM Tuesday, May 06, 2014

MONITOR NON-LATCHED FAULT RESET EVENT #2 at:
   6:24:24 PM Saturday, July 20, 2013

MONITOR NON-LATCHED FAULT RESET EVENT #3 at:
   8:57:41 AM Saturday, June 22, 2013

MONITOR NON-LATCHED FAULT RESET EVENT #4 at:
   2:12:26 PM Wednesday, May 15, 2013

MONITOR MANUAL RESET EVENT #5 at:
   2:06:09 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #6 at:
   2:05:56 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #7 at:
   2:05:48 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #8 at:
   2:05:40 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #9 at:
   2:05:32 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #10 at:
   2:05:24 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #11 at:
   2:05:16 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #12 at:
2:05:08 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #13 at:
2:05:00 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #14 at:
2:04:52 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #15 at:
2:04:44 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #16 at:
2:04:35 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #17 at:
2:04:27 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #18 at:
2:04:12 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #19 at:
2:04:10 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #20 at:
2:04:08 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #21 at:
2:04:05 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #22 at:
2:04:03 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #23 at:
2:04:01 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #24 at:

CMU RESET
2:03:59 PM Wednesday, May 15, 2013

MONITOR EXTERNAL RESET EVENT #25 at:
2:03:57 PM Wednesday, May 15, 2013

```
>> Configuration Log
>> Monitor ID #303  EWR LOC 303 TERM A1 PED-XING
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 10:40:51 AM  Tuesday, May 06, 2014
>> Number of events = 9
>> (A '*>' symbol indicates that parameter has changed)

--------------------------------------------------------------------------

CONFIGURATION CHANGE #1 at:
   2:12:23 PM  Wednesday, May 15, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      .  X  .  .  .  .  .  .  .  .  .  .

             GY Enable Switch = ON
 *>     LEDguard Enable Switch = ON
       Watchdog Enable Switch = OFF
          Walk Disable Switch = OFF
      CVM Latch Enable Switch = OFF
      24V Latch Enable Switch = OFF
       CVM Log Disable Switch = OFF
           Minimum Flash Time = 6 seconds
              24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 65426

--------------------------------------------------------------------------

CONFIGURATION CHANGE #2 at:
   1:50:30 PM  Wednesday, May 15, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
```

```
                                        CONFIG
 *>      X  X  X  X  X  X  X  X  X  X  X  X

              GY Enable Switch = ON
 *>     LEDguard Enable Switch = OFF
        Watchdog Enable Switch = OFF
           Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 6 seconds
               24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 56247

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #3 at:
   1:40:50 PM  Wednesday, May 15, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      .  X  .  .  .  .  X  X  X  X  X  X

              GY Enable Switch = ON
        LEDguard Enable Switch = ON
        Watchdog Enable Switch = OFF
           Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 6 seconds
               24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 18754

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #4 at:
   5:03:52 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
```

Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):

	Ch:	1	2	3	4	5	6	7	8	9	10	11	12
*>		.	X	.	.	.	.	.	.	.	.	.	.

GY Enable Switch = ON
LEDguard Enable Switch = ON
Watchdog Enable Switch = OFF
Walk Disable Switch = OFF
CVM Latch Enable Switch = OFF
24V Latch Enable Switch = OFF
CVM Log Disable Switch = OFF
Minimum Flash Time = 6 seconds
24 Volt Inhibit = OFF
Flashing Yellow Arrow Ch = None
Configuration Check Value = 65426

CONFIGURATION CHANGE #5 at:
5:02:21 PM Tuesday, May 29, 2012
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels
Ch 6 with: no channels
Ch 7 with: no channels
Ch 8 with: no channels
Ch 9 with: no channels
Ch 10 with: no channels
Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):

	Ch:	1	2	3	4	5	6	7	8	9	10	11	12
*>		.	X	.	X	.	.	.	.	.	.	.	.

GY Enable Switch = ON
*> LEDguard Enable Switch = ON
*> Watchdog Enable Switch = OFF
Walk Disable Switch = OFF
CVM Latch Enable Switch = OFF
24V Latch Enable Switch = OFF
CVM Log Disable Switch = OFF
Minimum Flash Time = 6 seconds
24 Volt Inhibit = OFF
Flashing Yellow Arrow Ch = None
Configuration Check Value = 65404

CONFIGURATION CHANGE #6 at:
5:01:18 PM Tuesday, May 29, 2012
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels

```
     Ch 6  with: no channels
     Ch 7  with: no channels
     Ch 8  with: no channels
     Ch 9  with: no channels
     Ch 10 with: no channels
     Ch 11 with: no channels


    Signal Sequence Monitor Switches (X=Enable):
     Ch:  1  2  3  4  5  6  7  8  9 10 11 12
          X  X  X  X  X  X  X  X  X  X  X  X

               GY Enable Switch = ON
         LEDguard Enable Switch = OFF
         Watchdog Enable Switch = ON
            Walk Disable Switch = OFF
        CVM Latch Enable Switch = OFF
        24V Latch Enable Switch = OFF
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 6 seconds
 *>             24 Volt Inhibit = OFF
      Flashing Yellow Arrow Ch = None
     Configuration Check Value = 7100
```

```
CONFIGURATION CHANGE #7 at:
   4:10:51 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
         X  X  X  X  X  X  X  X  X  X  X  X

               GY Enable Switch = ON
         LEDguard Enable Switch = OFF
         Watchdog Enable Switch = ON
            Walk Disable Switch = OFF
        CVM Latch Enable Switch = OFF
        24V Latch Enable Switch = OFF
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 6 seconds
 *>             24 Volt Inhibit = ON
      Flashing Yellow Arrow Ch = None
     Configuration Check Value = 56061
```

```
CONFIGURATION CHANGE #8 at:
   3:41:10 PM  Tuesday, May 29, 2012
   Permissive Programming:
```

```
     Ch 1  with: no channels
     Ch 2  with: no channels
     Ch 3  with: no channels
     Ch 4  with: no channels
     Ch 5  with: no channels
     Ch 6  with: no channels
     Ch 7  with: no channels
     Ch 8  with: no channels
     Ch 9  with: no channels
     Ch 10 with: no channels
     Ch 11 with: no channels


    Signal Sequence Monitor Switches (X=Enable):
     Ch:  1  2  3  4  5  6  7  8  9 10 11 12
  *>      X  X  X  X  X  X  X  X  X  X  X  X

               GY Enable Switch = ON
  *>      LEDguard Enable Switch = OFF
  *>      Watchdog Enable Switch = ON
  *>         Walk Disable Switch = OFF
        CVM Latch Enable Switch = OFF
        24V Latch Enable Switch = OFF
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 6 seconds
                24 Volt Inhibit = OFF
       Flashing Yellow Arrow Ch = None
      Configuration Check Value = 7100

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #9 at:
   3:22:59 PM  Tuesday, May 29, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
         .  X  .  X  .  .  .  .  .  .  .  .

              GY Enable Switch = ON
         LEDguard Enable Switch = ON
         Watchdog Enable Switch = OFF
            Walk Disable Switch = ON
        CVM Latch Enable Switch = OFF
        24V Latch Enable Switch = OFF
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 6 seconds
                24 Volt Inhibit = OFF
       Flashing Yellow Arrow Ch = None
      Configuration Check Value = 16248
```

```
>> Previous Fail Event Log
>> Monitor ID #303  EWR LOC 303 TERM A1 PED-XING
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 10:40:55 AM  Tuesday, May 06, 2014
>> Number of events = 25
```

PREVIOUS FAIL EVENT #1 at:
10:08:24 AM Tuesday, May 06, 2014
Fault = 24V-1 & 24V-2 Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	118	117	118	118	117	118	117	118	118	118	117	118
Y:	0	5	0	0	0	0	0	0	0	0	0	0
G:	0	4	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	5	0	0	0	0	0	0	0	0

AC Line = 117 Vrms @ 60Hz
Red Enable = Active (116 Vrms)
Temperature = 76 F

PREVIOUS FAIL EVENT #2 at:
6:24:23 PM Saturday, July 20, 2013
Fault = CVM Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	Y	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	0	0	0	0	0	0	0	0	0	0	1	0
Y:	0	117	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 117 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 102 F

PREVIOUS FAIL EVENT #3 at:
8:57:40 AM Saturday, June 22, 2013
Fault = CVM Fault

Channel Status:

PREV FAIL

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	Y	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	0	0	0	0	0	0	0	0	0	0	0	0
Y:	0	116	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 116 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 85 F

PREVIOUS FAIL EVENT #4 at:
2:12:24 PM Wednesday, May 15, 2013
Fault = CVM Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	0	0	0	0	0	0	0	0	0	0	0	0
Y:	0	2	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 67 F

PREVIOUS FAIL EVENT #5 at:
2:06:02 PM Wednesday, May 15, 2013
Fault = Conflict Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	*	*										
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	G	G	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	116	115	116	115	116	116	116	116	116	115	116	116
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	115	114	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz

Red Enable = Off (0 Vrms)
Temperature = 71 F

PREVIOUS FAIL EVENT #6 at:
2:05:55 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
												*
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	Y
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	121	120	121
Y:	0	0	0	0	0	0	0	0	0	0	0	119
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

PREVIOUS FAIL EVENT #7 at:
2:05:47 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
											*	
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	Y	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	120	121	120	120	121
Y:	0	0	0	0	0	0	0	0	0	0	120	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

PREVIOUS FAIL EVENT #8 at:
2:05:39 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
										*		
	R	R	R	R	R	R	R	R	R	R	R	R

```
                                                PREV FAIL
          .   .   .   .   .   .   .   .   .   .   Y   .   .
          .   .   .   .   .   .   .   .   .   .   .   .   .
          .   .   .   .   .   .   .   .   .   .   .   .   .

    Channel RMS Voltages:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
     R: 121 121 121 121 120 121 120 121 121 120 120 121
     Y:   0   0   0   0   0   0   0   0   0 119   0   0
     G:   0   0   0   0   0   0   0   0   0   0   0   0
     W:   0   0   0   0   0   0   0   0   0   0   0   0

              AC Line = 114 Vrms @ 60Hz
           Red Enable = Active (115 Vrms)
          Temperature = 71 F
```

```
PREVIOUS FAIL EVENT #9 at:
   2:05:31 PM  Wednesday, May 15, 2013
   Fault = Dual Indication Fault

   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                                       *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   .   Y   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 120 120 120 120 119 120 120 119 120 119 119 120
    Y:   0   0   0   0   0   0   0   0 119   0   0   0
    G:   0   0   0   0   0   0   0   0   0   0   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

             AC Line = 114 Vrms @ 60Hz
          Red Enable = Active (115 Vrms)
         Temperature = 72 F
```

```
PREVIOUS FAIL EVENT #10 at:
   2:05:23 PM  Wednesday, May 15, 2013
   Fault = Dual Indication Fault

   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                                       *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   Y   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 121 121 121 121 120 121 120 121 121 121 120 121
    Y:   0   0   0   0   0   0   0 120   0   0   0   0
    G:   0   0   0   0   0   0   0   0   0   0   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

             AC Line = 114 Vrms @ 60Hz
          Red Enable = Active (115 Vrms)
```

Temperature = 71 F

PREVIOUS FAIL EVENT #11 at:
2:05:15 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
							*					
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	Y	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	121	120	121
Y:	0	0	0	0	0	0	119	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

PREVIOUS FAIL EVENT #12 at:
2:05:07 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
						*						
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	Y	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	120	120	121	120	120	121	120	119	121
Y:	0	0	0	0	0	119	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

PREVIOUS FAIL EVENT #13 at:
2:04:59 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
					*							
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	Y	.	.	.	.	.	.	.

PREV FAIL

```
          .   .   .   .   .   .   .   .   .   .   .   .
          .   .   .   .   .   .   .   .   .   .   .   .
```

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	121	121	121	120	121
Y:	0	0	0	0	119	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

PREVIOUS FAIL EVENT #14 at:
2:04:51 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4 *	5	6	7	8	9	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	Y	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	119	120	120	120	120	120	119	121
Y:	0	0	0	119	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

PREVIOUS FAIL EVENT #15 at:
2:04:43 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3 *	4	5	6	7	8	9	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	Y	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	121	120	121	120	120	121	121	120	121
Y:	0	0	119	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

PREVIOUS FAIL EVENT #16 at:
2:04:34 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
		*										
	R	R	R	R	R	R	R	R	R	R	R	R
	.	Y	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	121	120	120	120	121	120	121
Y:	0	120	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

PREVIOUS FAIL EVENT #17 at:
2:04:26 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	*											
	R	R	R	R	R	R	R	R	R	R	R	R
	Y	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	120	120	120	120	120	120	120	119	121
Y:	119	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

PREVIOUS FAIL EVENT #18 at:
2:04:11 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
												*
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	G

```
      .   .   .   .   .   .   .   .   .   .   .   .

 Channel RMS Voltages:
  Ch:  1   2   3   4   5   6   7   8   9  10  11  12
  R: 121 120 121 120 120 120 120 120 120 120 119 121
  Y:   0   0   0   0   0   0   0   0   0   0   0   0
  G:   0   0   0   0   0   0   0   0   0   0   0 118
  W:   0   0   0   0   0   0   0   0   0   0   0   0

          AC Line = 114 Vrms @ 60Hz
       Red Enable = Active (115 Vrms)
      Temperature = 70 F
```

```
PREVIOUS FAIL EVENT #19 at:
   2:04:09 PM  Wednesday, May 15, 2013
   Fault = Dual Indication Fault

   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                                             *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   G   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 121 121 121 120 120 120 120 120 120 120 119 121
    Y:   0   0   0   0   0   0   0   0   0   0   0   0
    G:   0   0   0   0   0   0   0   0   0   0 119   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

          AC Line = 114 Vrms @ 60Hz
       Red Enable = Active (115 Vrms)
      Temperature = 70 F
```

```
PREVIOUS FAIL EVENT #20 at:
   2:04:06 PM  Wednesday, May 15, 2013
   Fault = Dual Indication Fault

   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                                         *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   G   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 121 120 121 120 120 120 120 120 120 120 119 121
    Y:   0   0   0   0   0   0   0   0   0   0   0   0
    G:   0   0   0   0   0   0   0   0   0 119   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

          AC Line = 114 Vrms @ 60Hz
       Red Enable = Active (115 Vrms)
      Temperature = 72 F
```

PREVIOUS FAIL EVENT #21 at:
2:04:04 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9 *	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	G	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	121	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	118	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 73 F

PREVIOUS FAIL EVENT #22 at:
2:04:02 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8 *	9	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	G	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	121	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	119	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

PREVIOUS FAIL EVENT #23 at:
2:04:00 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7 *	8	9	10	11	12
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	G	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	120	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	120	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 60 F

PREVIOUS FAIL EVENT #24 at:
2:03:58 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
						*						
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	G	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	121	121	120	120	121	120	120	120	120	120	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	120	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 74 F

PREVIOUS FAIL EVENT #25 at:
2:03:56 PM Wednesday, May 15, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
					*							
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	G	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	121	120	121	120	120	120	120	120	120	120	119	121
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	120	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: May 5, 2014
Int. No: EWR-TA-304	Start Time: 8:00
Location: Terminal A HOV at Pedestrian Crossing 2	Finish Time: 12:30
Contractor: Jen Electric, Inc.	Signal Technician: JD; JR, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
	Cabinet		
✓	Replace cabinet air filter; Cleaned perm filter		
✓	Check operation of fan and thermostat		
✓	Vacuum control cabinet to remove all dust and debris		
✓	Check operation of cabinet light and switch; replace if necessary		
✓	Check bonding and resistance to ground rod, clean and re-tighten as required		
✓	Measure and record incoming AC service voltage at input side of mercury/solid state relay (V = 115.8)		
✓	Check and tighten all terminal connections		
✓	Check all Police functions: Flash Switch and Manual Control		
✓	Test & reset ground fault receptacles, circuit breakers and all equipment fuses, replace as required		
✓	Check radio interference filter and surge arrestor, replace as required		
✓	Lubricate hinges and locks		
✓	Tighten anchor bolts as required		
✓	Check for water accumulation in the cabinet, seal as required. Replace duct seal as required		
✓	Verify that all spare conductors are landed on spare terminal blocks or taped off		
✓	Test and reset GFCI receptacle on power distribution panel; replace as required		
✓	Check door gaskets and realign or replace as required		
	Signal Heads		
—	Check safety chains to make sure it is securely fastened	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check signal and mast arm sign mounting hardware re-tighten as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check Vehicular and Pedestrian heads LED module failures. Notify PANYNJ	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
N/A	Re-lamp all incandescent signals (Excludes LED & Optically Programmed)		
—	Check for cracked and/or damaged mounting brackets	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check gaskets for water infiltration and deterioration	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/10)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT — Date: May 5, 2014

Int. No: EWR-TA-304 — Start Time: 8:00

Location: Terminal A HOV at Pedestrian Crossing 2 — Finish Time: 12:30

Contractor: Jen Electric, Inc. — Signal Technician: JD; JR, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
—	Check signal head doors, wing nuts, hinges, visors & louvers (if installed)	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Inspect traffic signal housing for cracks or damage	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check alignment of vehicle & pedestrian heads for the approach they serve, reorient as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
N/A	Check for branches & foliage obstructing signal indications-Report to the Port Authority		
—	Check for cracked and/or missing screws	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check and clean lenses, visors and signs	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
N/A	Check bushings on cable outlet and universal hangers; replace as required		
—	Check terminal block connections and re-tighten as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
—	Check serrated rings in signal heads for damage and re-tighten as required	SEE NOTE 1 ON PAGE 4 UNDER "OTHER" HEADING	
	Pushbuttons		
✓	Check pushbutton and sign condition		
✓	Check pushbutton for proper operation		
✓	Check for damage to paint and touch up		
	Poles, Mast Arms & Span Wires		
✓	Check poles, transformer bases and arms for wear and/or damage		
✓	Adjust alignment & tighten mast arms to conform with approved drawing located in the cabinet		
✓	Check and tighten bolts between transformer base and foundation and shoe base		
✓	Check wire at outlets for chafing, ensure drip loop is properly installed; report issues to PANYNJ for action		
	Check paint condition and/or corrosion and notify PANYNJ	MAST ARMS ARE PEELING	NO
✓	Check for missing pole caps and mast arm end caps; replace as required		
—	Replace missing pole base access door		
✓	Check foundations for damage or deterioration		
N/A	Check condition of strain vises, if applicable		
N/A	Visually inspect each upper and lower tether span wire for damage or deterioration		
N/A	Visually inspect each upper and lower tether span wire for excess sag; report issues to PANYNJ for action		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/0)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT — Date: May 5, 2014

Int. No: EWR-TA-304 — Start Time: 8:00

Location: Terminal A HOV at Pedestrian Crossing 2 — Finish Time: 12:30

Contractor: Jen Electric, Inc. — Signal Technician: JD; JR, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
N/A	Inspect all connecting span wire hardware; report issues to PANYNJ for action		
N/A	Inspect guy anchors for proper attachment and/or damage		
	Detection		
N/A	Perform visual inspection of all loop detectors androadway area		
N/A	Check operation of loop amplifiers & tune as required[1]		
N/A	Check all loop detectors to verify that vehicles are being detected. Test loops as required[1]		
N/A	Check amplifier connectors for tightness		
N/A	Check microwave detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Clean video detection camera lenses		
N/A	Check video detectors to verify that vehicles are detected in all zones, tune as required		
N/A	Check camera mounting to verify that it is secure		
	Controller and Cabinet Equipment		
✓	Check and verify signal timing with the timing plan located in the cabinet and time, day & daylight savings settings		
✓	Check conflict monitor by actual conflicts with recording conflict monitor tester[2]		
✓	Check and verify communications to master controllerand ID number of controller		
✓	Verify the time settings in the local to match the master		
✓	Verify vehicle and pedestrian calls		
✓	Check controller to verify it operates in the modeselected by the supervisory master		
✓	Disconnect from the master supervisory system and check for "free" or backup operation		
✓	Check load switches, flasher and relays for proper fit into socket		
✓	Wipe dust off controller, detectors, and auxiliary equipment		
✓	Check indicator lamps on controller, loop amplifiers and other electronics in cabinet		
✓	Check for electrical wiring plan, Traffic Signal sequencing plan and timing chart. Notify PANYNJ if missing		
N/A	Check and verify operation of UPS equipment. Restore operation as required		
N/A	Verify automatic transfer switch operation		

Attachment A

Traffic Signal Annual Preventive Maintenance Checklist (6/0)

Facility: NEWARK LIBERTY INTERNATIONAL AIRPORT	Date: May 5, 2014
Int. No: EWR-TA-304	Start Time: 8:00
Location: Terminal A HOV at Pedestrian Crossing 2	Finish Time: 12:30
Contractor: Jen Electric, Inc.	Signal Technician: JD; JR, FDD

OK	TASK	DEFICIENCY NOTED	DEFICIENCY CORRECTED
N/A	Verify incoming line voltage		
N/A	Verify DC output to batteries		
N/A	Verify AC output on inverter		
N/A	Check electrical connections		
N/A	Test system via simulated power outage at cabinet		
✓	Note and record make, model, firmware version,and serial number for controllers, conflict monitors and other major components		
	Miscellaneous Tasks		
✓	Check splice box & pull box for proper grade		
✓	Check splice box & pull box ground rod, clean and tighten conduit clamp as required		
	Remove foreign material from junction boxes, pull boxes, & hand holes	JB'S FILLED WITH WATER; PUMPED OUT	YES
✓	Check the integrity of splices		
	OTHER		

1. ALL EXISTING VEHICULAR SIGNAL HEADS, VISORS, LED MODULES, HANGERS, AND HARDWARE WERE REPLACED ON APRIL 27, 2014 UNDER PROJECT WORK CATEGORY OF CONTRACT.

RECORDED MAKE, MODEL, AND SERIAL NUMBERS:
CONTROLLER: PEEK, 3000E FIRMWARE VERSION 5074 5.0, S/N 21324001CMU: EDI, SSM-12LEC, S/N 110508969

Signature: **Date:**

1 - Malfunctioning loop amplifiers shall be temporarily replaced by an amplifier of known quality to isolate the problem. Replacement of amplifiers that are determined to be inoperable shall be performed only when directed by PANYNJ. Only loops that are determined to be inoperable shall be tested in accordance with the specifications when directed by the Manager.

2 - All conflict monitors shall be tested in accordance with the provisions in the specifications.

3 - In order to insure that all maintenance tasks have been performed and that all deficiencies have been identified and/or corrected, each line must be filled out and this page must be signed by the inspecting technician and the original copy shall be provided to Facility Electrical Maintenance Unit.

NEMA TS1 Conflict Monitor Certification Test Report

www.atsi-tester.com

Agency : PANYNJ
Tested By : FDD
Location : TERMINAL A HOV PED X-ING2
Date / Time : 05 May 2014, 14:59

MONITOR INFORMATION
Manufacturer : EDI
Model : EDI SSM-12LEC
Serial Number : 110508969
Device ID : TA-304

TEST EQUIPMENT
Software Version 6.3
PCMT-2600 Firmware v7.6
Serial Number : 2600-1611

SYSTEM TIMING TESTS

Interlock	: PASS	
Output Relay	: PASS	
Power Interrupt Timing	: PASS	491ms
Initial Flash Time	: PASS	7 sec
Start Delay Time	: PASS	2641ms
DC1 Monitor Timing	: PASS	
DC2 Monitor Timing	: PASS	
DC1 Monitor Auto Reset Timing	: PASS	6591ms
DC2 Monitor Auto Reset Timing	: PASS	6600ms
DC Monitor Inhibit	: PASS	
CVM Transfer Timing	: PASS	
CVM Auto Reset Timing	: PASS	6191ms
Conflict Timing	: PASS	250ms
Conflict Latching	: PASS	
Redfail Timing	: PASS	783ms
Redfail Latching	: PASS	

VOLTAGE TESTS (12 CHANNELS)

RED Channels 70Vrms Sine Wave	: PASS
RED Channels 50Vrms Sine Wave	: PASS
GRN Channels 25Vrms Sine Wave	: PASS
YEL Channels 25Vrms Sine Wave	: PASS
WLK Channels 25Vrms Sine Wave	: PASS
GRN Channels 25Vrms Positive Rectified	: PASS
YEL Channels 25Vrms Positive Rectified	: PASS
WLK Channels 25Vrms Positive Rectified	: PASS
GRN Channels 25Vrms Negative Rectified	: PASS
YEL Channels 25Vrms Negative Rectified	: PASS
WLK Channels 25Vrms Negative Rectified	: PASS
GRN Channels 15Vrms Sine Wave	: PASS
YEL Channels 15Vrms Sine Wave	: PASS
WLK Channels 15Vrms Sine Wave	: PASS
GRN Channels 15Vrms Positive Rectified	: PASS
YEL Channels 15Vrms Positive Rectified	: PASS
WLK Channels 15Vrms Positive Rectified	: PASS
GRN Channels 15Vrms Negative Rectified	: PASS
YEL Channels 15Vrms Negative Rectified	: PASS
WLK Channels 15Vrms Negative Rectified	: PASS
GRN Channels 120Vrms Through 1500pF	: PASS
YEL Channels 120Vrms Through 1500pF	: PASS
WLK Channels 120Vrms Through 1500pF	: PASS

OPTIONAL TESTS

GRN-GRN Permissives (Non-Programmed Card)	: PASS
GRN-YEL Permissives (Non-Programmed Card)	: PASS
GRN-WLK Permissives (Non-Programmed Card)	: PASS
YEL-GRN Permissives (Non-Programmed Card)	: PASS
YEL-YEL Permissives (Non-Programmed Card)	: PASS
YEL-WLK Permissives (Non-Programmed Card)	: PASS
WLK-GRN Permissives (Non-Programmed Card)	: PASS
WLK-YEL Permissives (Non-Programmed Card)	: PASS
WLK-WLK Permissives (Non-Programmed Card)	: PASS
RED-WLK-GRN-YEL Single Channel	: PASS
YEL Plus RED Interval	: PASS
GRN-YEL Dual Display	: PASS
RED-GRN Dual Display	: PASS
YEL-RED Dual Display	: PASS
Logic GND / Earth GND Isolation	: PASS
Power and RED Channel Indicators	: PASS
Power, Conflict, GRN Channel Indicators	: PASS
Power, Conflict and YEL Channel Indicators	: PASS
Dual Display Indicator	: PASS

Redfail Indicator	: PASS
Short Yellow Indicator	: PASS
DC1 (24V1) Indicator	: PASS
DC2 (24V2) Indicator	: PASS
Manual Reset Button	: PASS

Test complete 05 May 2014, 15:28

Passed All ATSI Certification Tests for NEMA TS1 Monitors.

>> AC Line Event Log
>> Monitor ID #304 TERM A PED-XING 2
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 1:35:42 PM Monday, May 05, 2014
>> Number of events = 40

AC EVENT #1 at:
6:22:31 PM Saturday, July 20, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #2 at:
6:22:29 PM Saturday, July 20, 2013
Brownout AC
AC Line Voltage = 81 Vrms

AC EVENT #3 at:
8:55:49 AM Saturday, June 22, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #4 at:
8:55:49 AM Saturday, June 22, 2013
Brownout AC
AC Line Voltage = 86 Vrms

AC EVENT #5 at:
12:00:35 PM Friday, May 31, 2013
Restore AC
AC Line Voltage = 106 Vrms

AC EVENT #6 at:
12:00:34 PM Friday, May 31, 2013
Brownout AC
AC Line Voltage = 59 Vrms

AC EVENT #7 at:
9:01:10 AM Friday, May 17, 2013
AC Power Up
AC Line Voltage = 116 Vrms

AC EVENT #8 at:
8:57:08 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #9 at:
8:46:00 AM Friday, May 17, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #10 at:
8:45:56 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #11 at:
8:45:12 AM Friday, May 17, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #12 at:
8:45:07 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #13 at:
8:43:59 AM Friday, May 17, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #14 at:
8:43:56 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #15 at:
8:43:51 AM Friday, May 17, 2013
AC Power Up
AC Line Voltage = 114 Vrms

AC EVENT #16 at:
8:43:45 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #17 at:
8:43:43 AM Friday, May 17, 2013
Restore Interrupt AC
AC Line Voltage = 115 Vrms

AC EVENT #18 at:
8:43:43 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #19 at:
8:43:02 AM Friday, May 17, 2013
AC Power Up
AC Line Voltage = 115 Vrms

AC EVENT #20 at:
8:35:56 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #21 at:
2:09:12 PM Friday, April 12, 2013
Restore AC
AC Line Voltage = 113 Vrms

AC EVENT #22 at:
2:09:11 PM Friday, April 12, 2013
Brownout AC
AC Line Voltage = 88 Vrms

AC EVENT #23 at:
4:18:14 PM Tuesday, October 30, 2012
AC Power Up
AC Line Voltage = 117 Vrms

AC EVENT #24 at:
8:52:16 PM Monday, October 29, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #25 at:
4:55:06 PM Wednesday, July 18, 2012
Restore AC
AC Line Voltage = 108 Vrms

AC EVENT #26 at:
4:55:04 PM Wednesday, July 18, 2012
Brownout AC
AC Line Voltage = 82 Vrms

AC EVENT #27 at:
8:16:04 AM Monday, June 25, 2012
Restore AC
AC Line Voltage = 113 Vrms

AC EVENT #28 at:
8:16:04 AM Monday, June 25, 2012
Brownout AC
AC Line Voltage = 85 Vrms

AC EVENT #29 at:
2:08:45 PM Friday, June 22, 2012
Restore AC
AC Line Voltage = 109 Vrms

AC EVENT #30 at:
2:08:43 PM Friday, June 22, 2012
Brownout AC
AC Line Voltage = 85 Vrms

AC EVENT #31 at:
4:22:46 PM Wednesday, May 30, 2012
AC Power Up
AC Line Voltage = 111 Vrms

AC EVENT #32 at:
4:20:27 PM Wednesday, May 30, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #33 at:
4:19:17 PM Wednesday, May 30, 2012
AC Power Up
AC Line Voltage = 113 Vrms

AC EVENT #34 at:
4:15:24 PM Wednesday, May 30, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #35 at:
3:44:50 PM Wednesday, May 30, 2012
Restore AC
AC Line Voltage = 111 Vrms

AC EVENT #36 at:
3:44:46 PM Wednesday, May 30, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #37 at:
3:44:07 PM Wednesday, May 30, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC EVENT #38 at:
3:44:02 PM Wednesday, May 30, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #39 at:
3:42:55 PM Wednesday, May 30, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC EVENT #40 at:
3:42:52 PM Wednesday, May 30, 2012
Power Down
AC Line Voltage = 0 Vrms

```
>> Chronological Event Log
>> Monitor ID #304  TERM A PED-XING 2
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 1:35:45 PM  Monday, May 05, 2014
>> Number of Configuration Change Events = 10
>> Number of Monitor Reset Events = 25
>> Number of AC Line Events = 40
>> Number of Previous Fail Events = 25

--------------------------------------------------------------------------

MONITOR NON-LATCHED FAULT RESET EVENT #1 at:
   6:22:37 PM  Saturday, July 20, 2013

--------------------------------------------------------------------------

PREVIOUS FAIL EVENT #1 at:
   6:22:35 PM  Saturday, July 20, 2013
   Fault = CVM Fault

   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
         .   .   .   .   .   .   .   .   .   .   .   .
         .   Y   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R:   1   1   1   0   0   0   0   0   1   0   0   0
    Y:   0 114   0   0   0   0   0   0   0   0   0   0
    G:   0   0   0   0   0   0   0   0   0   0   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

              AC Line = 115 Vrms @ 60Hz
           Red Enable = off (0 Vrms)
          Temperature = 104 F

--------------------------------------------------------------------------

AC EVENT #1 at:
   6:22:31 PM  Saturday, July 20, 2013
     Restore AC
     AC Line Voltage = 114 Vrms

--------------------------------------------------------------------------

AC EVENT #2 at:
   6:22:29 PM  Saturday, July 20, 2013
     Brownout AC
     AC Line Voltage = 81 Vrms

--------------------------------------------------------------------------

MONITOR NON-LATCHED FAULT RESET EVENT #2 at:
   8:55:56 AM  Saturday, June 22, 2013

--------------------------------------------------------------------------

PREVIOUS FAIL EVENT #2 at:
   8:55:53 AM  Saturday, June 22, 2013
```

Fault = CVM & 24V-1 & 24V-2 Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	Y	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	1	0	0	0	0	0	0	0	1	0	1	1
Y:	0	114	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 116 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 87 F

AC EVENT #3 at:
8:55:49 AM Saturday, June 22, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #4 at:
8:55:49 AM Saturday, June 22, 2013
Brownout AC
AC Line Voltage = 86 Vrms

MONITOR NON-LATCHED FAULT RESET EVENT #3 at:
12:00:41 PM Friday, May 31, 2013

PREVIOUS FAIL EVENT #3 at:
12:00:39 PM Friday, May 31, 2013
Fault = CVM Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	1	0	0	0	0	0	0	0	1	1	0	0
Y:	0	2	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 113 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 110 F

AC EVENT #5 at:
12:00:35 PM Friday, May 31, 2013
Restore AC
AC Line Voltage = 106 Vrms

AC EVENT #6 at:
12:00:34 PM Friday, May 31, 2013
Brownout AC
AC Line Voltage = 59 Vrms

MONITOR NON-LATCHED FAULT RESET EVENT #4 at:
9:01:17 AM Friday, May 17, 2013

CONFIGURATION CHANGE #1 at:
9:01:14 AM Friday, May 17, 2013
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels
Ch 6 with: no channels
Ch 7 with: no channels
Ch 8 with: no channels
Ch 9 with: no channels
Ch 10 with: no channels
Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):

	Ch:	1	2	3	4	5	6	7	8	9	10	11	12
*>		.	X	.	.	.	.	.	.	.	.	.	.

*> GY Enable Switch = OFF
*> LEDguard Enable Switch = ON
Watchdog Enable Switch = OFF
Walk Disable Switch = OFF
CVM Latch Enable Switch = OFF
24V Latch Enable Switch = OFF
CVM Log Disable Switch = OFF
Minimum Flash Time = 4 seconds
*> 24 Volt Inhibit = OFF
Flashing Yellow Arrow Ch = None
Configuration Check Value = 65474

PREVIOUS FAIL EVENT #4 at:
9:01:14 AM Friday, May 17, 2013
Fault = CVM & 24V-1 & 24V-2 Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	.	.	.	.	.	.	.	.	.	.	.	.
	.	Y	.	.	.	.	.	.	.	.	.	.

. . . . . .

. . . . . .

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	0	0	0	0	0	0	0	0	1	0	0	0
Y:	0	114	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 72 F

AC EVENT #7 at:
9:01:10 AM Friday, May 17, 2013
AC Power Up
AC Line Voltage = 116 Vrms

CONFIGURATION CHANGE #2 at:
8:57:08 AM Friday, May 17, 2013
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels
Ch 6 with: no channels
Ch 7 with: no channels
Ch 8 with: no channels
Ch 9 with: no channels
Ch 10 with: no channels
Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	X	X	X	X	X	X	X	X	X	X	X	X

GY Enable Switch = ON
LEDguard Enable Switch = OFF
Watchdog Enable Switch = OFF
Walk Disable Switch = OFF
CVM Latch Enable Switch = OFF
24V Latch Enable Switch = OFF
CVM Log Disable Switch = OFF
Minimum Flash Time = 4 seconds
*> 24 Volt Inhibit = ON
Flashing Yellow Arrow Ch = None
Configuration Check Value = 55951

AC EVENT #8 at:
8:57:08 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

MONITOR MANUAL RESET EVENT #5 at:
8:56:51 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #5 at:
8:56:46 AM Friday, May 17, 2013
Fault = Conflict Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
	*	*										
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	G	G	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	117	117	117	117	117	117	116	117	117	117	117	117
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	115	115	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 116 Vrms @ 60Hz
Red Enable = Off (0 Vrms)
Temperature = 73 F

MONITOR EXTERNAL RESET EVENT #6 at:
8:56:41 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #6 at:
8:56:40 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
												*
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	G
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	120	120	120	120	120
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	0	120
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 75 F

MONITOR EXTERNAL RESET EVENT #7 at:
8:56:39 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #7 at:
8:56:37 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
											*	
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	G	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	120	120	120	120	120
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	0	120	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 70 F

MONITOR EXTERNAL RESET EVENT #8 at:
8:56:36 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #8 at:
8:56:35 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
										*		
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	G	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	121	120	120	120	120
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	0	120	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 73 F

MONITOR EXTERNAL RESET EVENT #9 at:
8:56:34 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #9 at:
8:56:33 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
									*			
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	G	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	120	120	120	120	120
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	0	119	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 73 F

MONITOR EXTERNAL RESET EVENT #10 at:
8:56:32 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #10 at:
8:56:31 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
								*				
	R	R	R	R	R	R	R	R	R	R	R	R
	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	G	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	121	120	120	120	120	120	120	120
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	0	0	0	0	0	0	0	120	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 116 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 69 F

MONITOR EXTERNAL RESET EVENT #11 at:
8:56:30 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #11 at:
8:56:29 AM Friday, May 17, 2013
Fault = Dual Indication Fault

```
    Channel Status:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                                  *
          R   R   R   R   R   R   R   R   R   R   R   R
          .   .   .   .   .   .   .   .   .   .   .   .
          .   .   .   .   .   .   G   .   .   .   .   .
          .   .   .   .   .   .   .   .   .   .   .   .

    Channel RMS Voltages:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
     R: 120 120 120 120 120 120 120 120 120 120 120 120
     Y:   0   0   0   0   0   0   0   0   0   0   0   0
     G:   0   0   0   0   0   0 119   0   0   0   0   0
     W:   0   0   0   0   0   0   0   0   0   0   0   0

               AC Line = 115 Vrms @ 60Hz
            Red Enable = Active (115 Vrms)
           Temperature = 64 F
```

MONITOR EXTERNAL RESET EVENT #12 at:
8:56:28 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #12 at:
8:56:27 AM Friday, May 17, 2013
Fault = Dual Indication Fault

```
    Channel Status:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                              *
          R   R   R   R   R   R   R   R   R   R   R   R
          .   .   .   .   .   .   .   .   .   .   .   .
          .   .   .   .   .   G   .   .   .   .   .   .
          .   .   .   .   .   .   .   .   .   .   .   .

    Channel RMS Voltages:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
     R: 120 120 120 120 121 120 120 121 120 120 120 120
     Y:   0   0   0   0   0   0   0   0   0   0   0   0
     G:   0   0   0   0   0 120   0   0   0   0   0   0
     W:   0   0   0   0   0   0   0   0   0   0   0   0

               AC Line = 116 Vrms @ 60Hz
            Red Enable = Active (116 Vrms)
           Temperature = 73 F
```

MONITOR EXTERNAL RESET EVENT #13 at:
8:56:26 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #13 at:
8:56:25 AM Friday, May 17, 2013
Fault = Dual Indication Fault

```
    Channel Status:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
```

```
                                  *
        R   R   R   R   R   R   R   R   R   R   R   R
        .   .   .   .   .   .   .   .   .   .   .   .
        .   .   .   .   G   .   .   .   .   .   .   .
        .   .   .   .   .   .   .   .   .   .   .   .

    Channel RMS Voltages:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
     R: 120 120 120 121 121 120 120 121 120 120 120 120
     Y:   0   0   0   0   0   0   0   0   0   0   0   0
     G:   0   0   0   0 119   0   0   0   0   0   0   0
     W:   0   0   0   0   0   0   0   0   0   0   0   0

              AC Line = 115 Vrms @ 60Hz
          Red Enable = Active (115 Vrms)
         Temperature = 73 F
```

MONITOR EXTERNAL RESET EVENT #14 at:
8:56:24 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #14 at:
8:56:23 AM Friday, May 17, 2013
Fault = Dual Indication Fault

```
   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                     *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   G   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 120 120 120 120 121 120 120 120 120 120 120 120
    Y:   0   0   0   0   0   0   0   0   0   0   0   0
    G:   0   0   0 118   0   0   0   0   0   0   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

             AC Line = 115 Vrms @ 60Hz
         Red Enable = Active (115 Vrms)
        Temperature = 71 F
```

MONITOR EXTERNAL RESET EVENT #15 at:
8:56:22 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #15 at:
8:56:21 AM Friday, May 17, 2013
Fault = Dual Indication Fault

```
   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
                 *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   .   .   .   .   .
```

```
         .   .   G   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

    Channel RMS Voltages:
     Ch:  1   2   3   4   5   6   7   8   9  10  11  12
     R: 120 120 120 120 120 120 120 120 120 120 120 120
     Y:   0   0   0   0   0   0   0   0   0   0   0   0
     G:   0   0 120   0   0   0   0   0   0   0   0   0
     W:   0   0   0   0   0   0   0   0   0   0   0   0

               AC Line = 115 Vrms @ 60Hz
            Red Enable = Active (115 Vrms)
           Temperature = 73 F
```

MONITOR EXTERNAL RESET EVENT #16 at:
8:56:20 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #16 at:
8:56:19 AM Friday, May 17, 2013
Fault = Dual Indication Fault

```
   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
             *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   .   .   .   .   .
         .   G   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .

   Channel RMS Voltages:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
    R: 120 120 120 121 121 120 120 121 120 120 120 120
    Y:   0   0   0   0   0   0   0   0   0   0   0   0
    G:   0 119   0   0   0   0   0   0   0   0   0   0
    W:   0   0   0   0   0   0   0   0   0   0   0   0

              AC Line = 115 Vrms @ 60Hz
           Red Enable = Active (116 Vrms)
          Temperature = 73 F
```

MONITOR EXTERNAL RESET EVENT #17 at:
8:56:18 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #17 at:
8:56:16 AM Friday, May 17, 2013
Fault = Dual Indication Fault

```
   Channel Status:
    Ch:  1   2   3   4   5   6   7   8   9  10  11  12
         *
         R   R   R   R   R   R   R   R   R   R   R   R
         .   .   .   .   .   .   .   .   .   .   .   .
         G   .   .   .   .   .   .   .   .   .   .   .
         .   .   .   .   .   .   .   .   .   .   .   .
```

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	121	121	120	120	121	120	120	120	120
Y:	0	0	0	0	0	0	0	0	0	0	0	0
G:	119	0	0	0	0	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (116 Vrms)
Temperature = 74 F

MONITOR EXTERNAL RESET EVENT #18 at:
8:56:07 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #18 at:
8:56:06 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
												*
	R	R	R	R	R	R	R	R	R	R	R	.
	.	.	.	.	.	.	.	.	.	.	.	Y
	.	.	.	.	.	.	.	.	.	.	.	G
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	120	120	120	120	1
Y:	0	0	0	0	0	0	0	0	0	0	0	119
G:	0	0	0	0	0	0	0	0	0	0	0	120
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 73 F

MONITOR EXTERNAL RESET EVENT #19 at:
8:56:03 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #19 at:
8:56:02 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
											*	
	R	R	R	R	R	R	R	R	R	R	.	R
	.	.	.	.	.	.	.	.	.	.	Y	.
	.	.	.	.	.	.	.	.	.	.	G	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	120	120	120	0	120

Y:	0	0	0	0	0	0	0	0	0	0	119	0
G:	0	0	0	0	0	0	0	0	0	0	120	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 73 F

MONITOR EXTERNAL RESET EVENT #20 at:
8:55:59 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #20 at:
8:55:58 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10 *	11	12
	R	R	R	R	R	R	R	R	R	.	R	R
	.	.	.	.	.	.	.	.	.	Y	.	.
	.	.	.	.	.	.	.	.	.	G	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	120	120	0	120	120
Y:	0	0	0	0	0	0	0	0	0	119	0	0
G:	0	0	0	0	0	0	0	0	0	120	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (116 Vrms)
Temperature = 73 F

MONITOR EXTERNAL RESET EVENT #21 at:
8:55:55 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #21 at:
8:55:54 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9 *	10	11	12
	R	R	R	R	R	R	R	R	.	R	R	R
	.	.	.	.	.	.	.	.	Y	.	.	.
	.	.	.	.	.	.	.	.	G	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	120	2	120	120	120
Y:	0	0	0	0	0	0	0	0	120	0	0	0
G:	0	0	0	0	0	0	0	0	119	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 72 F

MONITOR EXTERNAL RESET EVENT #22 at:
8:55:51 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #22 at:
8:55:50 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
								*				
	R	R	R	R	R	R	R	.	R	R	R	R
	.	.	.	.	.	.	.	Y	.	.	.	.
	.	.	.	.	.	.	.	G	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	120	0	120	120	120	120
Y:	0	0	0	0	0	0	0	119	0	0	0	0
G:	0	0	0	0	0	0	0	119	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 114 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #23 at:
8:55:47 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #23 at:
8:55:46 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
							*					
	R	R	R	R	R	R	.	R	R	R	R	R
	.	.	.	.	.	.	Y	.	.	.	.	.
	.	.	.	.	.	.	G	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	120	0	120	120	120	120	120
Y:	0	0	0	0	0	0	119	0	0	0	0	0
G:	0	0	0	0	0	0	119	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (116 Vrms)

Temperature = 74 F

MONITOR EXTERNAL RESET EVENT #24 at:
8:55:43 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #24 at:
8:55:42 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5	6 *	7	8	9	10	11	12
	R	R	R	R	R	.	R	R	R	R	R	R
	.	.	.	.	.	Y	.	.	.	.	.	.
	.	.	.	.	.	G	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	120	0	120	120	120	120	120	120
Y:	0	0	0	0	0	119	0	0	0	0	0	0
G:	0	0	0	0	0	120	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (115 Vrms)
Temperature = 71 F

MONITOR EXTERNAL RESET EVENT #25 at:
8:55:39 AM Friday, May 17, 2013

PREVIOUS FAIL EVENT #25 at:
8:55:38 AM Friday, May 17, 2013
Fault = Dual Indication Fault

Channel Status:

Ch:	1	2	3	4	5 *	6	7	8	9	10	11	12
	R	R	R	R	.	R	R	R	R	R	R	R
	.	.	.	.	Y	.	.	.	.	.	.	.
	.	.	.	.	G	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.

Channel RMS Voltages:

Ch:	1	2	3	4	5	6	7	8	9	10	11	12
R:	120	120	120	120	0	120	120	120	120	120	120	120
Y:	0	0	0	0	119	0	0	0	0	0	0	0
G:	0	0	0	0	119	0	0	0	0	0	0	0
W:	0	0	0	0	0	0	0	0	0	0	0	0

AC Line = 115 Vrms @ 60Hz
Red Enable = Active (116 Vrms)
Temperature = 73 F

AC EVENT #9 at:
8:46:00 AM Friday, May 17, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #10 at:
8:45:56 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #11 at:
8:45:12 AM Friday, May 17, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #12 at:
8:45:07 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #13 at:
8:43:59 AM Friday, May 17, 2013
Restore AC
AC Line Voltage = 114 Vrms

AC EVENT #14 at:
8:43:56 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #15 at:
8:43:51 AM Friday, May 17, 2013
AC Power Up
AC Line Voltage = 114 Vrms

AC EVENT #16 at:
8:43:45 AM Friday, May 17, 2013
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #17 at:
8:43:43 AM Friday, May 17, 2013
Restore Interrupt AC
AC Line Voltage = 115 Vrms

```
AC EVENT #18 at:
   8:43:43 AM  Friday, May 17, 2013
     Power Down
     AC Line Voltage = 0 Vrms

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #3 at:
   8:43:06 AM  Friday, May 17, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      X  X  X  X  X  X  X  X  X  X  X  X

 *>           GY Enable Switch = ON
 *>     LEDguard Enable Switch = OFF
        Watchdog Enable Switch = OFF
           Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
              24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 7118

--------------------------------------------------------------------------------

AC EVENT #19 at:
   8:43:02 AM  Friday, May 17, 2013
     AC Power Up
     AC Line Voltage = 115 Vrms

--------------------------------------------------------------------------------

AC EVENT #20 at:
   8:35:56 AM  Friday, May 17, 2013
     Power Down
     AC Line Voltage = 0 Vrms

--------------------------------------------------------------------------------

AC EVENT #21 at:
   2:09:12 PM  Friday, April 12, 2013
     Restore AC
     AC Line Voltage = 113 Vrms

--------------------------------------------------------------------------------
```

AC EVENT #22 at:
2:09:11 PM Friday, April 12, 2013
Brownout AC
AC Line Voltage = 88 Vrms

AC EVENT #23 at:
4:18:14 PM Tuesday, October 30, 2012
AC Power Up
AC Line Voltage = 117 Vrms

AC EVENT #24 at:
8:52:16 PM Monday, October 29, 2012
Power Down
AC Line Voltage = 0 Vrms

AC EVENT #25 at:
4:55:06 PM Wednesday, July 18, 2012
Restore AC
AC Line Voltage = 108 Vrms

AC EVENT #26 at:
4:55:04 PM Wednesday, July 18, 2012
Brownout AC
AC Line Voltage = 82 Vrms

AC EVENT #27 at:
8:16:04 AM Monday, June 25, 2012
Restore AC
AC Line Voltage = 113 Vrms

AC EVENT #28 at:
8:16:04 AM Monday, June 25, 2012
Brownout AC
AC Line Voltage = 85 Vrms

AC EVENT #29 at:
2:08:45 PM Friday, June 22, 2012
Restore AC
AC Line Voltage = 109 Vrms

AC EVENT #30 at:
2:08:43 PM Friday, June 22, 2012
Brownout AC
AC Line Voltage = 85 Vrms

```
CONFIGURATION CHANGE #4 at:
   4:24:28 PM  Wednesday, May 30, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      .  X  .  .  .  .  .  .  .  .  .  .

             GY Enable Switch = OFF
       LEDguard Enable Switch = ON
       Watchdog Enable Switch = OFF
          Walk Disable Switch = OFF
      CVM Latch Enable Switch = OFF
      24V Latch Enable Switch = OFF
       CVM Log Disable Switch = OFF
           Minimum Flash Time = 4 seconds
              24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 65474

-------------------------------------------------------------------------------

CONFIGURATION CHANGE #5 at:
   4:24:23 PM  Wednesday, May 30, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
         .  X  .  X  .  .  .  .  .  .  .  .

 *>          GY Enable Switch = OFF
       LEDguard Enable Switch = ON
       Watchdog Enable Switch = OFF
          Walk Disable Switch = OFF
      CVM Latch Enable Switch = OFF
      24V Latch Enable Switch = OFF
       CVM Log Disable Switch = OFF
           Minimum Flash Time = 4 seconds
              24 Volt Inhibit = OFF
```

```
      Flashing Yellow Arrow Ch = None
     Configuration Check Value = 65324
```

```
CONFIGURATION CHANGE #6 at:
   4:22:50 PM  Wednesday, May 30, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
*>       .  X  .  X  .  .  .  .  .  .  .  .

             GY Enable Switch = ON
        LEDguard Enable Switch = ON
*>      Watchdog Enable Switch = OFF
           Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
*>             24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 16133
```

```
AC EVENT #31 at:
   4:22:46 PM  Wednesday, May 30, 2012
     AC Power Up
     AC Line Voltage = 111 Vrms
```

```
AC EVENT #32 at:
   4:20:27 PM  Wednesday, May 30, 2012
     Power Down
     AC Line Voltage = 0 Vrms
```

```
CONFIGURATION CHANGE #7 at:
   4:20:26 PM  Wednesday, May 30, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
```

```
     Ch 8  with: no channels
     Ch 9  with: no channels
     Ch 10 with: no channels
     Ch 11 with: no channels


    Signal Sequence Monitor Switches (X=Enable):
     Ch:  1  2  3  4  5  6  7  8  9 10 11 12
          X  X  X  X  X  X  X  X  X  X  X  X

              GY Enable Switch = ON
         LEDguard Enable Switch = ON
         Watchdog Enable Switch = ON
            Walk Disable Switch = OFF
        CVM Latch Enable Switch = OFF
        24V Latch Enable Switch = OFF
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 4 seconds
 *>             24 Volt Inhibit = ON
      Flashing Yellow Arrow Ch = None
     Configuration Check Value = 55953
```

```
AC EVENT #33 at:
   4:19:17 PM  Wednesday, May 30, 2012
     AC Power Up
     AC Line Voltage = 113 Vrms
```

```
AC EVENT #34 at:
   4:15:24 PM  Wednesday, May 30, 2012
     Power Down
     AC Line Voltage = 0 Vrms
```

```
AC EVENT #35 at:
   3:44:50 PM  Wednesday, May 30, 2012
     Restore AC
     AC Line Voltage = 111 Vrms
```

```
AC EVENT #36 at:
   3:44:46 PM  Wednesday, May 30, 2012
     Power Down
     AC Line Voltage = 0 Vrms
```

```
AC EVENT #37 at:
   3:44:07 PM  Wednesday, May 30, 2012
     Restore AC
     AC Line Voltage = 112 Vrms
```

```
AC EVENT #38 at:
   3:44:02 PM  Wednesday, May 30, 2012
     Power Down
     AC Line Voltage = 0 Vrms
```

AC EVENT #39 at:
3:42:55 PM Wednesday, May 30, 2012
Restore AC
AC Line Voltage = 112 Vrms

AC EVENT #40 at:
3:42:52 PM Wednesday, May 30, 2012
Power Down
AC Line Voltage = 0 Vrms

CONFIGURATION CHANGE #8 at:
3:29:41 PM Wednesday, May 30, 2012
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels
Ch 6 with: no channels
Ch 7 with: no channels
Ch 8 with: no channels
Ch 9 with: no channels
Ch 10 with: no channels
Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):

	Ch:	1	2	3	4	5	6	7	8	9	10	11	12
*>		X	X	X	X	X	X	X	X	X	X	X	X

GY Enable Switch = ON
LEDguard Enable Switch = ON
*> Watchdog Enable Switch = ON
*> Walk Disable Switch = OFF
CVM Latch Enable Switch = OFF
24V Latch Enable Switch = OFF
CVM Log Disable Switch = OFF
Minimum Flash Time = 4 seconds
24 Volt Inhibit = OFF
Flashing Yellow Arrow Ch = None
Configuration Check Value = 7120

CONFIGURATION CHANGE #9 at:
7:24:57 AM Tuesday, June 07, 2011
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels
Ch 6 with: no channels
Ch 7 with: no channels
Ch 8 with: no channels
Ch 9 with: no channels

```
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      .  X  .  X  .  .  .  .  .  .  .  .

 *>           GY Enable Switch = ON
 *>     LEDguard Enable Switch = ON
        Watchdog Enable Switch = OFF
 *>        Walk Disable Switch = ON
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
               24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 65281
```

```
CONFIGURATION CHANGE #10 at:
   9:24:17 AM  Wednesday, May 18, 2011
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
         .  .  .  .  .  .  .  .  .  .  .  .

           GY Enable Switch = OFF
     LEDguard Enable Switch = OFF
     Watchdog Enable Switch = OFF
        Walk Disable Switch = OFF
    CVM Latch Enable Switch = OFF
    24V Latch Enable Switch = OFF
     CVM Log Disable Switch = OFF
         Minimum Flash Time = 4 seconds
            24 Volt Inhibit = OFF
  Flashing Yellow Arrow Ch = None
 Configuration Check Value = 40941
```

CMU RESET TA304

>> Monitor Reset Event Log
>> Monitor ID #304 TERM A PED-XING 2
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 1:35:41 PM Monday, May 05, 2014
>> Number of events = 25

MONITOR NON-LATCHED FAULT RESET EVENT #1 at:
6:22:37 PM Saturday, July 20, 2013

MONITOR NON-LATCHED FAULT RESET EVENT #2 at:
8:55:56 AM Saturday, June 22, 2013

MONITOR NON-LATCHED FAULT RESET EVENT #3 at:
12:00:41 PM Friday, May 31, 2013

MONITOR NON-LATCHED FAULT RESET EVENT #4 at:
9:01:17 AM Friday, May 17, 2013

MONITOR MANUAL RESET EVENT #5 at:
8:56:51 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #6 at:
8:56:41 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #7 at:
8:56:39 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #8 at:
8:56:36 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #9 at:
8:56:34 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #10 at:
8:56:32 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #11 at:
8:56:30 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #12 at:
8:56:28 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #13 at:
8:56:26 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #14 at:
8:56:24 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #15 at:
8:56:22 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #16 at:
8:56:20 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #17 at:
8:56:18 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #18 at:
8:56:07 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #19 at:
8:56:03 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #20 at:
8:55:59 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #21 at:
8:55:55 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #22 at:
8:55:51 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #23 at:
8:55:47 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #24 at:

CMU RESET TA304
8:55:43 AM Friday, May 17, 2013

MONITOR EXTERNAL RESET EVENT #25 at:
8:55:39 AM Friday, May 17, 2013

```
>> Configuration Log
>> Monitor ID #304  TERM A PED-XING 2
>> EDI Model SSM-12LEC, Firmware Type 01, Firmware V6.6, Comm V3.7
>> RMS-Engine Firmware Type 00, RMS-Engine Firmware V0.0
>> ECcom Version 3.8.4
>> Downloaded at 1:35:41 PM  Monday, May 05, 2014
>> Number of events = 10
>> (A '*>' symbol indicates that parameter has changed)

--------------------------------------------------------------------------

CONFIGURATION CHANGE #1 at:
   9:01:14 AM  Friday, May 17, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      .  X  .  .  .  .  .  .  .  .  .  .

 *>           GY Enable Switch = OFF
 *>     LEDguard Enable Switch = ON
        Watchdog Enable Switch = OFF
           Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
 *>            24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 65474

--------------------------------------------------------------------------

CONFIGURATION CHANGE #2 at:
   8:57:08 AM  Friday, May 17, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
```

CONFIG-TA304

```
          X  X  X  X  X  X  X  X  X  X  X  X

               GY Enable Switch = ON
         LEDguard Enable Switch = OFF
         Watchdog Enable Switch = OFF
            Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
 *>              24 Volt Inhibit = ON
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 55951
```

```
CONFIGURATION CHANGE #3 at:
   8:43:06 AM  Friday, May 17, 2013
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      X  X  X  X  X  X  X  X  X  X  X  X

 *>           GY Enable Switch = ON
 *>     LEDguard Enable Switch = OFF
        Watchdog Enable Switch = OFF
           Walk Disable Switch = OFF
      CVM Latch Enable Switch = OFF
      24V Latch Enable Switch = OFF
       CVM Log Disable Switch = OFF
           Minimum Flash Time = 4 seconds
             24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 7118
```

```
CONFIGURATION CHANGE #4 at:
   4:24:28 PM  Wednesday, May 30, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
```

Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):
ch: 1 2 3 4 5 6 7 8 9 10 11 12
*> . X . . . .

GY Enable Switch = OFF
LEDguard Enable Switch = ON
Watchdog Enable Switch = OFF
Walk Disable Switch = OFF
CVM Latch Enable Switch = OFF
24V Latch Enable Switch = OFF
CVM Log Disable Switch = OFF
Minimum Flash Time = 4 seconds
24 Volt Inhibit = OFF
Flashing Yellow Arrow Ch = None
Configuration Check Value = 65474

CONFIGURATION CHANGE #5 at:
4:24:23 PM Wednesday, May 30, 2012
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels
Ch 6 with: no channels
Ch 7 with: no channels
Ch 8 with: no channels
Ch 9 with: no channels
Ch 10 with: no channels
Ch 11 with: no channels

Signal Sequence Monitor Switches (X=Enable):
ch: 1 2 3 4 5 6 7 8 9 10 11 12
. X . X . . . .

*> GY Enable Switch = OFF
LEDguard Enable Switch = ON
Watchdog Enable Switch = OFF
Walk Disable Switch = OFF
CVM Latch Enable Switch = OFF
24V Latch Enable Switch = OFF
CVM Log Disable Switch = OFF
Minimum Flash Time = 4 seconds
24 Volt Inhibit = OFF
Flashing Yellow Arrow Ch = None
Configuration Check Value = 65324

CONFIGURATION CHANGE #6 at:
4:22:50 PM Wednesday, May 30, 2012
Permissive Programming:
Ch 1 with: no channels
Ch 2 with: no channels
Ch 3 with: no channels
Ch 4 with: no channels
Ch 5 with: no channels

```
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>      .  X  .  X  .  .  .  .  .  .  .  .

             GY Enable Switch = ON
        LEDguard Enable Switch = ON
 *>     Watchdog Enable Switch = OFF
          Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
 *>            24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 16133
```

```
CONFIGURATION CHANGE #7 at:
   4:20:26 PM  Wednesday, May 30, 2012
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
         X  X  X  X  X  X  X  X  X  X  X  X

            GY Enable Switch = ON
       LEDguard Enable Switch = ON
       Watchdog Enable Switch = ON
          Walk Disable Switch = OFF
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
 *>            24 Volt Inhibit = ON
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 55953
```

```
CONFIGURATION CHANGE #8 at:
   3:29:41 PM  Wednesday, May 30, 2012
   Permissive Programming:
```

```
     Ch 1  with: no channels
     Ch 2  with: no channels
     Ch 3  with: no channels
     Ch 4  with: no channels
     Ch 5  with: no channels
     Ch 6  with: no channels
     Ch 7  with: no channels
     Ch 8  with: no channels
     Ch 9  with: no channels
     Ch 10 with: no channels
     Ch 11 with: no channels


    Signal Sequence Monitor Switches (X=Enable):
      Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>       X  X  X  X  X  X  X  X  X  X  X  X

               GY Enable Switch = ON
         LEDguard Enable Switch = ON
 *>      Watchdog Enable Switch = ON
 *>         Walk Disable Switch = OFF
        CVM Latch Enable Switch = OFF
        24V Latch Enable Switch = OFF
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 4 seconds
                24 Volt Inhibit = OFF
      Flashing Yellow Arrow Ch = None
     Configuration Check Value = 7120

--------------------------------------------------------------------------------

CONFIGURATION CHANGE #9 at:
   7:24:57 AM  Tuesday, June 07, 2011
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
     Ch:  1  2  3  4  5  6  7  8  9 10 11 12
 *>       .  X  .  X  .  .  .  .  .  .  .  .

 *>            GY Enable Switch = ON
 *>      LEDguard Enable Switch = ON
        Watchdog Enable Switch = OFF
 *>         Walk Disable Switch = ON
       CVM Latch Enable Switch = OFF
       24V Latch Enable Switch = OFF
        CVM Log Disable Switch = OFF
            Minimum Flash Time = 4 seconds
               24 Volt Inhibit = OFF
     Flashing Yellow Arrow Ch = None
    Configuration Check Value = 65281
```

```
CONFIGURATION CHANGE #10 at:
   9:24:17 AM  Wednesday, May 18, 2011
   Permissive Programming:
    Ch 1  with: no channels
    Ch 2  with: no channels
    Ch 3  with: no channels
    Ch 4  with: no channels
    Ch 5  with: no channels
    Ch 6  with: no channels
    Ch 7  with: no channels
    Ch 8  with: no channels
    Ch 9  with: no channels
    Ch 10 with: no channels
    Ch 11 with: no channels


   Signal Sequence Monitor Switches (X=Enable):
    Ch:  1  2  3  4  5  6  7  8  9 10 11 12
         .  .  .  .  .  .  .  .  .  .  .  .

              GY Enable Switch = OFF
         LEDguard Enable Switch = OFF
         Watchdog Enable Switch = OFF
            Walk Disable Switch = OFF
        CVM Latch Enable Switch = OFF
        24V Latch Enable Switch = OFF
         CVM Log Disable Switch = OFF
             Minimum Flash Time = 4 seconds
                24 Volt Inhibit = OFF
      Flashing Yellow Arrow Ch = None
     Configuration Check Value = 40941
```