Incident Investigation Report Supporting Documents

SED Incident E20240430-02 OWENS FIRE (Owens Fire)

Incident Number: 22CAMEU0005469 **Exposure:** 0 **Incident Date:** 05/20/2022

Investigation Report - With ALL Attachments

Incident Information

DPA Authority at Origin: State
Region: Northern
Incident Type: 141-Forest, woods or wildland fire (timber)
Incident Name: OWENS
Action Taken: 80-Information, investigation & enforcement, other
Aid Given/Received: 2-Automatic aid received
Battalion: 1115

Casualties

Civilian Deaths: 0
Civilian Injuries: 0
Fire Service Deaths: 0
Fire Service Injuries: 0

Dates and Times

Alarm: 05/20/2022 15:11:17
Arrival: 05/20/2022 15:29:16
Controlled: 05/22/2022 16:21:00
Cleared: 05/22/2022 19:51:27

Location

Latitude: 38 52.416
Longitude: -123 39.452
Latitude: 38 52.416
Longitude: -123 39.452
County: Mendocino
Unit: MEU
FDID: 23555
Address: [redacted]
Cross Street: [redacted]
City: POINT_ARENA
State: CA
Zip Code: 95468

Details

Property Use: 931-Open land or field
Mixed Use Property: NN-Not mixed use
Hazardous Materials Release: None

Apparatus and Personnel

Suppression Apparatus: 58
Suppression Personnel: 175
EMS Apparatus: 0
EMS Personnel: 0
Other Apparatus: 0
Other Personnel: 0

Incident Number: 22CAMEU0005469 **Exposure:** 0 **Incident Date:** 05/20/2022

Officer in Charge

Name: DEURLOO, NATHAN F.

Position or Rank: BATTALION CHIEF (2G - NONSUPERVISORY)

Member Making Report

Name: LINDERMAN, TOBY **Date:** 06/12/2022

Position or Rank: Fire Captain

Statements and information included in this report are based on the best available information at the time of the report. I reserve the right to update and/or modify this report at any time, based on new or additional information becoming available.

Wildland Fire

Area Type: 4-Urban-wildland interface area

Fuel Model at Origin: 08-H: Short needle conifers; normal down woody materials

Wildland Fire Cause: 0E-Power Generation/Transmission/Distribution

Heat Source: 42-Molten, hot material

Material First Ignited: Leaf litter and needle fall from overhead trees and brush.

Suppression Actions Prior to FD: No

Electrical Power Subcategory 1: Lines Down

Type of Right-of-Way: 983-Pipeline, power line or other utility

Horizontal Distance from Right-of-Way: 0

Factors Contributing to Ignition: 61-High wind

Human Factors Contributing to Ignition: None

Fire Suppression Factors: None

Investigation

Possible: None

Possible - Explanation: I did not determine any other competent ignition source in the General Origin Area of the Owens Fire.

Probable: Electrical Power

Probable - Explanation: I believe the probable cause of the Owens fire to be Electrical power / Powerlines. Based on the fire pattern indicators, weather, statements, and presentation of down trees, I believe tree 1 was blown down by the wind and contacted the conductors between power pole 1 and power pole 2. These conductors contacted the vegetation and or ground in one or multiple areas causing a fire to start

Investigation Attachments Included in Report?: Yes

Incident Number: 22CAMEU0005469 **Exposure:** 0 **Incident Date:** 05/20/2022

Were there persons or property involved? (Victim, Witness, Subject): Yes

Disposition: Fire not caused by human activity

Narrative

Additional Narratives	Authored By	Authored Date
On Friday, May 20, 2022, at approximately 3:11 PM, a vegetation fire was dispatched by the CAL FIRE Howard Forest Emergency Command Center (ECC), at PII and PII PII Based on the rapid increase in fire size, I responded in my department law enforcement uniform and vehicle. When I was approaching the fire, I observed a large white column of smoke, sheared off at the top being pushed to the south by the wind. I arrived at scene at approximately 5:58 PM, I turned onto Bill Owens road and drove approximately 600 feet to meet with the first arriving company officer, Yadir PAYAN. PAYAN was the reporting party and the initial Incident commander (IC). His engine was parked on a small dirt road on the south side of Bill Owens Road, across from the residence at [redacted]. When I exited my vehicle, I noticed a strong and gusty North wind influencing the fires behavior and direction. The fire was burning on mostly flat terrain and the fuels consisted of cypress tree litter and medium brush. I began my investigation by getting a statement from PAYAN. I determined the heel and general origin area (GOA) of the fire based on the macro fire pattern indicators and wind direction. PAYAN told me the following in summary, he noticed the smoke while traveling South on Highway 1. He drove down Bill Owens Road to investigate, a local resident pointed to where the fire was. The fire was initially .75 acres before the column began to build and the fire was influenced by the winds. When his engine company was doing a hose lay to the fire, they contacted a PG&E representative PII who told them the powerlines that were down in the fire area were de-energized. (See attached narrative from PAYAN). I walked with PAYAN to the GOA of the fire. PAYAN pointed out the power pole (power pole 1) and conductors that were down on the ground and draped over the vegetation. The GOA was still hot and actively burning. We walked the outside edge of the GOA in a clockwise direction and then in a counterclockwise direction. I observed macro fire pattern indicators such as protection, sooting, foliage freeze, angle of char, and cupping indicating the GOA to be between two power poles (power pole 1 and power pole 2). The only location where conductors came down and contacted the ground and or vegetation was between these two poles. The distance between power pole 1 and 2 was approximately 175 feet. I contacted the IC and ensured all resources on the fire were to stay out of the GOA between the two power poles. PAYAN told me he contacted PII face to face while coming out from the fire back to Bill Owens Road. PII told PAYAN he cut the conductor that was hanging from power pole 1 after confirming with his dispatch the lines were deenergized. I returned to Bill OWENS road where I contacted PG&E representative PII PII told me the following in summary, he received a call from his dispatch for a line recloser power outage before approximately 3:00 PM, arriving at approximately 3:15 PM. He confirmed the recloser was open and made the lines safe. (see attached witness statement). PII told me he got to the fire after PAYAN's engine was already at scene. I led PII to the GOA and asked him to show me where he cut the conductor hanging from power pole 1. He said he cuts the conductor hanging from the power pole to make the firefighters feel better about the lines being de energized. He pointed to the South, toward power pole 2 and said the fire was over there when I came to cut the lines. He said it was less than 100 by 100 feet, but the wind was blowing hard. PII showed me where he walked after cutting the hanging conductor and pointed to some trees that fell. He said he thinks those trees may have fell onto the powerlines, bringing them to the ground and starting the fire. I led PII back out to the road and asked him to write a witness statement.	TOBY LINDERMAN	06/12/2022

On Bill Owens Road at [redacted], I contacted PII This residence is across Bill Owens Road approximately 300 feet from the heel of the fire to the North West. PII told me the following in summary, he was using his computer when his power went out. His friend knocked on his door to tell him there was smoke near his property. He called 911, went to investigate and saw a large brush fire burning on the neighbor's property. (see attached witness statement). PII walked with me to where he said he went to investigate. PII and I were standing next to an approximate 12 by 12 feet shed that was on the dirt road PAYAN had his engine parked on. PII pointed to the multiple large trees that fell and said those trees were not down three months ago, they must have fallen because of the wind. The power to the shed came from underground from the power pole (power pole) on Bill Owens Road. I led PII back to Bill Owens Road and asked him to write me a witness statement.

I returned to the GOA to determine fire pattern indicators and to take photographs. I walked around the GOA. I followed fire pattern indicators toward the multiple trees PII, and I observed from the shed. There were approximately six trees that had come down with large root balls and dirt attached to the base of them. These trees all fell within an approximate 100-foot radius of each other. These trees height ranged from approximately 30 to 80 feet. The down conductors between power pole 1 and 2 were underneath the top eight to 15 feet of a tree that was up rooted and fell (tree 1). Tree 1 was approximately 30 to 50 feet from the power line span. The other five trees fell in various distances farther from the power line span than tree 1. Between power pole 1 and power pole 2 I found multiple sections of the down conductors that were cut and or broken and separated. I found sections of the conductor that were coated with a "tree wire" coating/insulation. PII told me they use this "tree wire" coating to insulate some of the conductors so they will not arc if they contact vegetation or something else. I followed micro fire pattern indicators including sooting, protection, and grass stem that led me to an approximately five feet by five feet Specific Origin Area (SOA 1). Following micro fire pattern indicators, I located an ignition area where a section of "tree wire" conductor was laying over a stick approximately 1 inch in diameter. The coating on the conductor was melted off and the stick was charred moving outward from the conductors contact point (See Photographs P-TL-06 and P-TL-07). I continued to follow micro fire pattern indicators including sooting, protection, white ash, cupping, and grass stem that led me toward the top of tree 1. this SOA (SOA 2) was approximately 15 feet by 15 feet. I was unable to follow fire pattern indicators to a smaller area due to the top of tree 1 covering the area and disturbance from suppression efforts. Based on the fire pattern indicators and the multiple sections of cut and or broken conductors. I believe there was more than one ignition area due the energized conductor contacting vegetation and or the ground in multiple areas.

Weather received from weather stations near the area of the fire:
Arena Cove / ANVC1 Weather Station (Approximately 3.84 miles to the North West of the fire.)
Date / Time: May 20, 2022, 3:00 PM
Temp: 55°
Wind Direction: West North West
Wind Speed: 9 MPH gusts to 18 MPH

Ten Mile Cutoff Road / PG530 Weather Station (Approximately 3.64 miles to the East of the fire.)
Date / Time: May 20, 2022, 3:00 PM
Temp: 60°
Wind Direction: North North West
Wind Speed: 8 MPH gusts to 25 MPH

Based on my training, experience, statements, and the facts I collected I believe the probable cause of the Owens fire to be Miscellaneous – Powerlines. Based on the fire pattern indicators, weather, statements, and presentation of down trees, I believe tree 1 was blown down by the wind and contacted the energized conductors between power pole 1 and power pole 2. These conductors contacted the vegetation and or ground in multiple areas causing a fire to start. The fire was then influenced by the fuels and weather to rapidly spread. I did not determine any other competent ignition source in the GOA of the Owens Fire. The Owens fire burned

approximately 36.2 acres.

Acres Burned

State Responsibility Area: 36.2
Local Responsibility Area: 0
Federal Responsibility Area: 0
Total Acres Burned: 36.2

Structures

Structures Damaged: 0 **Structures Destroyed:** 0

Mobile Property/Equipment Involved in Wildland Ignition

Mobile Property: None
Equipment: 211-Electrical power (utility) line

Weather

Weather Observer: Nock Barba
Weather Observation Device: Digital
Weather Observation Date/Time: 05/20/2022 20:30:00
Weather Type: 10-Clear, less than 1/10 cloud cover
Relative Humidity (%): 68
Red Flag: No
Fire Weather Watch: No
Wind Direction: 8-Northwest
Wind Speed (mph): 4
Air Temperature (F): 57
Fire Danger Rating: Undetermined

Attachments

File Name: FC34 OWENS FIRE

Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

Incident Location — Incident Status: CLS

Location:	=L(38.873600,-123.657533) ,POINT_ARENA			Apartment:	
Lo Cross:			Hi Cross:		
City:	POINT AREN	County: MENDOCINO		Map Page:	497
Loc Com:	[redacted] / [redacted] POINT_ARENA				
Latitude:	38.873600	Agency:	CAPTA	Dispatch Zone:	1
Longitude:	-123.657533	Jurisdiction:	CAPTA	Battalion:	1115
Legal:	29_T12N_R16W_M	DPA Agency:	CAPTA	Resp. Area:	G18
UTM:	10 442962 4302955			Atom:	G18
Legal	29_T12N_R16W_M		MapbookGridA	497	
MapbookGridB	0		0		

Reporting Party Information

Caller Name:	E1155 - PAYAN	Caller Phone:	
Caller Loc:		Call Source:	RAD

Incident Type/Response Information

Final Incident Type:	FIRE, WILDLAND		Initial Incident Type:	FIRE, WILDLAND	
Dispatch Level:	N	Response Plan: SPA3		Response Level:	1

Incident Date/Time Summary

		Personnel ID	CAD Workstation
Incident Call Rec.:			
Incident Keystroke:			
Incident Entry:	05/20/2022 15:11:17	BILLM	MEUCAD02
Incident Dispatch:	05/20/2022 15:11:17	BILLM	MEUCAD02
Incident Closed:	05/27/2022 17:05:11		

Fire Information

Status:	CTRL	Contained: 05/20/2022 20:43:00	Controlled: 05/22/2022 16:21:00
Fire Report Person:	LINDERMAN, LEVI		Total Acres Burned : 36.2
Investigation Report Person:			

Time Summary:

DSP 15:11:17	ENR 15:11:17	WAI 15:11:17	ONS 15:29:16	AAC 19:51:27	DSP 7:57:27	ENR 7:57:27
ONS 10:27:45	AAC 16:48:06	DSP 18:02:29	ONS 18:02:29	AAC 19:06:51	DSP 15:12:44	ENR 15:12:44
AAC 15:12:59	DSP 15:13:06	ENR 15:13:06	ONS 15:25:44	AAC 15:55:53	DSP 19:54:59	ONS 19:54:59
AAC 22:17:05	DSP 15:20:20	ONS 15:20:20	AAC 16:41:15	DSP 13:46:03	ONS 13:46:03	AAC 15:16:37
CLS 17:05:11						

Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

Unit Status Details

AA110

DSP	ENR	ONS	RTQ	AIQ
15:47:07	15:47:07	16:01:09	17:43:55	17:58:06

AAUKI01

DSP	ENR	AIQ
15:22:22	15:47:26	15:47:54

ADMIN

DSP	AIQ
15:16:22	15:16:23

ALR

DSP	AIQ
17:12:10	17:14:42

ATUKI01

DSP	ENR	AIQ
15:22:22	15:47:30	16:03:50

ATUKI02

DSP	ENR	AIQ
15:22:22	15:47:30	16:53:30

B1116

DSP	ENR	ONS	RTQ	ONS	AIQ
15:16:22	15:18:37	16:13:46	0:02:22	7:05:36	16:20:05

B7503

DSP	ENR	ONS	RTQ	AIQ
15:34:55	15:34:55	15:41:53	20:00:00	21:00:00

C7300

DSP	ONS	AIQ
15:31:09	15:31:09	22:57:02

CCR1

DSP	DSP	ENR	ENR	ONS	ONS	STG
5:49:14	15:51:59	5:49:14	15:57:28	17:28:05	8:00:00	15:58:19

RTQ	AIQ	AIQ
15:43:51	16:22:16	18:07:39

CCR4

DSP	ENR	ONS	RTQ	AIQ
8:46:57	8:46:57	10:27:45	14:35:15	16:35:44

CCR6

DSP	DSP	ACK	ENR	ENR	ONS	ONS
15:51:59	5:49:14	16:01:09	5:49:14	16:04:25	8:00:00	17:28:05

RTQ	STG	AIQ	AIQ
15:43:51	15:58:19	18:07:39	16:22:16

CNA11B

DSP	ENR	ONS	RTQ	STG	AIQ
15:40:06	15:43:50	17:15:36	5:41:06	7:05:23	16:31:26

CPT7312

DSP	ENR	AIQ
15:12:44	15:12:44	15:12:59

Interagency Report of Incident and Dispatch Action

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Detail Report-Segment Summary

CPT7319

DSP	ENR	ONS	RTQ	AIQ
15:33:04	15:33:04	15:33:10	20:00:00	20:30:00

E1153

DSP	DSP	ENR	ENR	ONS	ONS	RTQ
15:51:59	5:51:26	15:57:14	5:51:26	8:00:00	16:39:49	16:19:17
STG	AIQ	AIQ				
9:39:39	18:06:48	16:58:40				

E1154

DSP	ENR	ONS	RTQ	AIQ
15:51:59	15:58:33	18:09:32	20:49:16	23:05:30

E1155

DSP	DSP	DSP	DSP	DSP	DSP	ONS
15:11:17	7:33:40	15:20:20	19:54:59	13:46:03	18:02:29	18:02:29
ENR	ENR	ONS	ONS	ONS	ONS	AOS
7:33:40	15:11:17	13:46:03	15:20:20	19:54:59	15:29:16	13:46:08
AOS	AOS	ONS	AOS	STG	RTQ	AIQ
19:55:04	15:20:23	8:00:00	18:02:33	9:22:39	16:20:02	19:06:51
AIQ	AIQ	AIQ	AIQ	AIQ		
22:17:05	16:41:15	15:16:37	16:30:15	18:07:43		

E1156

DSP	DSP	ENR	ENR	ONS	ONS	RTQ
15:14:32	6:51:48	15:19:10	6:51:48	7:41:35	16:09:51	16:20:02
STG	AIQ	AIQ				
8:01:28	14:27:31	16:56:17				

E1166

DSP	ENR	ONS	STG	AIQ
15:22:22	15:28:56	16:27:11	8:07:55	14:29:23

E1172

DSP	ENR	ONS	ENR	IAO	STG	IAO
15:51:59	15:56:37	17:52:13	20:46:14	21:19:01	21:19:03	21:19:04
ENR	STG	ENR	STG	RTQ	AIQ	
21:19:11	21:19:13	21:19:15	21:19:31	21:24:32	23:46:14	

E1175

DSP	ENR	ONS	STG	AIQ
15:22:22	15:29:19	16:34:34	8:41:06	14:27:31

E1183

DSP	ENR	ONS	RTQ	AIQ
6:00:16	6:00:16	7:51:35	16:20:02	18:18:53

E1184

DSP	DSP	ENR	ENR	ONS	ONS	RTQ
7:57:27	5:34:15	5:34:15	7:57:27	10:34:47	8:00:00	14:39:08
RTQ	AIQ	AIQ				
15:38:06	16:48:06	18:18:35				

E1271

DSP	ENR	ONS	AOR
6:59:34	6:59:34	8:29:18	19:06:07

E1272

Interagency Report of Incident and Dispatch Action

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Event Number: 22006723

Detail Report-Segment Summary

DSP	ENR	ONS	RTQ	AIQ
5:01:00	5:01:00	8:29:18	18:14:40	19:51:27

E1273

DSP	ENR	ONS	AIQ
6:59:34	6:59:34	8:29:18	19:51:27

E1274

DSP	ENR	ONS	AIQ
5:03:00	5:03:00	8:29:18	19:51:27

E1275

DSP	ENR	ONS	AIQ
5:33:00	5:33:00	8:29:18	19:51:27

E4485

DSP	REQ	ASN	ENR	ONS	RTQ	AIQ
15:22:22	15:22:22	15:23:33	15:37:55	17:08:43	20:25:20	20:50:56

E7360

DSP	ENR	ONS	RTQ	AIQ
15:37:56	15:37:56	15:45:00	7:45:51	8:28:32

E7381

DSP	DSP	ENR	ENR	ONS	ONS	AIQ
15:46:05	15:13:06	15:13:06	15:46:05	15:25:44	16:52:16	15:55:53

RTQ	AIQ
7:32:38	8:28:32

E7573

DSP	ONS	RTQ	AIQ
15:39:34	15:39:34	7:42:36	8:28:32

E8481

DSP	ONS	RTQ	AIQ
18:11:36	18:11:36	21:08:23	22:31:56

EKV

DSP	AIQ
17:12:10	17:27:37

HEL104

DSP	REQ	ASN	ASN	ENR	ONS	AIQ
15:33:14	15:33:14	15:33:21	15:39:20	15:47:54	16:02:16	19:11:35

HEL910

DSP	ONS	RTQ	AIQ
15:14:32	15:29:16	20:01:54	20:19:23

HRK3

DSP	ENR	ONS	AIQ
5:00:00	5:00:00	8:29:18	8:02:21

HRK4

DSP	ENR	ONS	AIQ
5:00:00	5:00:00	8:29:18	8:02:21

MND

DSP	AIQ
17:12:10	17:18:26

OESPGR

Interagency Report of Incident and Dispatch Action

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Detail Report-Segment Summary

DSP	AIQ
15:16:22	15:16:23

P1121

DSP	ONS	RTQ	AIQ
17:58:53	17:58:53	22:38:50	6:58:59

PFK1

DSP	ENR	ONS	RTQ	STG	ENR	ONS
15:40:06	15:43:26	17:15:50	5:35:13	7:03:17	6:31:34	7:51:01

ONS	RTQ	AIQ
8:07:18	15:50:48	17:06:54

PTA

DSP	AIQ
15:14:32	15:32:18

SCF

DSP	AIQ
15:16:22	15:32:18

T91

DSP	ENR	RTQ	AIQ
16:03:15	16:03:15	17:32:54	17:58:06

TD1142

DSP	ENR	ONS	RTQ	AIQ
15:22:22	15:29:45	18:25:24	19:59:57	22:36:34

TD1143

DSP	ENR	ONS	RTQ	AIQ
15:22:22	15:29:45	17:16:33	20:55:57	23:16:16

TD7543

DSP	ENR	ONS	RTQ	AIQ
15:34:54	15:34:54	15:41:53	20:00:00	21:00:00

TRN1137

DSP	DSP	DSP	ENR	ENR	ENR	AIQ
16:50:00	16:04:49	16:06:00	16:04:49	16:50:00	16:06:00	16:55:57

ONS	AIQ	AIQ
17:38:24	16:57:04	19:44:53

U1156

DSP	ENR	ONS	RTQ	AIQ
15:30:39	15:30:39	16:17:39	21:28:44	22:36:34

WT6892

DSP	ENR	ONS	STG	RTQ	AIQ
5:17:00	5:17:00	7:17:00	18:08:10	18:09:05	19:19:31

WT7190

DSP	ENR	ONS	RTQ	AIQ
17:27:29	17:27:29	17:57:25	19:30:00	20:30:00

WT7391

DSP	ENR	ONS	RTQ	AIQ
15:45:06	15:45:06	16:53:40	13:08:12	13:08:17

WT7590



Interagency Report of Incident and Dispatch Action

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DSP	ENR	ONS	STG	AIQ
15:36:18	15:36:18	16:53:40	20:53:37	12:14:57

WT7593

DSP	ENR	ONS	STG	RTQ	AIQ
15:27:31	15:27:31	15:32:08	20:53:37	13:21:32	13:21:43

WT8191

DSP	ENR	ONS	RTQ	AIQ
17:14:15	17:14:15	18:13:01	20:46:34	22:20:57

WT8491

DSP	ENR	AIQ
17:18:10	17:18:10	18:11:44

CAL FIRE
Interagency Report of Incident and Dispatch Action

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Detail Report-Segment Summary

Incident Remarks:

05/20/2022	15:11:17	VEG FIRE	BILLM
05/20/2022	15:18:55	1/4 ACRES, POTENTIAL FOR 20-50 ACRES PER E1155	SIMML
05/20/2022	15:23:53	OWENS IC - REQ FIXED WING, 2 COPTERS, 4 ADD CF ENGINES, LOCAL GOVT, "DOZERS"	SIMML
05/20/2022	15:25:38	SEVERAL SPOT FIRES - ANOTHER RP	SIMML
05/20/2022	15:27:11	CPT7319 - FIRE MADE IT TO THE HWY, MOVING PRETTY GOOD	SIMML
05/20/2022	15:33:51	PER OWENS IC- PLD- THEY HAVE BEEN DEENERGIZED AND CONFIRMED BY PGE	BILLM
05/20/2022	15:34:21	CHP STARTING OFFICERS SINCE IT'S BUMPED THE HWY - ALSO CALTRANS FOR TRAFFIC CONTROL	SIMML
05/20/2022	15:43:24	PER C910- 12 ACRES TIMBER, DANGEROUS ROS, MULTIPLE STRUCTURES THREATENED	BILLM
05/20/2022	15:43:39	PAGE R/ADMIN, UPDATE ON OWENS FROM C910: MULTIPLE STRUCTURE THREAT, 12 ACRES, DANGEROUS ROS	SIMML
05/20/2022	15:52:20	PAGE R/ADMIN, OWENS IC ORDERING 3 MORE STATE ENGINES (TOTAL 7) AND 2 MORE CREWS (TOTAL 4)	SIMML
05/20/2022	15:58:45	B1108 - 16:30 WILL ONE PIT OPEN	SIMML
05/20/2022	16:02:54	AA110- ASSUMING OWENS AA, REQ ADD 2 AT3 1AT1	BILLM
05/20/2022	16:13:38	PER B1116- ASSUMING OWENS IC, RESOURCES GOOD FOR NOW	BILLM
05/20/2022	16:27:25	PER AA-CX AT1	BILLM
05/20/2022	16:36:01	WILLIAM @ NOPS - T02 CANCELLED FROM MCC, BUT WILL STILL HAVE TO JETTISON, AA SAYS HE WILL USE THEM	SIMML
05/20/2022	16:41:53	PER IC- EVAC ORDER SCHOONER GULCH TO HWY 1	BILLM
05/20/2022	17:03:11	RELEASING T91 EMPTY 25 MIN TO MCC, T79 LOADED ETE 60MIN	BILLM
05/20/2022	17:09:16	PER IC- START 3 ADD WT	BILLM
05/20/2022	17:22:58	PER AA- RELEASING T100 35 MIN ETE, T94 30MIN TO MCC	BILLM
05/20/2022	17:36:56	PER AA- 30 ACRES	BILLM
05/20/2022	18:07:11	ICP AT PA CDF	BILLM
05/20/2022	20:01:37	C910- RELEASED ETA BACK TO UKI 2015	BILLM
05/20/2022	20:43:26	PER IC- RELEASE EVAC ORDER FOR SCHOONER GULCH, HWY 1 WILL BE 1LANE OPEN CHP/CALTRANS NOTIFIED, 35 AC FORWARD PROGRESS STOPPED	BILLM
05/20/2022	21:50:45	IC - REQ # CUSTOMERS OUT OF POWER - PGE DISPATCH SAID 38 CUSTOMERS	SIMML
05/20/2022	22:47:50	=L 38 52.416, 123 39.452	SIMML
05/21/2022	17:23:03	9273G OFF FIRELINE ENROUTE PARLIN	SIMML
05/21/2022	17:40:21	9124G @ CCR FOR NIGHT, 9120C @ UKIAH FOR NIGHT	SIMML
05/21/2022	19:23:04	IC - HWY 1 OPEN BOTH LANES, PGE HAS RESTORED POWER TO ALL CUSTOMERS	SIMML
05/22/2022	6:00:05	ST9120C ENROUTE FIRE	SIMML
05/22/2022	7:49:43	ST9240C RELEASE OFF OWENS ENROUTE UKIAH	KRAMD
05/22/2022	12:06:34	IC- WT7590 RLS FROM INCIDENT	KRAMD
05/22/2022	13:07:59	IC- WT7391 RELEASED	KRAMD
05/22/2022	13:28:30	WT7593 RELEASED	KRAMD
05/22/2022	15:07:16	ST9120C RLS FROM OWENS INCIDENT, ENROUTE TO UKIAH FOR FEEDING	KRAMD
05/22/2022	15:50:18	PFK1 RLS, ETA TO CAMP 1710	KRAMD
05/22/2022	16:21:07	PER IC, 100% CONTAINED, ALL ENGINES RELEASED TO RESPECTIVE STATIONS, 1 ENGINE AND 1 CREW TO RETURN TOMORROW TO PATROL	ROYAJ
05/23/2022	14:39:38	E1184 - A FEW SMOKES FOUND, ONE ENGINE TO CHECK TOMORROW	SIMML
05/24/2022	19:20:24	E1155 clear, 0 smokes found, will be out to check tomorrow	CROSK
05/25/2022	15:29:49	E7381- CHECKING FIRE AFTER PHONE IN REPORT, STUMP SMOKING FOUND	FRYAL
05/26/2022	16:41:06	E1155- NO SMOKES FOUND, OUT AGAIN TO CHECK TOMORROW	FRYAL



Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

05/27/2022	15:17:05	E1155 - ZERO SMOKES FOUND, FIRE IS CONTROLLED	SIMML

Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

SELF	05/20/2022 15:11:17	BILLM	MEUCAD02
T/FWL, VEG FIRE FDID: 23555			
DSP	05/20/2022 15:11:17	BILLM	MEUCAD02
<none> --> S HWY 1 / BILL OWENS RD,VEG FIRE			
APND	05/20/2022 15:12:47	SIMML	MEUCAD03
Location: PII ;Caller: PII ;Address: PII 6);Phone: PII ;Type: FWL;			
SUGG	05/20/2022 15:20:34	BILLM	MEUCAD02
, ADD: No comments entered.			
SUGG	05/20/2022 15:21:01	BILLM	MEUCAD02
, ADD: No comments entered.			
FREQU	05/20/2022 15:22:00	SIMML	MEUCAD03
Command: COMMAND 8/11 (Tx:159.3450 Rx:151.4450) ==> RED/9 (Tx:154.3850 Rx:153.9500)			
SUGG	05/20/2022 15:22:11	BILLM	MEUCAD02
, ADD: No comments entered.			
APND	05/20/2022 15:25:38	SIMML	MEUCAD03
Location: PII ;Caller: PII 4;Address: PII ;Phone: PII ;Type: FWL;			
APND	05/20/2022 15:51:56	SIMML	MEUCAD03
Location: PII ;Caller: PII Address: PII PII ;Phone: PII ;Type: FWL;			
CAD-CIS	05/20/2022 15:38:04		POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-1, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: FIXED WING AIR TACTICAL, Cat Xlat: A/A, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 15:38:22		POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-2, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: AIRTANKER TYPE 3 MULTI-ENGINE, Cat Xlat: A/T3, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
ROSFILL	05/20/2022 15:39:18	CISWKS	CISWKS
Req#: A-4. Item: HEL2.Resource: HE2S - CDF 910.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/20/2022 15:39:18		POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-4, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: HELICOPTER TYPE 2 STANDARD, Cat Xlat: HEL2, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {27EECBC1-D2BC-4D5B-9128-6C4E9DC1F8C1}, Ros Name: HE2S - CDF 910, Res ETD:May-20-2022/15:15, Res ETA:May-20-2022/15:33, Cell phone:N/A, Remarks:.			
CAD-CIS	05/20/2022 15:40:12		POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-5, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: HELICOPTER TYPE 1 STANDARD, Cat Xlat: HEL1, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
SUGG	05/20/2022 15:51:23	BILLM	MEUCAD02
, ADD: No comments entered.			
CAD-CIS	05/20/2022 15:53:34		POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-1, CAD temp Id: MEU23.001, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 15:53:53		POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-2, CAD temp Id: MEU23.002, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 15:54:34		POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-3, CAD temp Id: MEU23.003, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			

CAL FIRE
Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

CAD-CIS 05/20/2022 15:54:44 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-4, CAD temp Id: MEU23.004, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:07:09 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-7, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: AIRTANKER TYPE 3 MULTI-ENGINE, Cat Xlat: A/T3, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:10:55 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-5, CAD temp Id: MEU23.006, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:22:46 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-7, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: AIRTANKER TYPE 3 MULTI-ENGINE, Cat Xlat: A/T3, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:27:27 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-7, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: AIRTANKER TYPE 3 MULTI-ENGINE, Cat Xlat: A/T3, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {F6DF1522-EF7E-444C-BE38-FBAE471CD28B}, Ros Name: ATM3 - CDF 79, Res ETD:May-20-2022/16:10, Res ETA:May-20-2022/16:11, Cell phone:□, Remarks:.

CAD-CIS 05/20/2022 16:29:32 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-1, CAD temp Id: MEU23.008, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:44:46 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-6, CAD temp Id: MEU23.009, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:55:02 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-7, CAD temp Id: MEU23.011, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:55:24 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-8, CAD temp Id: MEU23.012, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 16:55:34 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-9, CAD temp Id: MEU23.013, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

DE 05/20/2022 16:56:39 Override: 5/20/22 16:50 CAMPE MEUCAD04
TRN1137 (TRN) Override

DE 05/20/2022 16:57:07 Override: 5/20/22 16:06 CAMPE MEUCAD04
TRN1137 (TRN) Override

ROSFILL 05/20/2022 17:01:16 CISWKS CISWKS
Req#: O-2. Item: ENGB.Resource: Tunzi, Gregory B.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 17:01:16 POLLROSI
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-2, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE BOSS, SINGLE RESOURCE, Cat Xlat: ENGB, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {B6D16B1A-EFF2-4E04-BC60-262782BA19FE}, Ros Name: Tunzi, Gregory B, Res ETD:May-20-2022/15:15, Res ETA:May-20-2022/15:45, Cell phone:N/A, Remarks:.



Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

SUGG	05/20/2022 17:09:53	BILLM	MEUCAD02
, ADD: No comments entered.			
SUGG	05/20/2022 17:10:52	BILLM	MEUCAD02
, ADD: No comments entered.			
CAD-CIS	05/20/2022 17:30:53		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-3, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 17:31:09		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:A-8, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
PLCREQ	05/20/2022 17:58:28	CAMPE	MEUCAD04
Req#:TBA. Temporary ID:MEU23.014. Item:CRW1. Catalog:CREW, FIRE TYPE 1. When Needed:05/20/2022-17:58:21. Agency preference:. Place with:CAMECC. FAA:. ROS notified.			
PLCREQ	05/20/2022 17:58:29	CAMPE	MEUCAD04
Req#:TBA. Temporary ID:MEU23.015. Item:CRW1. Catalog:CREW, FIRE TYPE 1. When Needed:05/20/2022-17:58:21. Agency preference:. Place with:CAMECC. FAA:. ROS notified.			
PLCREQ	05/20/2022 17:58:31	CAMPE	MEUCAD04
Req#:TBA. Temporary ID:MEU23.016. Item:CRW1. Catalog:CREW, FIRE TYPE 1. When Needed:05/20/2022-17:58:21. Agency preference:. Place with:CAMECC. FAA:. ROS notified.			
PLCREQ	05/20/2022 17:58:33	CAMPE	MEUCAD04
Req#:TBA. Temporary ID:MEU23.017. Item:CRW1. Catalog:CREW, FIRE TYPE 1. When Needed:05/20/2022-17:58:21. Agency preference:. Place with:CAMECC. FAA:. ROS notified.			
CAD-CIS	05/20/2022 17:58:50		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-1, CAD temp Id: MEU23.014, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 17:59:11		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-2, CAD temp Id: MEU23.015, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 17:59:24		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-3, CAD temp Id: MEU23.016, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 17:59:39		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-4, CAD temp Id: MEU23.017, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 18:00:25		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-10, CAD temp Id: MEU23.018, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 18:00:39		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-11, CAD temp Id: MEU23.020, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 18:13:01		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-3, CAD temp Id: MEU23.022, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.			
CAD-CIS	05/20/2022 18:13:50		POLLROS1

Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-12, CAD temp Id: MEU23.023, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS 05/20/2022 18:26:12 POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-13, CAD temp Id: MEU23.025, Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

PLCRREQ 05/20/2022 19:10:01 CISWKS CISWKS

Req#:C-5. Item:STGH. Catalog:CREW, STRIKE TEAM TYPE 1 OR 2 ANY. Agency preference:. Place with:CACICC. FAA:.

CAD-CIS 05/20/2022 19:10:01 POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-5, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: CREW, STRIKE TEAM TYPE 1 OR 2 ANY, Cat Xlat: STGH, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

PLCRREQ 05/20/2022 19:10:40 CISWKS CISWKS

Req#:E-15. Item:STC. Catalog:ENGINE, STRIKE TEAM TYPE 3. Agency preference:. Place with:CARICC. FAA:.

CAD-CIS 05/20/2022 19:10:40 POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-15, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE, STRIKE TEAM TYPE 3, Cat Xlat: STC, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

PLCRREQ 05/20/2022 19:11:27 CISWKS CISWKS

Req#:E-16. Item:STC. Catalog:ENGINE, STRIKE TEAM TYPE 3. Agency preference:. Place with:CASCCC. FAA:.

CAD-CIS 05/20/2022 19:11:27 POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-16, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE, STRIKE TEAM TYPE 3, Cat Xlat: STC, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

ROSFILL 05/20/2022 19:14:48 CISWKS CISWKS

Req#: O-4. Item: IADP.Resource: Campbell, Eric D.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 19:14:48 POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-4, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: INITIAL ATTACK DISPATCHER, Cat Xlat: IADP, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {DCD59D4E-2DA0-43EB-AD15-1B1F6A97CE91}, Ros Name: Campbell, Eric D, Res ETD:May-20-2022/19:09, Res ETA:May-20-2022/19:09, Cell phone:N/A, Remarks:.

ROSFILL 05/20/2022 19:14:56 CISWKS CISWKS

Req#: O-5. Item: IADP.Resource: Simmons-Davis, Leah.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 19:14:56 POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-5, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: INITIAL ATTACK DISPATCHER, Cat Xlat: IADP, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {ABC7321D-C784-4769-8872-AC447A8D3B5C}, Ros Name: Simmons-Davis, Leah, Res ETD:May-20-2022/19:12, Res ETA:May-20-2022/19:12, Cell phone:N/A, Remarks:.

ROSFILL 05/20/2022 19:19:47 CISWKS CISWKS

Req#: O-6. Item: IADP.Resource: Bills, Marie.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 19:19:47 POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-6, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: INITIAL ATTACK DISPATCHER, Cat Xlat: IADP, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {B9A938A6-650C-40F0-AA99-45E38E60CFCA}, Ros Name: Bills, Marie, Res ETD:May-20-2022/19:14, Res ETA:May-20-2022/19:14, Cell phone:N/A, Remarks:.

ROSFILL 05/20/2022 19:19:53 CISWKS CISWKS

Req#: O-7. Item: IADP.Resource: Crosgrove, Kellen D.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 19:19:53 POLLROSI

Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-7, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: INITIAL ATTACK DISPATCHER, Cat Xlat: IADP, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {7D603D69-604E-4822-974A-A01803A70286}, Ros Name: Crosgrove, Kellen D, Res ETD:May-20-2022/17:30, Res ETA:May-20-2022/18:30, Cell phone:N/A, Remarks:.

TAB	05/20/2022 19:54:53	CAMPE	MEUCAD04

36.2 (command: TAB)

ROSFILL	05/20/2022 19:58:45	CISWKS	CISWKS

Req#: C-6. Item: STG.Resource: CST1 - 9124G.New request from ROS, marked FILL on receipt.

CAD-CIS	05/20/2022 19:58:45		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-6, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: CREW, STRIKE TEAM TYPE 1, Cat Xlat: STG, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {6E8FE714-C2C7-4E54-98BE-E44F6ADDD258}, Ros Name: CST1 - 9124G, Res ETD:May-21-2022/05:00, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

TAB	05/20/2022 20:44:10	BILLM	MEUCAD02

35 (command: TAB)

CLOENR	05/20/2022 20:46:14	BILLM	MEUCAD02

E1172[CDF HOWARD FOREST @ 17501 N HWY 101 ,WILLITS]

ROSFILL	05/20/2022 20:46:38	CISWKS	CISWKS

Req#: E-23. Item: STC.Resource: EST3 - 9120C.New request from ROS, marked FILL on receipt.

CAD-CIS	05/20/2022 20:46:38		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-23, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE, STRIKE TEAM TYPE 3, Cat Xlat: STC, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {1FB6B17C-80B3-4EEB-A00C-E661738673B3}, Ros Name: EST3 - 9120C, Res ETD:May-21-2022/05:00, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

ROSFILL	05/20/2022 20:51:57	CISWKS	CISWKS

Req#: E-18. Item: ENG3.Resource: ENG3 - 1166.New request from ROS, marked FILL on receipt.

CAD-CIS	05/20/2022 20:51:58		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-18, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {CF07BDFA-2997-4894-97A7-352C0E150EDF}, Ros Name: ENG3 - 1166, Res ETD:May-20-2022/15:28, Res ETA:May-20-2022/16:27, Cell phone:N/A, Remarks:.

ROSFILL	05/20/2022 20:52:01	CISWKS	CISWKS

Req#: E-19. Item: ENG3.Resource: ENG3 - 1175.New request from ROS, marked FILL on receipt.

CAD-CIS	05/20/2022 20:52:02		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-19, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {4EE438E7-188A-4AEB-956D-DE6F0AFC3466}, Ros Name: ENG3 - 1175, Res ETD:May-20-2022/15:29, Res ETA:May-20-2022/16:34, Cell phone:N/A, Remarks:.

ROSFILL	05/20/2022 21:17:09	CISWKS	CISWKS

Req#: E-17. Item: ENG3.Resource: ENG3 - E7360.New request from ROS, marked FILL on receipt.

CAD-CIS	05/20/2022 21:17:09		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-17, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {782E1104-F33B-40EC-ADFA-1806E1CAAD32}, Ros Name: ENG3 - E7360, Res ETD:May-20-2022/15:37, Res ETA:May-20-2022/15:45, Cell phone:N/A, Remarks:.

ROSFILL	05/20/2022 21:22:26	CISWKS	CISWKS

Req#: E-22. Item: W/TS2.Resource: WTS2 - WT7190.New request from ROS, marked FILL on receipt.

CAD-CIS	05/20/2022 21:22:26		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-22, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: WATERTENDER TYPE 2 SUPPORT, Cat Xlat: W/TS2, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {04E4AC0B-C8AA-4B21-A5F1-0904F70883AB}, Ros Name: WTS2 - WT7190, Res ETD:Dec-31-1969/16:00, Res ETA:Dec-31-1969/16:00, Cell phone:N/A, Remarks:.

ROSFILL	05/20/2022 21:35:29	CISWKS	CISWKS

Req#: E-14.2. Item: ENG3.Resource: ENG3 - E7562.New request from ROS, marked FILL on receipt.

CAD-CIS	05/20/2022 21:35:30		POLLROS1

CAL FIRE
Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-14.2, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {1A0C8C76-97D7-4558-A56A-6EACA009485B}, Ros Name: ENG3 - E7562, Res ETD:May-21-2022/04:00, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

ROSFILL 05/20/2022 21:40:42 CISWKS CISWKS

Req#: E-14.4. Item: ENG3.Resource: ENG3 - E5468.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 21:40:42 POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-14.4, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {C2D125D2-F0C8-494F-B4C1-EDEABC55DD7A}, Ros Name: ENG3 - E5468, Res ETD:May-21-2022/04:00, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

ROSFILL 05/20/2022 21:40:48 CISWKS CISWKS

Req#: E-14.3. Item: ENG3.Resource: ENG3 - E7361.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 21:40:49 POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-14.3, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {8A950777-3F26-4970-9AB7-D8E1320B1C89}, Ros Name: ENG3 - E7361, Res ETD:May-21-2022/04:00, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

ROSFILL 05/20/2022 21:40:53 CISWKS CISWKS

Req#: E-14.5. Item: W/T1.Resource: WT1 - WT5290.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 21:40:53 POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-14.5, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: WATERTENDER TYPE 1 TACTICAL, Cat Xlat: W/T1, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {27C2E8B5-E7CA-45D8-AF85-0B6AD18E8E47}, Ros Name: WT1 - WT5290, Res ETD:May-21-2022/04:00, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

ROSFILL 05/20/2022 22:15:08 CISWKS CISWKS

Req#: O-8. Item: PIOF.Resource: Austin, Tricia.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 22:15:08 POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-8, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: PUBLIC INFORMATION OFFICER, Cat Xlat: PIOF, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {D2168A87-01AB-412F-BB2A-5AFB2DAAE4E7}, Ros Name: Austin, Tricia, Res ETD:Dec-31-1969/16:00, Res ETA:Dec-31-1969/16:00, Cell phone:N/A, Remarks:.

FRPNAME 05/20/2022 22:39:09 SIMML MEUCAD01

<none> --> LINDERMAN, LEVI

TAB 05/20/2022 22:39:15 SIMML MEUCAD01

36.2 (command: TAB)

CHNG 05/20/2022 22:40:12 SIMML MEUCAD01

LocCmt: <empty> ==> 28000 S HWY 1 / 48000 BILL OWENS RD ,POINT_ARENA:CallerName: <empty> ==> E1155 - PAYAN;

ROSFILL 05/20/2022 22:45:13 CISWKS CISWKS

Req#: O-10. Item: SPUL.Resource: Smith, Justin.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 22:45:13 POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-10, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: SUPPLY UNIT LEADER, Cat Xlat: SPUL, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {9FA54FFF-B6ED-4CB4-B9FC-DA9C64A827ED}, Ros Name: Smith, Justin, Res ETD:May-20-2022/16:45, Res ETA:May-20-2022/17:00, Cell phone:N/A, Remarks:.

CACPT 05/20/2022 22:47:50 SIMML MEUCAD01

[47479 BLK BILL OWENS RD ,POINT_ARENA]

CHNG 05/20/2022 22:47:50 SIMML MEUCAD01

Remarks Entered:Location: [redacted] / [redacted],POINT_ARENA ==>
=L/[redacted] ,POINT_ARENA ;

ROSFILL 05/20/2022 23:16:58 CISWKS CISWKS

Req#: E-21. Item: ENG2.Resource: ENG2 - E8481.New request from ROS, marked FILL on receipt.

CAD-CIS 05/20/2022 23:16:58 POLLROS1



Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-21, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 2, Cat Xlat: ENG2, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {BC6B8151-2E89-4F80-8B14-9765452C1833}, Ros Name: ENG2 - E8481, Res ETD:Dec-31-1969/16:00, Res ETA:Dec-31-1969/16:00, Cell phone:N/A, Remarks:.

DE	05/21/2022	5:46:01	Override: 5/21/22 5:00	CROSK	MEUCAD03

HRK3 (CRW1) HRK4 (CRW1) Override

DE	05/21/2022	5:46:26	Override: 5/21/22 5:01	CROSK	MEUCAD03

E1272 (ENG3) Override

DE	05/21/2022	5:47:20	Override: 5/21/22 5:03	CROSK	MEUCAD03

E1274 (ENG3) Override

DE	05/21/2022	5:48:18	Override: 5/21/22 5:17	CROSK	MEUCAD03

WT6892 (W/T1) Override

DE	05/21/2022	5:48:43	Override: 5/21/22 5:33	CROSK	MEUCAD03

E1275 (ENG3) Override

ROSFILL	05/21/2022	6:57:15		CISWKS	CISWKS

Req#: C-7. Item: STG.Resource: CST1 - 9124G.New request from ROS, marked FILL on receipt.

CAD-CIS	05/21/2022	6:57:15			POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-7, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: CREW, STRIKE TEAM TYPE 1, Cat Xlat: STG, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {6E8FE714-C2C7-4E54-98BE-E44F6ADDD258}, Ros Name: CST1 - 9124G, Res ETD:May-21-2022/05:30, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

ROSFILL	05/21/2022	7:02:10		CISWKS	CISWKS

Req#: E-24. Item: STC.Resource: EST3 - 9120C.New request from ROS, marked FILL on receipt.

CAD-CIS	05/21/2022	7:02:10			POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-24, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE, STRIKE TEAM TYPE 3, Cat Xlat: STC, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {1FB6B17C-80B3-4EEB-A00C-E661738673B3}, Ros Name: EST3 - 9120C, Res ETD:May-21-2022/05:30, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.

CLOC	05/21/2022	7:03:45		SIMML	MEUCAD01

PFK1[PARLIN FORK CAMP 23000 HWY 20 @ =L(39.359139,-123.658475) ,FORT_BRAGG]

CLOC	05/21/2022	7:05:53		SIMML	MEUCAD01

CNA11B[HOWARD FOREST STATION @ =L(39.343557,-123.317352) ,WILLITS]

CAD-CIS	05/21/2022	7:13:53			POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-7, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS	05/21/2022	7:13:53			POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-7, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: CREW, STRIKE TEAM TYPE 1, Cat Xlat: STG, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS	05/21/2022	7:17:11			POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-24, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: , Cat Xlat: NO CAT, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

CAD-CIS	05/21/2022	7:17:11			POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-24, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE, STRIKE TEAM TYPE 3, Cat Xlat: STC, Ross Text: , When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: , Ros Name: , Res ETD:, Res ETA:, Cell phone:, Remarks:.

ROSFILL	05/21/2022	7:50:52		CISWKS	CISWKS

Req#: E-25. Item: ENG3.Resource: ENG3 - 1154.New request from ROS, marked FILL on receipt.

CAD-CIS	05/21/2022	7:50:52			POLLROSI

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-25, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {2D5E060D-C8C5-4729-861F-3FEB1B36CFB4}, Ros Name: ENG3 - 1154, Res ETD:May-20-2022/15:54, Res ETA:May-20-2022/18:30, Cell phone:N/A, Remarks:.

CLOC	05/21/2022	8:01:48		SIMML	MEUCAD01

E1156[CDF WOODLANDS @ 41722 LITTLE LAKE RD ,MENDOCINO]



Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

CLOC	05/21/2022 8:08:08			SIMML	MEUCAD01
E1166[CDF FORT BRAGG @ 802 N MAIN ST ,FORT_BRAGG]					
CLOC	05/21/2022 8:41:28			TUNEG	MEUCAD02
E1175[CDF BOONVILLE @ 16001 HWY 128 ,BOONVILLE]					
RIQ	05/21/2022 9:00:08	Override: 5/20/22	20:00	SIMML	MEUCAD01
TD7543 Override					
RIQ	05/21/2022 9:00:38	Override: 5/20/22	20:00	SIMML	MEUCAD01
B7503 Override					
RIQ	05/21/2022 9:00:50	Override: 5/20/22	20:00	SIMML	MEUCAD01
CPT7319 Override					
RIQ	05/21/2022 9:01:03	Override: 5/20/22	19:30	SIMML	MEUCAD01
WT7190 Override					
AIQ	05/21/2022 9:02:02	Override: 5/20/22	21:00	SIMML	MEUCAD01
TD7543 Override					
AIQ	05/21/2022 9:02:11	Override: 5/20/22	21:00	SIMML	MEUCAD01
B7503 Override					
AIQ	05/21/2022 9:02:22	Override: 5/20/22	20:30	SIMML	MEUCAD01
CPT7319 Override					
AIQ	05/21/2022 9:02:53	Override: 5/20/22	20:30	SIMML	MEUCAD01
WT7190 Override					
STG	05/21/2022 9:22:39			CAMPE	MEUCAD04
E1155, [CDF POINT ARENA @ 410 SCHOOL ST ,POINT_ARENA]					
STG	05/21/2022 9:39:59			CAMPE	MEUCAD04
E1153, [CDF HOPLAND @ 11000 S HWY 101 ,MCNAB_RANCH]					
CLOC	05/21/2022 15:58:34			SIMML	MEUCAD01
CCR1[CHAMBERLAIN CREEK FIRE CENTER @ =L(39.353282,-123.556842) ,FORT_BRAGG]					
CLOC	05/21/2022 15:58:46			SIMML	MEUCAD01
CCR6[CHAMBERLAIN CREEK FIRE CENTER @ =L(39.353282,-123.556842) ,FORT_BRAGG]					
ROSFILL	05/21/2022 18:46:25			CISWKS	CISWKS
Req#: E-26. Item: W/T1.Resource: WTT1 - WT6892.New request from ROS, marked FILL on receipt.					
CAD-CIS	05/21/2022 18:46:25				POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-26, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: WATERTENDER TYPE 1 TACTICAL, Cat Xlat: W/T1, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {A37EBA89-31A6-49C4-829F-3C134072026B}, Ros Name: WTT1 - WT6892, Res ETD:May-21-2022/05:00, Res ETA:May-21-2022/07:00, Cell phone:N/A, Remarks:.					
CLOC	05/21/2022 20:54:07			SIMML	MEUCAD01
WT7590[STA 750 SOUTH COAST FIRE @ 39215 CHURCH ST ,GUALALA]					
CLOC	05/21/2022 20:54:15			SIMML	MEUCAD01
WT7593[STA 750 SOUTH COAST FIRE @ 39215 CHURCH ST ,GUALALA]					
MISC	05/22/2022 7:41:28			KRAMD	MEUCAD02
E1156,ARV MORN BRG R9 (command: M)					
ONS	05/22/2022 7:51:01			KRAMD	MEUCAD02
PFK1, ARV PA STN					
MISC	05/22/2022 7:51:24			KRAMD	MEUCAD02
E1183,AT PA (command: M)					
CLOCOS	05/22/2022 8:07:18			KRAMD	MEUCAD02
PFK1 [redacted] / [redacted] ,POINT_ARENA]					
ONS	05/22/2022 12:44:03	Override: 5/22/22	8:00	KRAMD	MEUCAD02
CCR1 Override					
ONS	05/22/2022 12:58:29	Override: 5/22/22	8:00	KRAMD	MEUCAD02
CCR6, NO AS TIME Override					
ONS	05/22/2022 12:58:44	Override: 5/22/22	8:00	MILLN	MEUCAD03
E1153 Override					
ONS	05/22/2022 12:58:44	Override: 5/22/22	8:00	MILLN	MEUCAD03
E1184 Override					
ONS	05/22/2022 12:58:44	Override: 5/22/22	8:00	MILLN	MEUCAD03
E1155 Override					

CAL FIRE
Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

ROSFILL	05/22/2022 13:06:32	CISWKS	CISWKS
Req#: C-8. Item: CRW1.Resource: CRW1 - Chamberlain Creek 1.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 13:06:32		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-8, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: CREW, FIRE TYPE 1, Cat Xlat: CRW1, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {CF5542C4-DB72-4C9E-9C42-71D2DCD929A3}, Ros Name: CRW1 - Chamberlain Creek 1, Res ETD:May-22-2022/07:55, Res ETA:May-22-2022/08:00, Cell phone:N/A, Remarks:.			
ROSFILL	05/22/2022 13:06:38	CISWKS	CISWKS
Req#: C-9. Item: CRW1.Resource: CRW1 - Chamberlain Creek 6.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 13:06:38		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:C-9, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: CREW, FIRE TYPE 1, Cat Xlat: CRW1, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {829024CC-79B5-4C57-93DA-0CB737BAFE69}, Ros Name: CRW1 - Chamberlain Creek 6, Res ETD:May-22-2022/07:55, Res ETA:May-22-2022/08:00, Cell phone:N/A, Remarks:.			
ROSFILL	05/22/2022 13:06:46	CISWKS	CISWKS
Req#: E-31. Item: ENG3.Resource: ENG3 - 1155.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 13:06:46		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-31, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {91ADF502-B3E6-4FB1-B685-F0397F41E151}, Ros Name: ENG3 - 1155, Res ETD:May-22-2022/07:55, Res ETA:May-22-2022/08:00, Cell phone:N/A, Remarks:.			
ROSFILL	05/22/2022 13:06:52	CISWKS	CISWKS
Req#: E-27. Item: ENG3.Resource: ENG3 - 1156.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 13:06:52		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-27, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {7EDF5A64-AA98-40C9-8841-323176E8A21C}, Ros Name: ENG3 - 1156, Res ETD:May-22-2022/07:55, Res ETA:May-22-2022/08:00, Cell phone:N/A, Remarks:.			
ROSFILL	05/22/2022 13:10:36	CISWKS	CISWKS
Req#: E-30. Item: ENG3.Resource: ENG3 - 1184.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 13:10:36		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-30, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {69C36D5C-0F2B-40EA-B746-38B73A1D5141}, Ros Name: ENG3 - 1184, Res ETD:May-22-2022/07:55, Res ETA:May-22-2022/08:00, Cell phone:N/A, Remarks:.			
ROSFILL	05/22/2022 13:10:40	CISWKS	CISWKS
Req#: E-28. Item: ENG3.Resource: ENG3 - 1183.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 13:10:41		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-28, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {6D29BA5D-A530-4F73-B260-BD977115BBE6}, Ros Name: ENG3 - 1183, Res ETD:May-22-2022/07:55, Res ETA:May-22-2022/08:00, Cell phone:N/A, Remarks:.			
ROSFILL	05/22/2022 13:13:26	CISWKS	CISWKS
Req#: E-29. Item: ENG3.Resource: ENG3 - 1153.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 13:13:26		POLLROS1
Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:E-29, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: ENGINE TYPE 3, Cat Xlat: ENG3, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {FE302E50-C2CC-429D-8EA0-D7D8871DB5BB}, Ros Name: ENG3 - 1153, Res ETD:May-22-2022/07:55, Res ETA:May-22-2022/08:00, Cell phone:N/A, Remarks:.			
MISC	05/22/2022 15:43:40	KRAMD	MEUCAD02
CCR1,CR1 AND CR6 RLS INC, CC4R ASGN FOR TMW (command: M)			
MISC	05/22/2022 15:53:01	KRAMD	MEUCAD02
PFK1,RLS FROM INC ETA TO CAMP 1710, FIRE MEAL AUTHORIZED (command: M)			
ROSFILL	05/22/2022 16:33:20	CISWKS	CISWKS
Req#: O-13. Item: GMEC.Resource: Jones, Justin.New request from ROS, marked FILL on receipt.			
CAD-CIS	05/22/2022 16:33:20		POLLROS1

Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-13, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: GENERAL MECHANIC, Cat Xlat: GMEC, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {82F7BE69-630D-401C-B874-D66017C99089}, Ros Name: Jones, Justin, Res ETD:May-21-2022/05:55, Res ETA:May-21-2022/06:00, Cell phone:N/A, Remarks:.

ROSFILL	05/22/2022	16:33:24	CISWKS	CISWKS

Req#: O-14. Item: GMEC.Resource: Ramsey, Steven M.New request from ROS, marked FILL on receipt.

CAD-CIS	05/22/2022	16:33:24		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-14, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: GENERAL MECHANIC, Cat Xlat: GMEC, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {67868F99-7E06-4EFA-9CD3-C41335C90ECD}, Ros Name: Ramsey, Steven M, Res ETD:May-21-2022/05:55, Res ETA:May-21-2022/06:00, Cell phone:N/A, Remarks:.

TAB	05/22/2022	17:21:28	MILLN	MEUCAD03

36.2 (command: TAB)

MISC	05/22/2022	18:03:59	KRAMD	MEUCAD02

E1184,RLS FROM WLTS INC AVL (command: M)

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # A-4, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # C-6, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSCANCL	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # C-7, Event Number CAPTA22006723; Action: CANCEL; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # C-8, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # C-9, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-14.2, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-14.3, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-14.4, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-14.5, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-17, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-18, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-19, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-21, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-22, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-23, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

CAL FIRE
Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

Detail Report-Segment Summary

ROSCANCL	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-24, Event Number CAPTA22006723; Action: CANCEL; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-25, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-26, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-27, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-28, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-29, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-30, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # E-31, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:04	ROYAJ	MEUCAD01

Closed Received Request for Req # O-10, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-13, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-14, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-2, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-4, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-5, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-6, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-7, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSDEFER	05/23/2022	7:21:05	ROYAJ	MEUCAD01

Closed Received Request for Req # O-8, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;

ROSFILL	05/23/2022	11:23:18	CISWKS	CISWKS

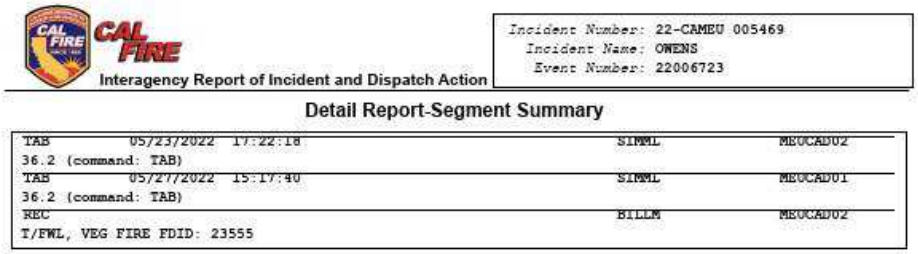
Req#: O-15. Item: DIVS.Resource: Davis, Scott Matthew.New request from ROS, marked FILL on receipt.

CAD-CIS	05/23/2022	11:23:18		POLLROS1

Event Identifiers: CAD: MEU, Agc: CAPTA, Event #:22006723, Request #:O-15, CAD temp Id: , Kind/Type needed:, Qual. needed:, Cat descr: DIVISION/GROUP SUPERVISOR, Cat Xlat: DIVS, Ross Text: □, When needed:, Requesting User Agc:, Req. User:, Fill resource Ros ID: {CE062161-5712-4E1A-810B-2F4967C2358B}, Ros Name: Davis, Scott Matthew, Res ETD:Dec-31-1969/16:00, Res ETA:Dec-31-1969/16:00, Cell phone:N/A, Remarks:.

ROSDEFER	05/23/2022	13:29:18	ROYAJ	MEUCAD01

Closed Received Request for Req # O-15, Event Number CAPTA22006723; Action: DEFER; By ROYAJ at wks MEUCAD01;



Interagency Report of Incident and Dispatch Action

Incident Number: 22-CAMEU 005469
Incident Name: OWENS
Event Number: 22006723

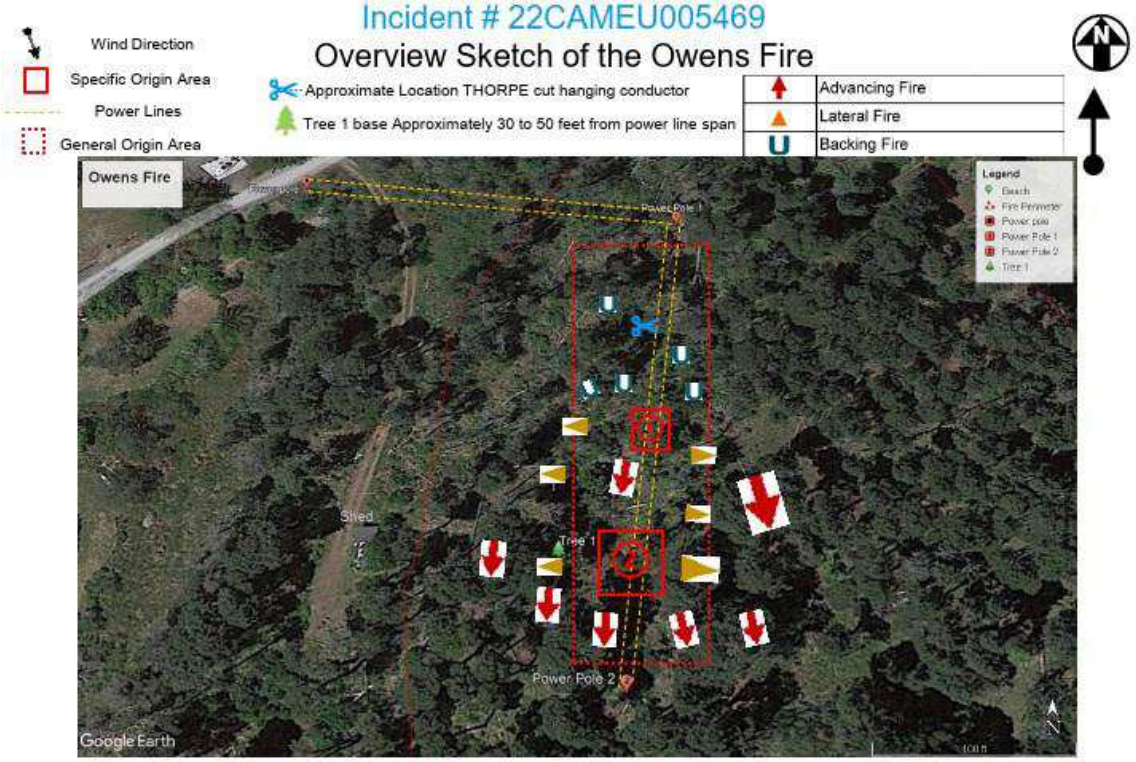
Detail Report-Segment Summary

TAB	05/23/2022 17:22:18	SIMML	MEUCAD02
36.2 (command: TAB)			
TAB	05/27/2022 15:17:40	SIMML	MEUCAD01
36.2 (command: TAB)			
REC		BILLM	MEUCAD02
T/FWL, VEG FIRE FDID: 23555			

File Name: Sketch Owens Fire

Incident # 22CAMEU005469

Overview Sketch of the Owens Fire



Author: Toby LINDERMAN
Sketch not to scale
Measurements are estimated

Incident # 22CAMEU005469

Overview Sketch of the Owens Fire



Author: Toby LINDERMAN
Sketch not to scale
Measurements are estimated

Incident # 22CAMEU005469

Overview Sketch of the Owens Fire



Author: Toby LINDERMAN
Sketch not to scale
Measurements are estimated

Owens Incident 05/20/2022 CAMEU005469

Narrative

At approximately 1500 hrs. Firefighter Nicholas Barba and I, Fire Captain Yadir Payan, in Engine 1155 were in route to the hardware store for supplies for Point Arena Station. At the time Point Arena station was not fully opened for the fire season and we were not available for State response. While driving south on Hwy 1 leaving Point Arena I noticed a small column building on the east side of the highway. We turned on Schooner Gulch Road to see if we can make access to investigate but were unable to. We turned around and headed North on Hwy 1 and turned on Bill Owens Road to see if there was access from that road and were met by bystanders stating that the fire was located down a dirt access road blocked by a gate. I nosed E1155 into the dirt road and had my firefighter exit the engine and begin a hose lay to the fire. I radioed ECC of the new incident. I was met by firefighter Daniel Peterson arriving at scene asking if he can help and I instructed him to assist firefighter Barba with the hose lay. I asked firefighter Barba what the approximate size of the fire was and he stated that it was approximately 3/4 of an acre. I noticed the column building and being influenced by wind and reported to ECC that the fire was approximately 3/4 of an acres with a potential of twenty. I requested rotor wing, additional engines and dozers and inquired the availability of fixed wing. I exited the engine to take the additional hose packs to the firefighter and firefighter Barba informed me over the radio that there where power lines down but that he had made contact with PG&E representative and that the lines were de-energized. I radio ECC with information about the powerlines and saw the PG&E representative walking towards me. I asked him again if he had de-energized the lines and he said yes and continued to walk back to my engine. I left the hose packs for the firefighters and returned back to Engine1155 to gather information on the resources responding to the incident. Resources from Redwood coast along with a water tender arrived to my location and I asked them to join my crew on the hose lay and I instructed the water tender to assist me with water supply. Shortly after I transitioned Incident Command to Battalion 1116 and was assigned as Division Charlie to be in charge of the resources on the east side of the fire with the division break being Hwy 1. At approximately 1600 hrs Prevention 1121 informed me via text that he was in route to the incident. I looked for the PG&E representative that was at scene to inform him that he needed to stay at the incident but I was unable to locate him. I PG&E service truck was at my location. I inquired if he knew where the PG&E representative was that was initially at the incident and he informed me that he had gone down the road. I let the individual know that Prevention was in route and I needed him to advice the representative at scene that I needed him to return to speak with Prevention when they arrived. He informed me that he would radio him to let him know. I returned to my task on my Division. When Prevention 1121 arrived I informed him of what I saw initially and that a PG&E representative was at scene that might have additional information on the fire. I walked with Prevention 1121 to show him the location of the power pole with the possible cause and I walked him through the time line leading up to me being informed and confirming the power was de-energized. Prevention informed me he would have the fire report and let me return back to conducting work on my division.

WITNESS STATEMENT

STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY AND FIRE PROTECTION
LE 78 (REV. 7/2011)

INCIDENT NUMBER
22CAMEU 005469
CASE NAME
OWENS

DAY	MONTH	DATE	YEAR	COUNTY	REGION	UNIT	CASE NUMBER
FRI	MAY	20	2022	MENDOCINO	CNR	MEU	---

STATEMENT OF:	PII
DOB:	PII
ID TYPE/NUMBER:	PII
ADDRESS:	PII
CITY:	PII
LOCATION:	PII

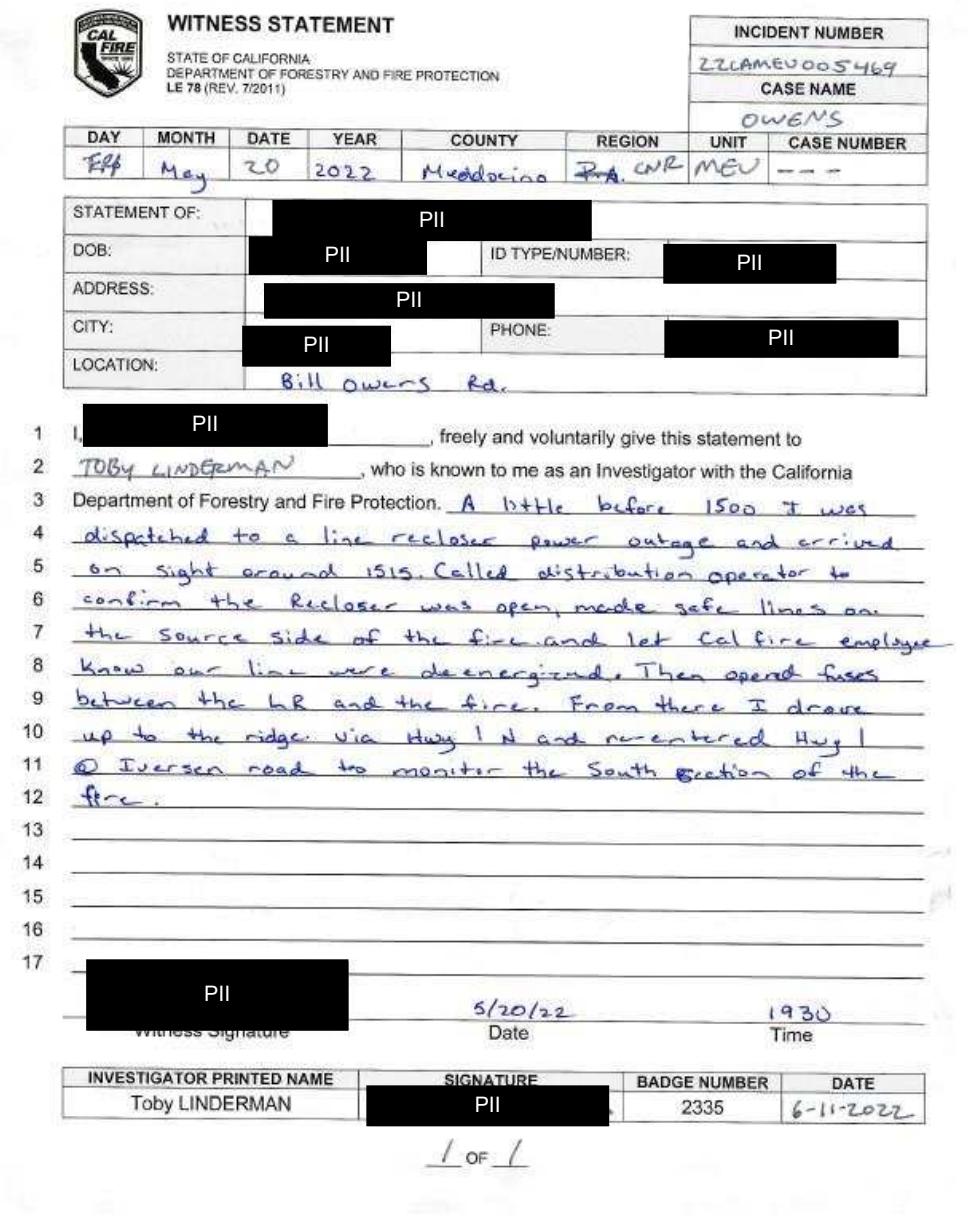
I, PII, freely and voluntarily give this statement to OFFICER IN CHARGE, who is known to me as an Investigator with the California Department of Forestry and Fire Protection. WAS ON MY COMPUTER WHEN POWER WAS INTERRUPTED. MY FRIEND CAME TO MY DOOR AND SAID HE SAW SMOKE NEAR MY PROPERTY. I CALLED 911 TO REPORT THEN WENT TO INVESTIGATE. DISCOVERED A LARGE BRUSH FIRE ON NEIGHBORING PROPERTY AT THAT TIME CAL FIRE TRUCKS ARRIVED AND PGE ARRIVED TO CUT OFF POWER FOR FIRE FIGHTERS AFTER THE FIRE WAS EXTINGUISHED WE WALKED THE SITE. THERE WERE NUMEROUS LARGE TREES THAT HAD BEEN UPROOTED AND BROWN DOWN DUE TO HIGH WINDS. IT WAS DETERMINED THAT A TREE HAD KNOCKED DOWN A POWER TRANSMISSION LINE BETWEEN POLES.

Witness Signature Date Time

INVESTIGATOR PRINTED NAME		BADGE NUMBER	DATE
Toby LINDERMAN	PII	2335	6-11-2022

1 OF 1

File Name: [redacted] witness statement



WITNESS STATEMENT

STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY AND FIRE PROTECTION
LE 78 (REV. 7/2011)

INCIDENT NUMBER	
22CAMEU005469	
CASE NAME	
OWENS	

DAY	MONTH	DATE	YEAR	COUNTY	REGION	UNIT	CASE NUMBER
Fri	May	20	2022	Mendocino	~~R.A.~~ CNR	MEU	- - -

STATEMENT OF:	[redacted]		
DOB:	[redacted]	ID TYPE/NUMBER:	[redacted]
ADDRESS:	[redacted]		
CITY:	[redacted]	PHONE:	[redacted]
LOCATION:	Bill Owens Rd.		

I, [redacted], freely and voluntarily give this statement to TOBY LINDERMAN, who is known to me as an Investigator with the California Department of Forestry and Fire Protection. A little before 1500 I was dispatched to a line recloser power outage and arrived on sight around 1515. Called distribution operator to confirm the Recloser was open, made safe lines on the source side of the fire and let Cal fire employee know our line were de-energized. Then opend fuses between the LR and the fire. From there I drove up to the ridge via Hwy 1 N and re-entered Hwy 1 @ Iversen road to monitor the South section of the fire.

[redacted]
Witness Signature

5/20/22
Date

1930
Time

INVESTIGATOR PRINTED NAME	SIGNATURE	BADGE NUMBER	DATE
Toby LINDERMAN	[redacted]	2335	6-11-2022

1 OF 1

File Name: Photo Log Owens Fire

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-01 5/20/2022 7:06:24 PM
Power pole 1 looking North East.



P-TL-02 5/20/2022 7:06:32 PM
Close up of power pole 1. Conductors are hanging.

1 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-03 5/20/2022 7:07:33 PM
Power pole 1 in the back conductor hanging over tree where it was cut by PII



P-TL-04 5/20/2022 7:10:23 PM
Piece of broken conductor.

2 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-05 5/20/2022 7:15:02 PM
Conductor on the ground underneath grass.



P-TL-06 5/20/2022 7:16:45 PM
Close up of "tree wire" coated conductor with coating melted off.

3 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-07 5/20/2022 7:17:02 PM
Overview of "tree wire" coated conductor with coating melted off.



P-TL-08 5/20/2022 7:24:17 PM
Looking South at power pole 2 with conductors underneath tree 1.

4 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-09 5/20/2022 7:24:46 PM
Conductor underneather tree 1.



P-TL-10 5/20/2022 7:26:45 PM
Broken conductor underneather tree 1.

5 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-11 5/20/2022 7:27:53 PM
Looking North west at tree 1. Conductor visible under tree.



P-TL-12 5/20/2022 7:29:49 PM
Conductor with melted "tree wire" contacting small branch after being moved.

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-13 5/20/2022 7:30:49 PM
Conductor with melted "tree wire" resting on small branch before being moved.



P-TL-14 5/20/2022 7:31:48 PM
Power pole 2 looking South East.

7 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-15 5/20/2022 7:32:33 PM
Power pole 2 identification tag.



P-TL-16 5/20/2022 7:35:27 PM
Tree 1 looking south West toward base.

8 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469



P-TL-17 5/20/2022 7:36:05 PM
Tree 1 looking West. Up-rooted base can be seen on the right side.



P-TL-18 5/20/2022 7:37:53 PM
Tree 1 rootball seen in center of picture. multiple other trees fell around it.

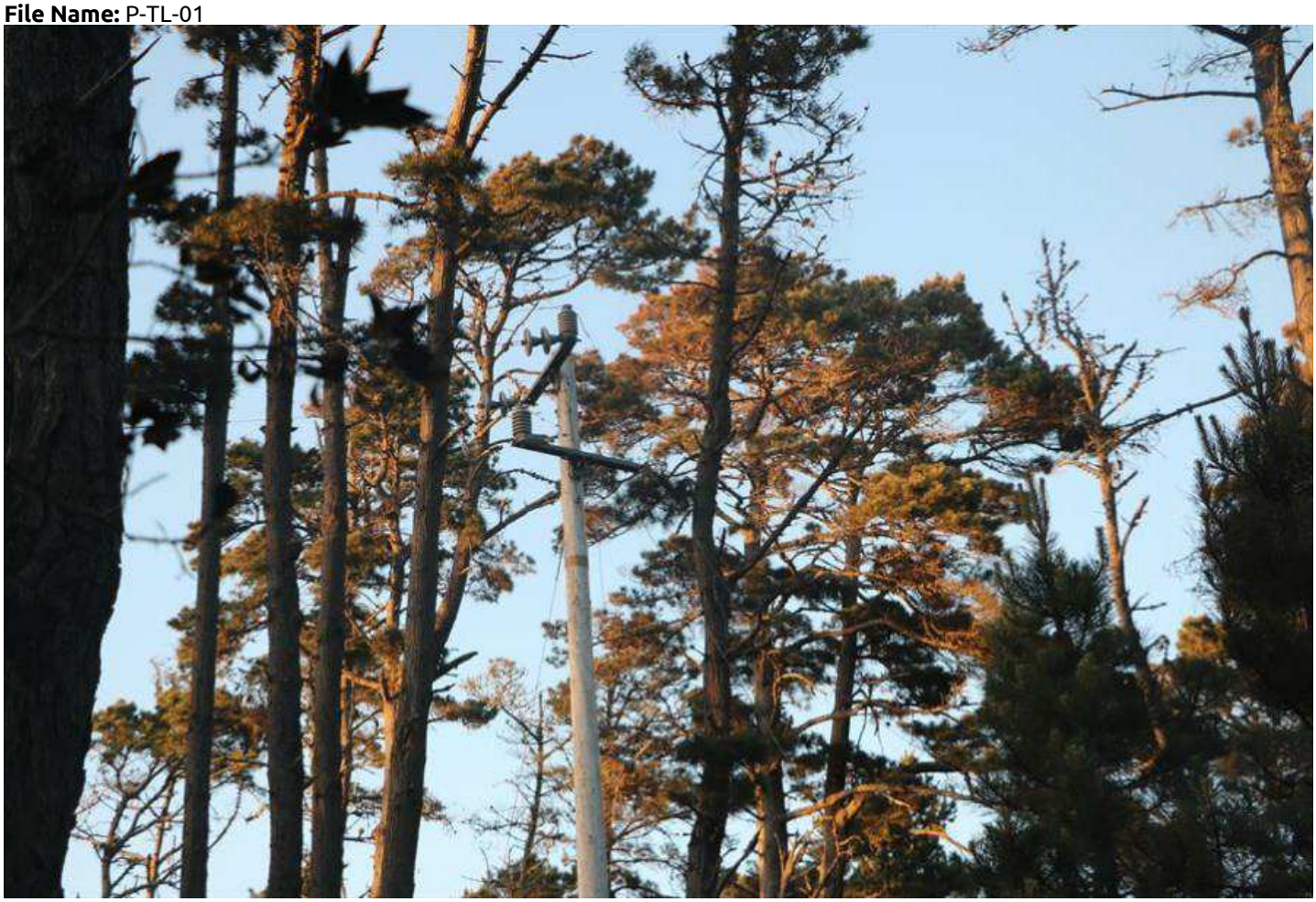
9 of 10

Toby LINDERMAN 6-11-2022 22CAMEU005469

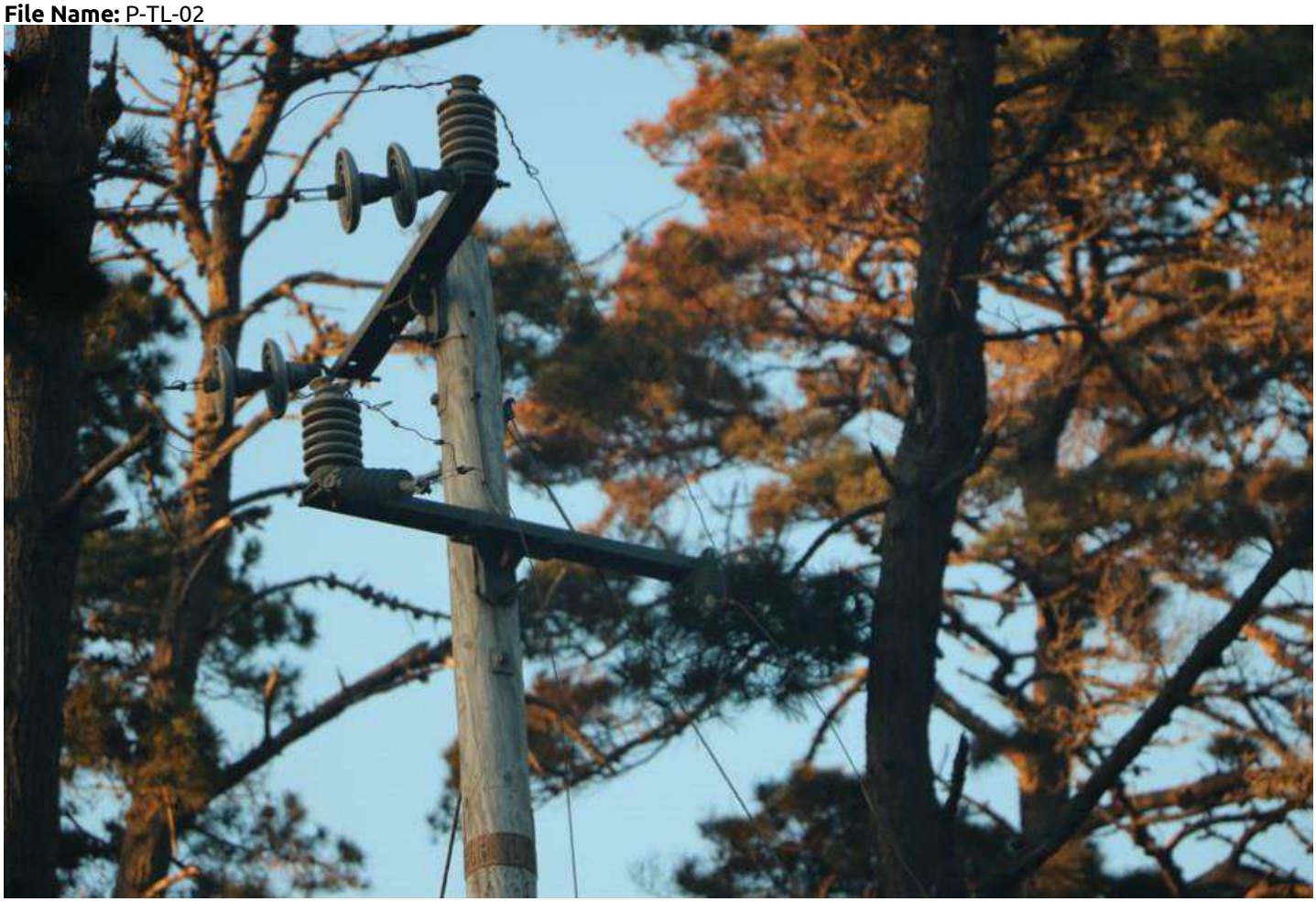


P-TL-19 5/20/2022 7:38:07 PM
Close up of tree 1 and rootball seen on the right.

File Name: P-TL-01



File Name: P-TL-02



Incident Number: 22CAMEU0005469 **Exposure:** 0 **Incident Date:** 05/20/2022

File Name: P-TL-03



File Name: P-TL-04



File Name: P-TL-05



File Name: P-TL-06



File Name: P-TL-07



Incident Number: 22CAMEU0005469 **Exposure:** 0 **Incident Date:** 05/20/2022

File Name: P-TL-08



File Name: P-TL-09



File Name: P-TL-10





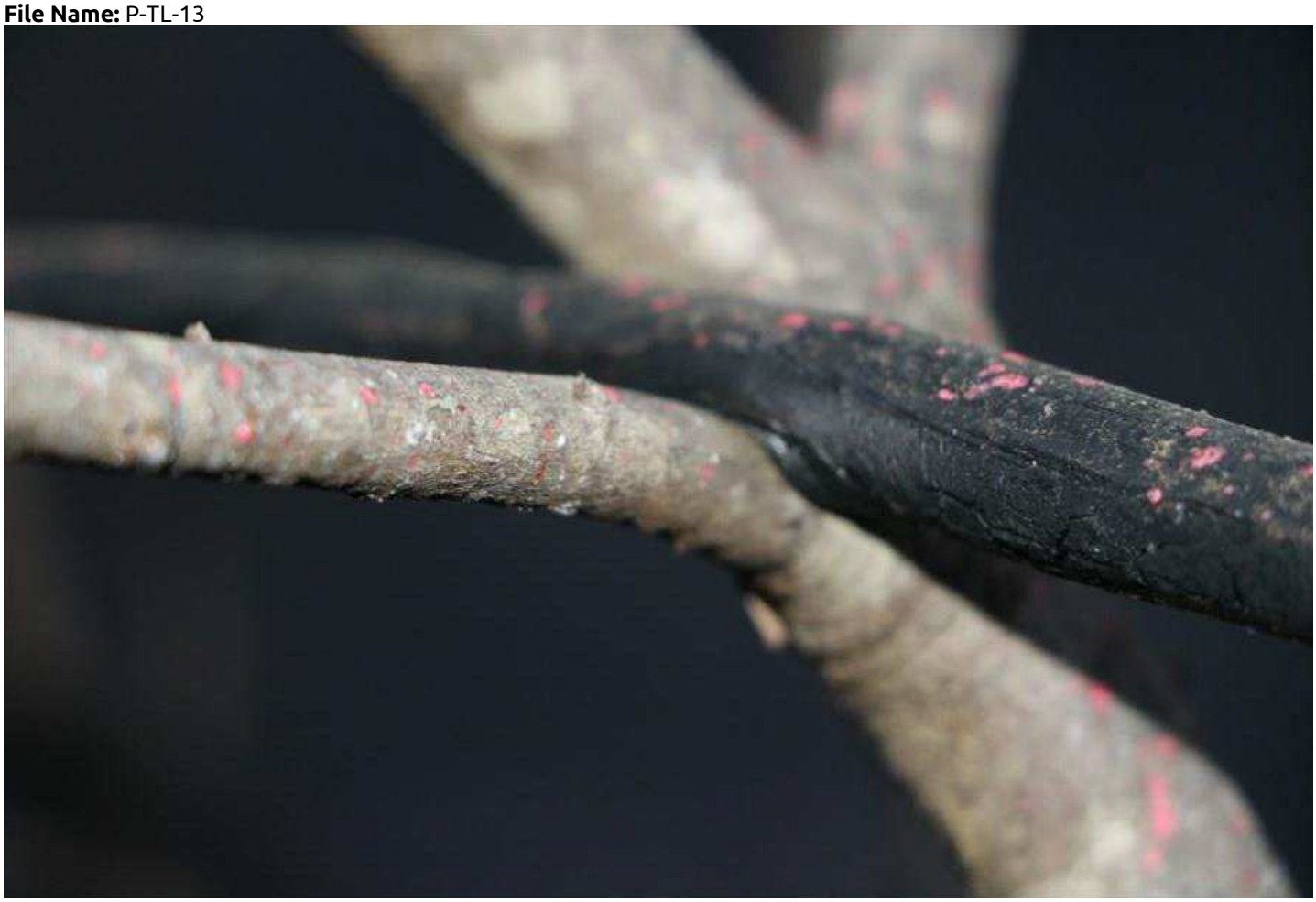
File Name: P-TL-11



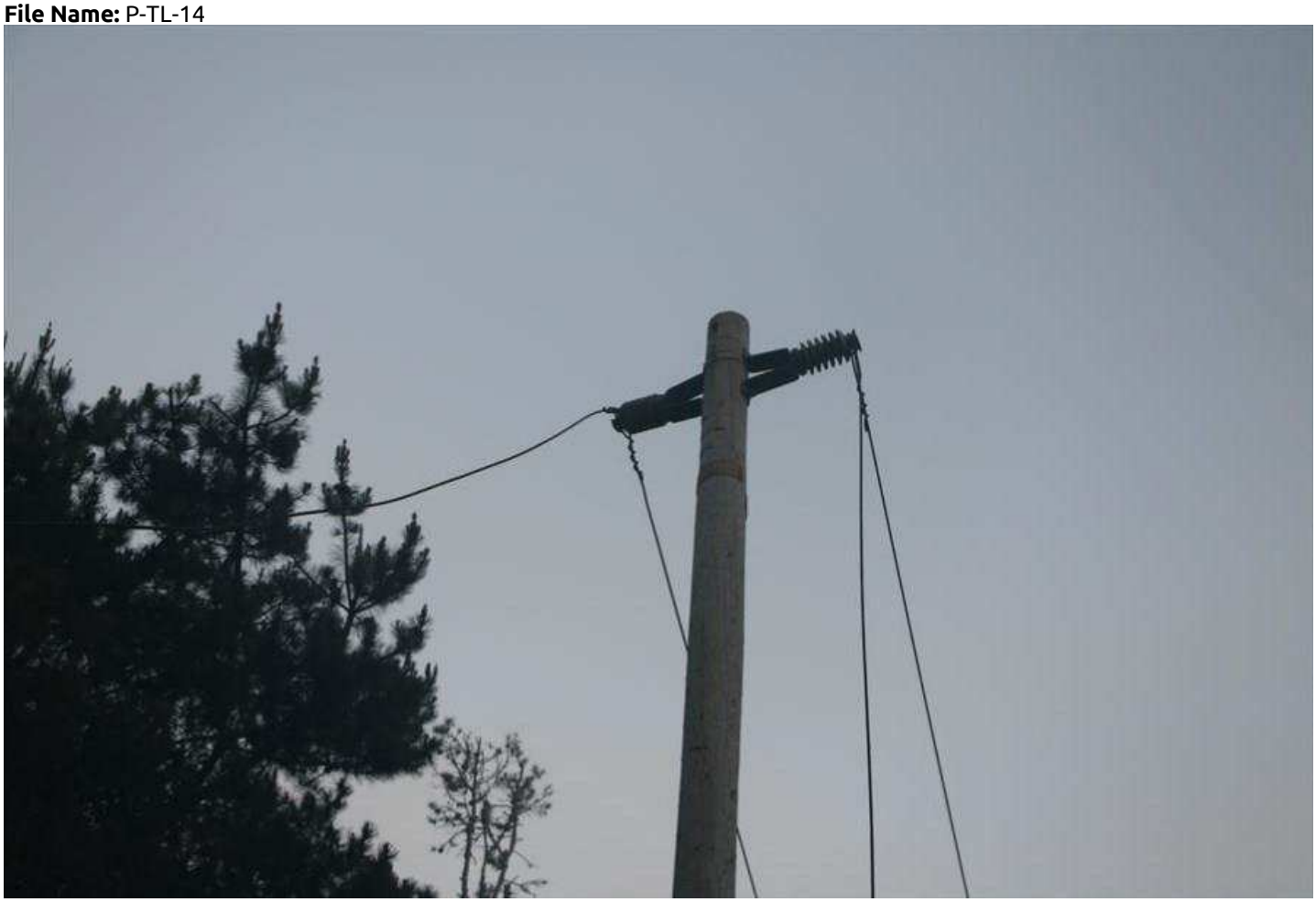
File Name: P-TL-12



File Name: P-TL-13



File Name: P-TL-14



File Name: P-TL-15



File Name: P-TL-16



File Name: P-TL-17



File Name: P-TL-18



File Name: P-TL-19



File Name: LE75P Owens Fire

PHOTOGRAPHIC LOG

STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY AND FIRE PROTECTION
LE 75p (REV. 7/2011)

INCIDENT NUMBER
22CAMEU005469
CASE NAME
OWENS
CASE NUMBER

DAY	MONTH	DATE	YEAR	COUNTY	REGION	UNIT
Friday	May	20	2022	MENDOCINO	CNR	MEU

Filename	Date/time original	Photographer	Caption
P-TL-01.JPG	5/20/2022 7:06:24 PM	Toby LINDERMAN	Power pole 1 looking North East.
P-TL-02.JPG	5/20/2022 7:06:32 PM	Toby LINDERMAN	Close up of Power pole 1. Conductors are hanging.
P-TL-03.JPG	5/20/2022 7:07:33 PM	Toby LINDERMAN	Power pole 1 in the back conductor hanging over tree where it was cut b
P-TL-04.JPG	5/20/2022 7:10:23 PM	Toby LINDERMAN	Piece of broken conductor.
P-TL-05.JPG	5/20/2022 7:15:02 PM	Toby LINDERMAN	Conductor on the ground underneath grass.
P-TL-06.JPG	5/20/2022 7:16:45 PM	Toby LINDERMAN	Close up of "tree wire" coasted conductor with coating melted off.
P-TL-07.JPG	5/20/2022 7:17:02 PM	Toby LINDERMAN	Overview of "tree wire" coated conductor with coating melted off.
P-TL-08.JPG	5/20/2022 7:24:17 PM	Toby LINDERMAN	Looking South at power pole 2 with conductors underneath tree 1.
P-TL-09.JPG	5/20/2022 7:24:46 PM	Toby LINDERMAN	Conductor underneath tree 1.
P-TL-10.JPG	5/20/2022 7:26:45 PM	Toby LINDERMAN	Broken conductor underneath tree 1.
P-TL-11.JPG	5/20/2022 7:27:53 PM	Toby LINDERMAN	Looking North West at tree 1. Conductor visible under tree.
P-TL-12.JPG	5/20/2022 7:29:49 PM	Toby LINDERMAN	Conductor with melted "tree Wire" contacting small branch after being moved.
P-TL-13.JPG	5/20/2022 7:30:49 PM	Toby LINDERMAN	Conductor with melted "tree Wire" contacting small branch before being moved.
P-TL-14.JPG	5/20/2022 7:31:46 PM	Toby LINDERMAN	Power pole 2 looking South East.
P-TL-15.JPG	5/20/2022 7:32:33 PM	Toby LINDERMAN	Power pole 2 identification tag.
P-TL-16.JPG	5/20/2022 7:35:27 PM	Toby LINDERMAN	Tree 1 looking south West toward base.
P-TL-17.JPG	5/20/2022 7:36:05 PM	Toby LINDERMAN	Tree 1 looking West. Up-rooted base can be seen on the right side.
P-TL-18.JPG	5/20/2022 7:37:53 PM	Toby LINDERMAN	Tree 1 root ball seen in center of picture. multiple other trees fell around it
P-TL-19.JPG	5/20/2022 7:38:07 PM	Toby LINDERMAN	Close up of tree and rootball seen on the right.

PRINTED NAME	SIGNATURE	BADGE NUMBER	DATE
Toby LINDERMAN	PII	2335	6-15-2022

1 OF 1

OFFICER INITIALS TL

Conditions

Elevation (in feet): 126

Relative Position on Slope: 0-Valley Bottom

Aspect: 0-Flat/None

Persons/Property Involved

06/12/2022 11:06

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement	Witness	See attached witness statement
Name (First, Middle, Last)	PII	
Address (Physical)	PII	
Address (Mailing)	---	
Parcel/Property ID	---	
State	PII	
Phone		
License/ID#		
DOB		
Gender		
Race		
Hair Color	---	
Eye Color	---	
Height	---	
Weight	---	

Persons/Property Involved

06/12/2022 11:10

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement		
Name (First, Middle, Last)		
Address (Physical)		
Address (Mailing)		
Parcel/Property ID		
State		
Phone		
License/ID#		
DOB		
Gender		
Race		
Hair Color		
Eye Color		
Height		
Weight		

Persons/Property Involved

06/12/2022 11:10

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement		
Name (First, Middle, Last)		
Address (Physical)		
Address (Mailing)		
Parcel/Property ID		
State		
Phone		
License/ID#		
DOB		
Gender		
Race		
Hair Color		
Eye Color		
Height		
Weight		

Persons/Property Involved

06/12/2022 11:11

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement		
Name (First, Middle, Last)		
Address (Physical)		
Address (Mailing)		
Parcel/Property ID		
State		
Phone		
License/ID#		
DOB		
Gender		
Race		
Hair Color		
Eye Color		
Height		
Weight		

Persons/Property Involved

06/12/2022 11:11

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement		
Name (First, Middle, Last)		
Address (Physical)		
Address (Mailing)		
Parcel/Property ID		
State		
Phone		
License/ID#		
DOB		
Gender		
Race		
Hair Color		
Eye Color		
Height		
Weight		

Persons/Property Involved

06/12/2022 11:11

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement		
Name (First, Middle, Last)		
Address (Physical)		
Address (Mailing)		
Parcel/Property ID		
State		
Phone		
License/ID#		
DOB		
Gender		
Race		
Hair Color		
Eye Color		
Height		
Weight		

Persons/Property Involved

06/12/2022 11:11

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement	Witness	See attached witness statement
Name (First, Middle, Last)	PII	
Address (Physical)		
Address (Mailing)	---	
Parcel/Property ID	---	
State	PII	
Phone		
License/ID#		
DOB		
Gender		
Race		
Hair Color	---	
Eye Color	---	
Height	---	
Weight	---	

Persons/Property Involved

06/12/2022 11:14

Fire Investigation - Victim, Witness, Subject Information

Incident Number: 22CAMEU0005469 **Incident Type:** 141-Forest, woods or wildland fire (timber)

New Group

Question	Answer	Notes
Enter the Code and Statement of the Person Involved.		
Code and Statement	Witness	See attached narrative from PAYAN (CAL FIRE Fire Captain)
Name (First, Middle, Last)	Yadir PAYAN	
Address (Physical)	---	
Address (Mailing)	17501 North Highway 101 Willits CA 95490	
Parcel/Property ID	---	
State	California	
Phone	PII	
License/ID#	---	
DOB	---	
Gender	PII	
Race		
Hair Color	---	
Eye Color	---	
Height	---	
Weight	---	

Redaction Date: 5/7/2024 2:38:41 PM

Redaction Log

Total Number of Redactions in Document: 62

Redaction Reasons by Page

Page	Reason	Description	Occurrences
3	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	12
4	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	8
14	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	13
30	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	9
31	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	10
33	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	1
61	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	2
62	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	3
68	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	2
69	PII	Personnel, Medical or Similar Records, Gov Code 7927.700	2

Redaction Log

Redaction Reasons by Exemption

Reason	Description	Pages (Count)
PII	Personnel, Medical or Similar Records, Gov Code 7927.700	3(12) 4(8) 14(13) 30(9) 31(10) 33(1) 61(2) 62(3) 68(2) 69(2)

Central Coast, DeAnza, Diablo, East Bay, Fresno, Humboldt, Kern, Los Padres, Mission, North Bay, North Valley, Peninsula, Sacramento, San Francisco, San Jose, Sierra, Sonoma, Stockton, Yosemite

Outage Report

Report Printed	Fri Jun 10 16:07:09 PDT 2022				
Date From		**Date To**		**Outage Type**	Both
OutNum	22-0064633	**Equipment Type**		**Equip Condition**	
Equipment Involved		**Equipment Cause**		**Equipment Supplemental**	
Outage Level		**Outage Interval**		**Fault Type**	
Action Required	Both	**Active**	Both	**Circuit**	
EquipID		**Fire Mitigation**	Not picked	**EPSS**	Not Picked
District					

Export To Excel

Unplanned Outages

Humboldt

Ukiah

Circuit	043381101, POINT ARENA-1101	**Event Log**	22-0064633
Type	Unplanned	**Weather**	Clear;32-90F
Customers	CESO 38 CEMO 0 ADJ CESO 38 Initial 38	**Customer Minutes**	Sus 48824 Mom 0 Adj Sus 48824 CAIDI 1285
Active	NO	**Fault Type**	Line to Ground
Interval	Sustained	**Action Required**	No
EquipID	83354	**Construction Type**	OH
Equipment Type	Line Recloser	**OIS Outage#**	1706342 **PM Order#:** 45305887
Equipment Condition	Conductor, Overhead, Broken, wire on ground	**Targets**	SGF
Crew Notified Time	05/21/22 05:44	**Supervisor Notified**	
Equipment Address	#27711 Hwy 1, 1500' N/E Hwy 1, 2500' N/W Bill Owens Rd, POINT ARENA	**Fire Mitigation**	No
Fault Location	2 SPANS SE/OF FUCO 6467	**EPSS**	N
Previous Switching			
Details	2Ø WIRE ON GROUND CAUSE BY TREE STARTED VEG FIRE		
Action Description		**Wire Down Energized**	No
Cause	Vegetation, Tree - fell into line	**No Access Reason**	
Multi Damage Location	No	**# of Operations**	1
Counter Read	25	**Created By**	[redacted]
Outage Level	Distribution Circuit	**Last Updated By**	SMBATCH_FO
FNL	05/20/22 14:43	**Reviewed By**	[redacted]
End Date	05/21/22 19:07	**Reviewed By Date**	05/21/22 11:25

Date	Description	Customers Restored
05/20/22 14:43	LINE RECLOSER 83354 OPEN	0
05/20/22 15:17	T-MAN [redacted] RPTS WIRE DOWN LD SIDE OF LR 83354-SMALL VEG FIRE; FIRE DEPT ONSCENE; WILL CALL WITH MORE DETAILS	0
05/20/22 15:31	T-MAN [redacted] RPTS FIRE DEPT STILL PUTTING OUT FIRE- WIRE CUT IN THE CLEAR 2 SPANS S/OF FUCO 6467 BOTH Ø ON GROUND CAUSED BY TREE FALLING ON LINE. FIRE IS 1/4 ACRE VEG FIRE NO FURTHER DAMAGE NOT THREATENING ANYHTING ELSE AT THIS TIME	0
05/20/22 15:45	FUS 5139 OPEN	0
05/21/22 11:12	[redacted] RPTS 100% PATROL COMPLETE FROM 83354 TO 9125 NO TBL FOUND WITH EXECPTION OF OPEN 5139 FUCO OK TO ENER ALL PERSONNEL CLEAR	0
05/21/22 11:17	LINE RECLOSER 83354 CLOSE VIA SCADA PUL	26

05/21/22 12:12	[redacted]T CGC 215279544420 OPEN BY [redacted] CREW ODL TO ISOLATE DAMAGE & RSTORE CUST SS	0
05/21/22 12:15	FUSE 5139 CLOSE BY [redacted] CREW PUL	9
05/21/22 12:17	[redacted] HOLDING OWN TO EOL FROM [redacted] PER [redacted] WILL CALL BEFORE ENERGIZING	0
05/21/22 18:45	CREW [redacted] RPTS ALL WORK COMPLETE; ALL MEN & EQUIPMENT IN THE CLEAR- NO MORE FIRE PERSONNEL IN AREA AND OK TO ENERGIZE LAST SECTION OF LINE. DO [redacted] GIVES [redacted] OK TO RT & CLO OJS LD SIDE CGC 215279544420 AND CHK PWR	0
05/21/22 19:07	[redacted] AT CGC 215279544420 CLOSE	3
05/21/22 19:09	CREW [redacted] RPTS CLO JUMPERS LD SIDE CGC 215279544420 & CHK PWR OK- RPTD ONE CUST METER STILL OFF AT THIS TIME.	0

VEGETATION MANAGEMENT INCIDENT REPORT FORM

** Use for VM investigations to report the details of all vegetation-related fires.*
** DO NOT USE FOR ROUTINE OUTAGE INVESTIGATION*
** CONFIDENTIAL REPORT: FOR USE BY PG&E ATTORNEYS ONLY*

1. GENERAL INFORMATION

Type of Incident	***FIRE: Significant*** ☒ ***Non-Significant*** ☐ ***CPUC EIR*** ☐ ***LE-38*** ☐
Report Numbers	***ILIS Outage #*** 22-0064633 ***EIR #*** ***Law-Claims #***

Date & Time Reported: **Date** 05/20/2022 **Time** 15:17	**Date & Time of Incident:** **Date** 05/20/2022 **Time** 14:43
VM Investigator name: [redacted] **Company name:** Clear Path Utility Solutions, LLC	**Telephone number:** [redacted]
GPS coordinates: Lat. 38.873659 **Long.** -123.657768	**VM Division: North Coast**
Fire agency: CAL FIRE ☒ **USFS** ☐ **Other** ☐	**Fire agency name:** CAL FIRE
Fire responsibility area: LRA ☐ **SRA** ☒ **FRA** ☐	

Customer name: [redacted]	**Telephone number:** [redacted]	
Customer address: [redacted]	**Location of Incident:** 2 spans S/W of Bill Owens Road	
City and County: Point Arena, Mendocino	**Nearest cross street:** Bill Owens Rd	
Circuit/Facility: Point Arena 1101	**SSD:** 5139	**Voltage:** 12kV
Primary ☒ **Secondary** ☐	**Tree wire present** ☐ Adjacent span 4-5	
Construction type: Crossarm		

2. TREE INFORMATION

Incident location found: ☒ **YES** ☐ **NO**	
Tree species: Bishop Pine (3 trees)	**DBH:** 25″, 24″, 22″ **Height:** Unknown
Tree condition: Dead ☐ **Alive** ☒	**Complete failure** ☒ **Partial failure** ☐
Current tree to conductor clearance: N/A	**Last prescribed clearance:** N/A
Date last inspected: 03/15/2022	**Inspection company:** Family Tree
Dater last worked: N/A	**Tree company:** N/A
Planned next inspection: 11/2022 (CEMA)	**Work request #:** N/A

3. VM INVESTIGATION (Attach copies of appropriate documentation)

Describe incident in detail (Attach sketch/photos/map):	
Was evidence secured by: **PG&E** ☐ **Contractor** ☒ **Fire agency** ☐	**Describe type of evidence secured (branch, photos, etc)** 4 photographs
Fire size: Approx. 9.6 acres	**Fire-suppression operations: Ground** ☒ **Air** ☒

LIMIT DESCRIPTION TO FACTS. DO NOT SPECULTATE.

Describe vegetation-related incident and/or outage: Between poles 5 and 6 on the west side of the lines, a group of five shallow-rooted Bishop pines uprooted during to a strong wind event. Of the five failed trees, three trees were in a position and proximity to the conductors to have likely fallen and made contact with the conductors. The bases of the three subject trees were approximately 25-30 feet from the closest conductor. I spoke with Tman [redacted] and he told me that the three failed Bishop pines that were identified as subject trees were responsible for the outage. The exact height of the trees was not possible to be determined because the trunks and tops have been bucked and scattered. Remnants of the subject tree crowns were found under the conductors. The found tree tops and foliage were green and partially scorched from the fire.

Describe vegetation condition: The three subject Bishop pines (*Pinus muricata*) that failed are on the ground and bucked. There was no evidence of decay or above-ground defects that were observed. The trees failed at the base and the root structures were shallow and tipped up with the trunk of the trees. The ground conditions around the failed trees is very wet and saturated soil conditions is evident around the site. One of ground holes left from the uprooted trees has filled with ground water. The crowns of the failed trees all had green needles and appeared to be live.

3. VM INVESTIGATION (continued)

Identify any Property Damage or Injury: The fire burned ground vegetation and was approximately 9.6 acres in size. The fire did scorch the lower limbs and bark of trees. No other property damage was observed. There are no known injuries.

4. SUBJECT POLE INFORMATION (PRC 4292 events)

VM pole number: N/A	**Subject pole tag shape:** _____
Date last cleared: _____	**VC company:** _____
Does pole appear to be in compliance? ☐	**Non-exempt equipment type:** _____
Comments: _____	**VMA/VMN?** ☐

5. SUBJECT POLE INFORMATION (Joint Pole events)

Joint pole: Yes ☐ **No** ☒	**Joint pole number:** _____**N/A**

6. THIRD PARTY INFORMATION

Third party: Caused ☐ **Injury** ☐ **N/A**	
Third party name: _____	**Telephone number: (___)**_____
Third party address: _____	
Third party response: _____	

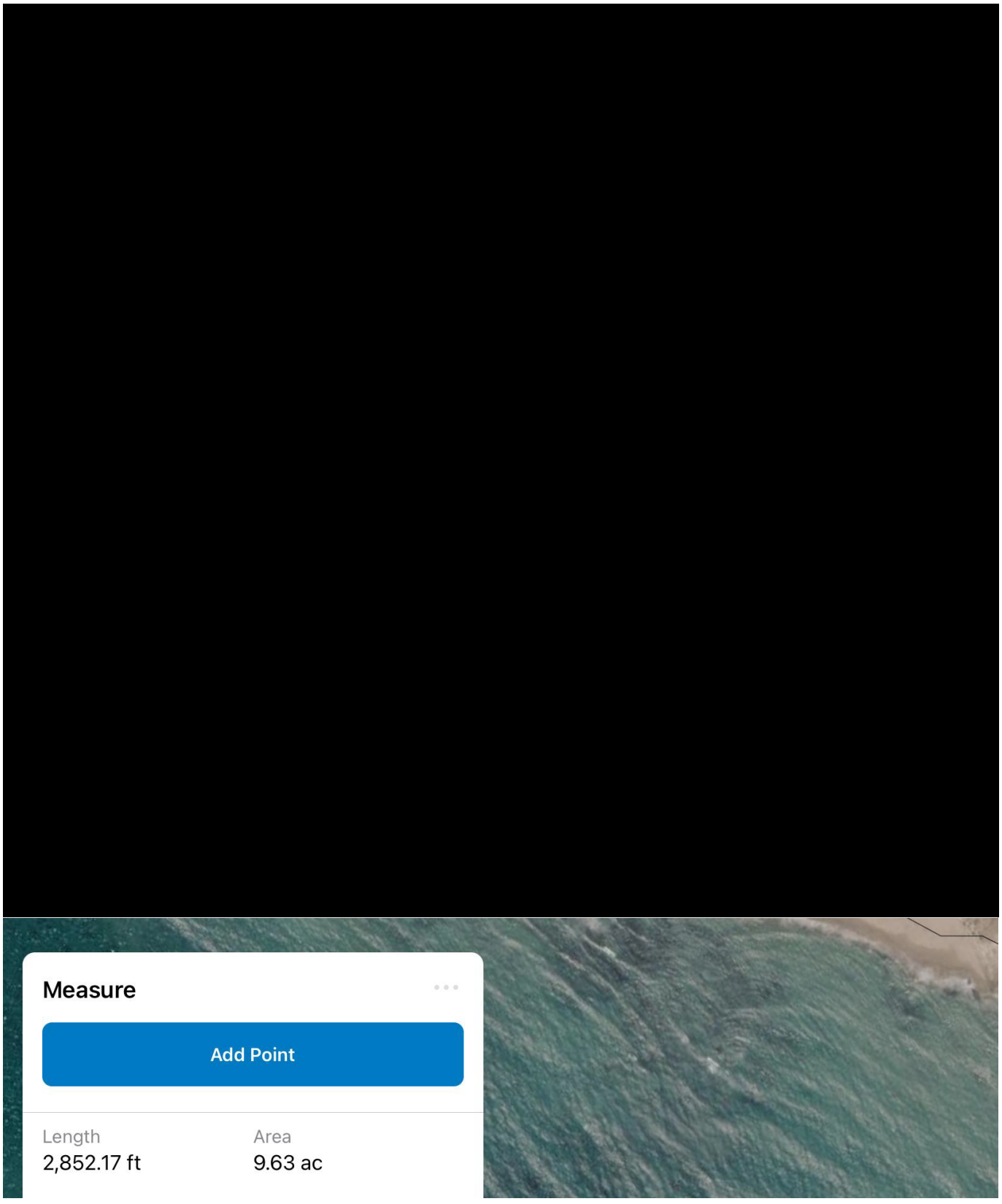
Witness name: _____**N/A**	
Witness address: _____	**Telephone number: (___)**_____
Witness comments: _____	

7. VM CONTRACTOR INVOLVED EVENTS

Was a VM contractor involved in this incident? ☐ **PG&E VM Contractor Caused?** ☐ **N/A**	
Contractor name: _____	**Contract employee name:** _____
Contractor response: _____	

8. ADDITIONAL INFORMATION

Case number: _____ ***(Keep copies of cases received during investigation.)*** **N/A**	
EC Tag(s) #: _____	**LE 38 Number:** _____
LE 38 issued? ☐	**Number:** _____
Citation issued? ☐	**Contact Information:** _____
Comments: _____	



Fire Perimeter Covering 9.6 Acres

Photo #1



Uprooted Bishop Pines

Photo #2



Poorly Drained Soil with Puddle in Vacancy of Tree Roots

Photo #3



Facing Northeast in span between poles 5 and 6.

Photo #4



View from end pole and South end of fire perimeter facing North

Preliminary Ignition Investigation Report

Ignition Database Index:	643
Electric Incident Investigation (EII) Number:	N/A
HAWC Incident Name:	Owens
PG&E Facility Ignition?	Yes
CPUC Reportable Ignition?	Yes
Date & Time of Incident:	May 20, 2022 1449 hours
Street Address:	Highway 1 and Bill Owens Road
City:	Point Arena
County:	Mendocino
Latitude/Longitude:	38.87337, -123.66418
PG&E Division:	Humboldt
High Fire Threat District (HFTD):	Tier 2
Fire Index Area:	140
Fire Potential Index (FPI) Rating:	R1
Was there a PSPS event at the time of ignition?	No
Failure Driver:	Weather
Failure Sub-driver:	Weather-High Winds
Circuit:	Point Arena 1101
Circuit Protection Zone:	[redacted]
Nominal Voltage:	12 kV
PG&E Equipment associated with ignition:	Primary conductor
EPSS enabled at time of ignition?	No
Fault Type:	Line to Ground
Wire Down (Primary)?	Yes, on the ground
MAVF Score	253.3
Lead Agency/Agency Having Jurisdiction:	CAL FIRE
Fire Size:	36.2 acres according to CAL FIRE
FAS Field Remarks:	Crew to make repairs
HAWC Summary:	Resources responded to a vegetation fire at Bill Owens Road and Highway 1. The fire was contained at 36 acres. Line around the fire. In heavy timber and firefighters will remain on scene throughout the night and into tomorrow mopping up. Final Epage sent 1853. There was an outage in the immediate area impacting approximately 38 customers. On the 43381101. 1 SIPT engine responded to the incident and was cancelled enroute. Notifications have been made to DCC, GCC. Closing incident barring any significant changes

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.

Injuries / Fatalities / Property Damage / Media Attention:	No known injuries, fatalities, or property damage. Multiple media sites covered the incident including the San Francisco Chronicle, The Press Democrat, The Mendocino voice
Weather Conditions:	Temperature 54.1 degrees, Relative Humidity (RH) 67%, wind speed 19.8 MPH out of the west/northwest, wind gust 29.3 MPH
Red Flag Warning (RFW) / High Wind Warning (HWW):	No Red Flag or High Wind Warning in effect at time of incident
911 Standby Relief Time:	N/A
OIS #:	1706342
ILIS #:	22-0064633
FAS #:	T005627744
Assigned Attorney:	[redacted]
EII Ignition Investigator & Phone:	[redacted]

Executive Summary:

On May 20, 2022 at 1449 hours a PG&E troubleman was dispatched to the Point Arena 1101 12kV overhead circuit near Bill Owens Road and Highway 1 in the community of Point Arena, Mendocino County. The troubleman was dispatched in response to a report of an outage. The troubleman arrived on scene and noted wire down load side of line recloser 83354 in between pole SAP ID #'s 102180089 and 102180038 and a vegetation fire which was in the process of being extinguished by CAL FIRE personnel (see figures # 1, 4 and 5 below). Upon patrolling the area, the troubleman noted two spans of wire down near fuse cut out (FUCO) 6467 which was caused by at least one tree, possibly three falling into the line.

CAL FIRE responded to and extinguished the 36-acre wind-driven fire which they labeled the Owens fire. The fire occurred in heavy timber type fuels in a marshy, wetland area. The incident prompted temporary mandatory evacuation orders for up to 50 homes in the area and closed a portion of Highway 1. The fire also jumped Highway 1 (see figure # 8 below). As of May 27, 2022, CAL FIRE lists the cause of this incident as under investigation. The material involved in the ignition was not collected.

According to PG&E Meteorology, the weather conditions at the time and location of the incident were: temperature 54.1 degrees, relative humidity 67%, wind speed 19.8 MPH out of the west north west and a wind gust of 29.3 MPH during R1 conditions.

The vegetation management (VM) team conducted a post-fire incident investigation and found that the incident involved a cluster of three, live, Bishop Pine trees which uprooted at their base due to the wind, and struck the primary conductor. The three tree sizes were listed as 22-, 24- and 25-inch Diameter at Breast Height (DBH) and the heights were unknown due to fire personnel bucking them up during suppression activities (see figure # 9 below). The tree to conductor clearance was also listed as unknown however, the bases of the subject trees were approximately 25-30 feet from the conductor. The pine trees were shallow-rooted and failed at their base and the root structures tipped up with the trunk of the trees (see figures # 9 and 10 below). The soil condition around the failed trees was very wet with poor drainage, saturated soils, and puddles were evident around the site. One of the ground holes left from the uprooted trees was filed with ground water. The crowns of the failed trees all had green needles and appeared to be live.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.

The Extent of Condition (EOC) patrol focused on priority one and two trees, dead trees, and radial clearance. Approximately 25 priority two trees were identified within the EOC patrol area (see figure # 12 below). The majority of the trees were within the fire area. PG&E VM inspectors returned to the site the week of May 31, 2022 with tree crews to work the trees identified in the EOC patrol and any additional trees under order number 35351568.

The incident area was last inspected March 15, 2022, and the next planned tree mortality inspection is scheduled for November, 2022. There was no Enhanced Vegetation Management (EVM) data related to the area around the incident coordinates.

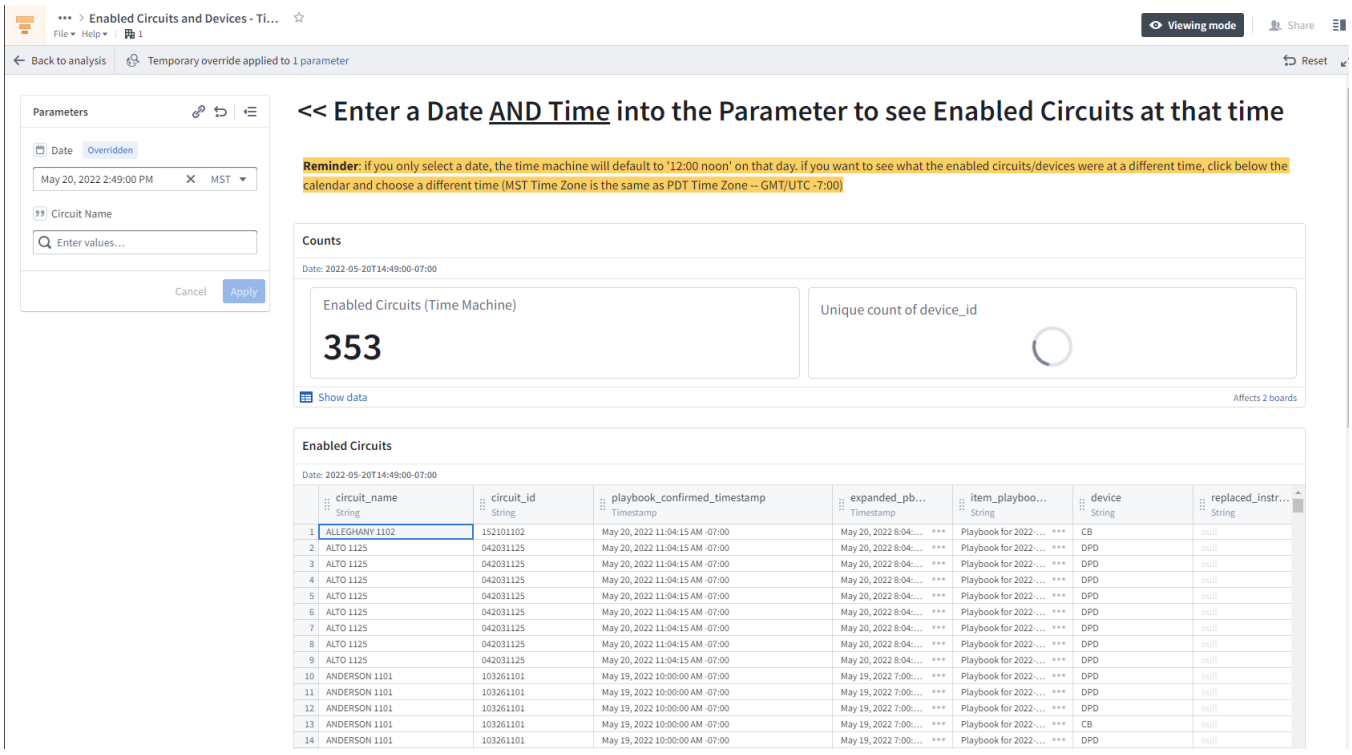
The troubleman created two EC notification tags because of this incident. One priority A notification # 123666220 associated with pole SAP ID # 102180039 and priority A notification # 123654213 associated with pole SAP ID # 102180038.

50 customers were impacted by the outage and the last customer's service was restored by 0117 on May 21, 2022.

EPSS Analysis:

The Point Arena 1101 was not enabled with Enhanced Powerline Safety Settings (EPSS) at the time of the ignition incident, therefore EPSS settings were not a factor in this incident.

The table below from the Foundry Time Machine tool shows the circuits which were enabled with EPSS settings at the date and time of the ignition incident subject to this report. There were 353 circuits enabled with EPSS settings and the Point Arena 1101 was not included.



This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.

Ignition Impact:

The incident resulted in a fire 36.2 acres in size in the Point Arena community of Mendocino County. Sheriff's officials in the area issued mandatory evacuations for Bill Owens Road to Schooner Gulch Road impacting approximately 50 homes. Evacuation orders were lifted at 9:00 pm that same night. State Highway 1 was closed in both directions for the duration of the fire since the fire jumped the highway. As of June 3, 2022, there were no reports of injuries, fatalities, or property damages. 50 customers were impacted by the incident and the last customer's service was restored by 117 hours on May 21, 2022.

Sequence of Events:

May, 20, 2022

- 1443 hours: First No Light (FNL) Line recloser 83354 open
- 1443 hours: First Smart Meter Last Gasp time
- 1449 hours: PG&E troubleman dispatched to the Point Arena 1101 circuit
- 1511 hours: Integrated Reporting of Wildland Fire (IRWIN) time
- 1517 hours: Troubleman reports wire down load side of LR 83354, tree fell into the line, small vegetation fire, CAL FIRE on scene
- 1531 hours: Troubleman reports fire department still in process of extinguishing the fire

May 21, 2022

- 0544 hours: PG&E repair crew dispatched to the Point Arena 1101 circuit
- 1117 hours: Outage complete time in OMT. Line recloser 83354 closed via Supervisory Control and Data Acquisition (SCADA)

Corrective Notification Associated with Ignition:

Priority A notification tag # 123666220 associated with pole SAP ID # 102180039 to replace the conductor and DE shoes due to the tree falling. The conductor was replaced "like for like" repairs were completed on May 21, 2022. Priority A notification Tag # 123654213 associated with pole SAP ID # 102180038 to replace the conductor. On May 21, 2022 a repair crew replaced 400 feet of copper overhead #6 bare solid wire.

Pending Work:

Type	Number	Description	Priority	Date Identified	Due Date
EC Notification	N/A				
COE Notification	N/A				
LC Notification	N/A				
Veg Work PM Order	35351568	Priority trees identified in EOC	Accelerated	May 21, 2022	TBD
Tree work packet #	458129	FP-Removal		May 31, 2022	TBD

Please note this may not include pending major program or project work at the incident location.

Asset Info & Most Recent Inspections and Tests:

Info / Inspection	Most Recent Date	Findings
Install Date:	January 1, 1980 January 1, 1980	Pole SAP ID # 102180089 Class 5, 40-foot wooden pole Pole SAP ID # 102180038 Class 5, 40-foot wooden pole
Inspection:	July 9, 2021 July 9, 2021 May 15, 2019	Pole SAP ID # 102180089-No compelling or abnormal conditions noted Pole SAP ID # 102180038-No compelling or abnormal conditions noted Pole SAP ID # 102180089-No compelling or abnormal conditions noted
	May 15, 2019	Pole SAP ID # 102180038-No compelling or abnormal conditions noted
Patrol:	2020	No abnormal conditions identified
	2019	
Corrective History:	July 19, 2021	Priority C notification # 121759444 for pole SAP ID # 102180089 -tree branch or bark on conductor, repair completed
Aerial Inspection Records:	July 28, 2019	24 images on Sharper Shape
VM Inspection:	March 15, 2022	Routine VM inspection nothing noted
EVM Inspection:	N/A	Not previously in EVM Scope
Equipment Test:	N/A	
Pole Intrusive Test:	April 29, 2021	Test and treat- pole SAP ID'# 102180038 -passed
WSIP Inspection:	May 15, 2019	No compelling or abnormal conditions noted

*Incident Location: in between pole SAP ID's: 102180089 and 102180038.

Hazard Barrier Analysis:

Hazard	Downed Tree				
Target	Fallen tree contacting PG&E assets				
Barrier	**Objective**	**Expected Performance**	**Did Barrier Perform as Expected**	**Did Barrier Contribute to Incident**	**Defect**
Patrol & Inspection (P&I) Records	Identify any nonconformances with poles or lines.	Inspection or patrol would identify any issues with PG&E equipment.	Yes	No	No compelling or abnormal conditions noted in either 2019 or 2021 inspections
Wildfire Safety Inspection Program (WSIP) Inspections in	Identify any nonconformances with structures in HFTD	Inspection would identify any issue with PG&E equipment.	Yes	No	No compelling or abnormal conditions noted in 2019

high fire threat districts (HFTD)					WSIP inspection
Tree Mortality (Formerly CEMA) Inspections	Identify dead or dying trees that could fall into primary or secondary PG&E facilities	Inspection would identify any dead or dying trees and mark them for removal.	N/A		Incident trees not on a tree mortality inspection record
Vegetation Management (VM) Inspection (Routine)	Identify any trees that need work	Inspection would identify any vegetation that could cause a potential hazard.	Yes	No	Nothing noted on March 2022 routine VM inspection
Enhanced Powerline Safety Settings (EPSS)	De-energize sections of the distribution grid when a fault is experienced to make the line safe.	De-energize sections of the distribution grid until restored after visual inspection.	N/A	N/A	Point Arena 1101 not enabled with EPSS settings at time of incident
Enhanced Vegetation Management (EVM) Risk Inspection	Identify any trees that do not meet the state standards for minimum clearance around the power lines.	Trimming overhanging limbs & branches directly above & around the lines. Targeted removal of dead & dying trees as well as certain species that pose an increased potential risk of falling into power lines.	N/A	N/A	There was no EVM data related to incident area coordinates

Potential Next Steps / Associated CAP Items:

- Up to 100 trees including the 24 identified in the EOC patrol have been assigned an accelerated work code and are currently being worked under order number 35351568,tree work packet # 458129.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.

Single Line Diagram:

[redacted]

LEGEND

Substation Fuse Line Recloser Area of Interest

Photos and Diagrams of Events:



This image shows smoke from a wife along Highway 1, south of Point Arena, in Mendocino County Friday, May 20, 2022. (Alert Wildfire camera)

Figure 1 PG&E's alert wildfire camera detects the initial smoke from the May 20, 2022 Owens fire incident.

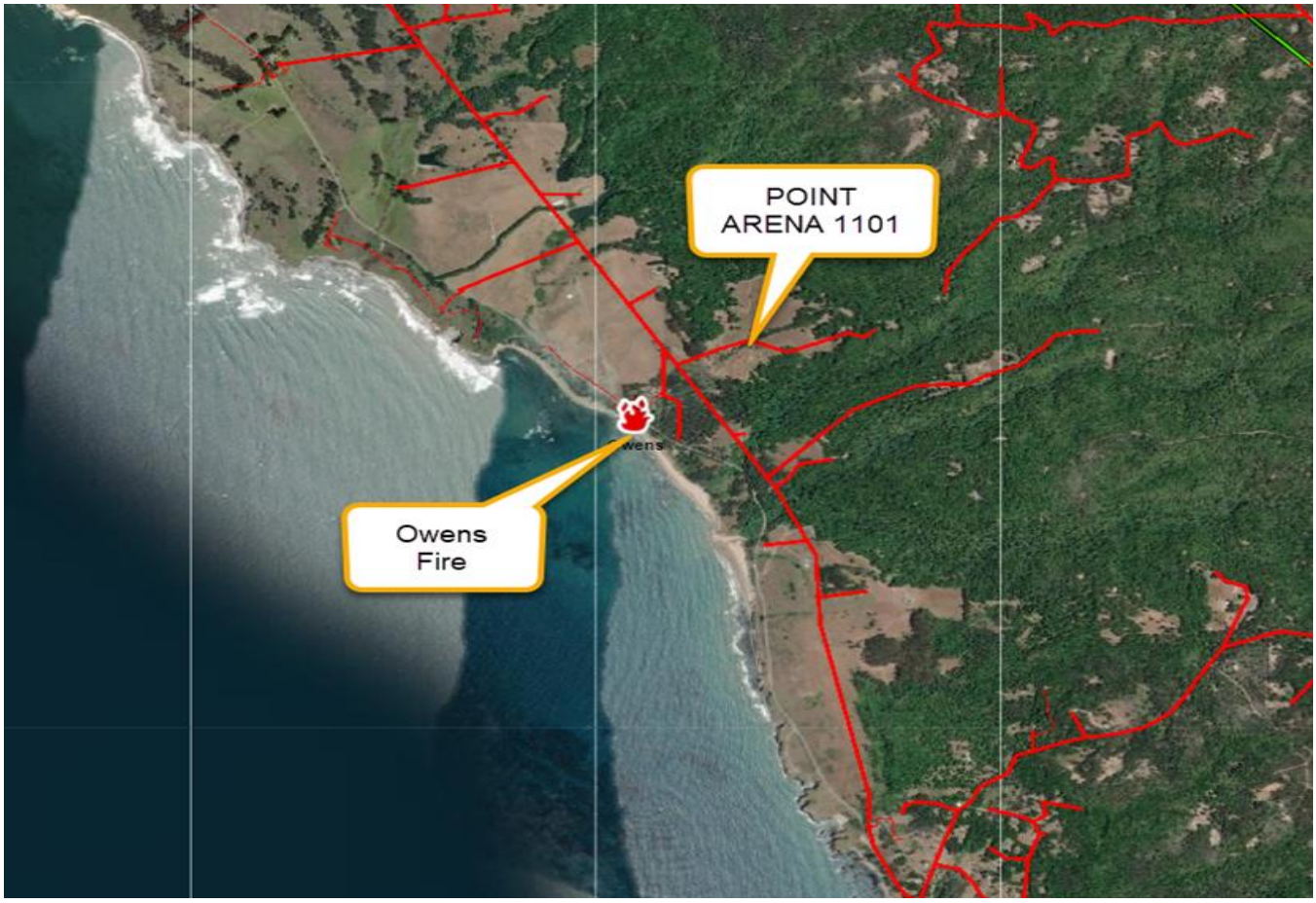


Figure 2 Diagram of Point Arena 1101 12 kV circuit and approximate location of the Owen's fire incident.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 3 Google Earth image overview of Owen's fire incident area with yellow arrow on top pointing to pole SAP ID # 102180089 and bottom yellow arrow pointing to pole SAP ID # 102180038.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 4 Photo taken by responding troubleman showing active fire burning along Highway 1.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 5 Photo taken by responding troubleman showing pine trees down and visible uprooted root ball.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 6 Photo taken during site visit with yellow arrows pointing towards the overhead conductor and proximity to standing vegetation.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 7 Photo showing burn scar area facing Northeast between two poles, with tree down and yellow arrow pointing to lines overhead.



Figure 8 Photo showing that fire jumped State Highway 1 near Bill Owens Road, Point Arena and burned on both sides of Highway 1.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 9 Photo taken by VM team showing close up of uprooted Bishop Pine trees.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 10 Photo taken by VM team showing close up of root ball with puddle of water in the vacancy of the tree roots.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.



Figure 11 Photo taken by VM team showing root structure of subject trees.

This report is preliminary and based on available information as of June 03,2022; event data is subject to change based upon subsequently discovered information.

Extent of Condition Patrol Area Circled in Red

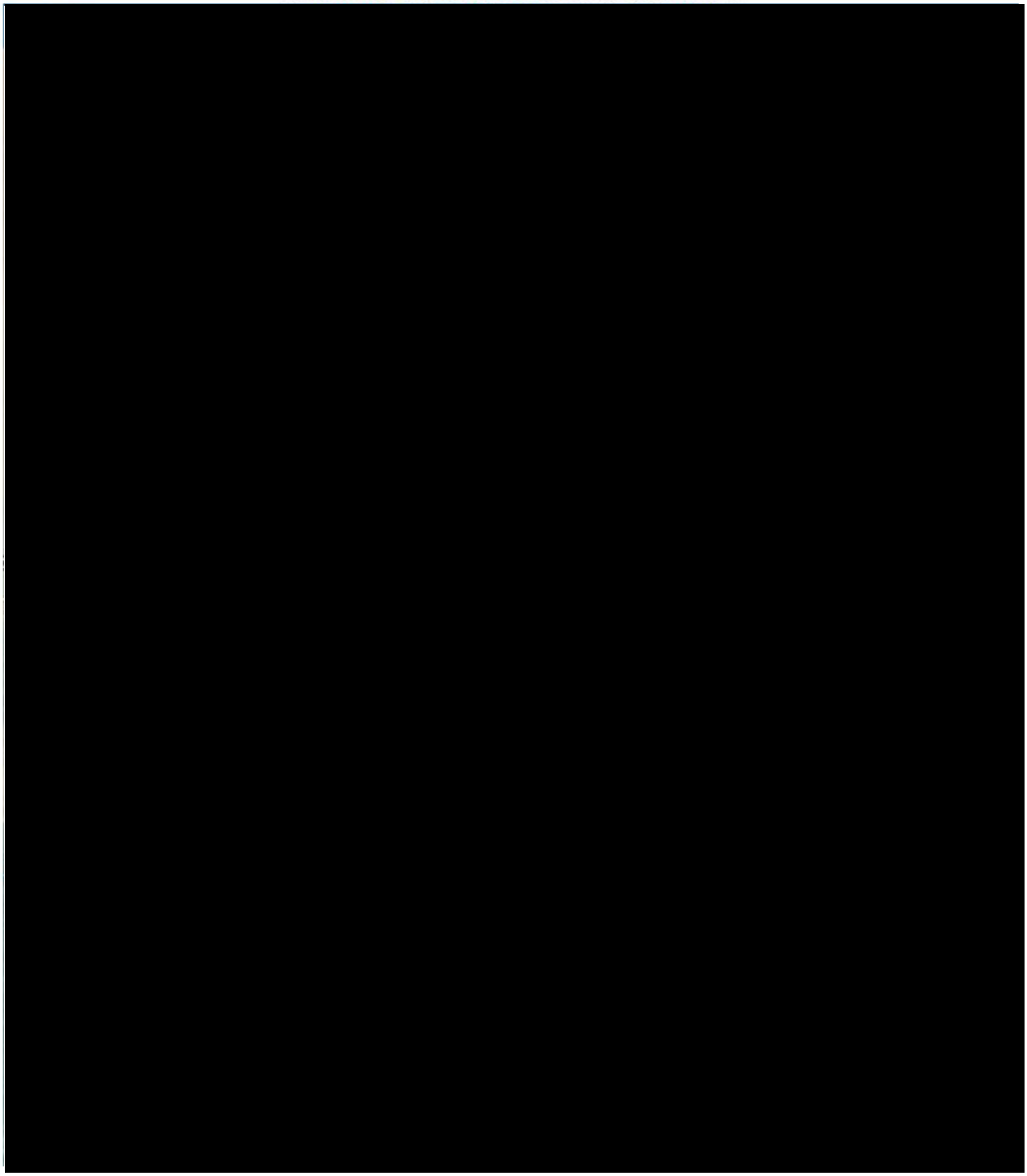


Figure 12 Photo taken during Extent of Condition VM Patrol which identified at least 24 additional trees needing to be worked.



Figure 13 July 9, 2021 pre-ignition incident inspection photo of pole SAP ID # 102180089 on the left and 2019 WISP inspection of pole SAP ID # 102180038 on the right.

Attachments:

Attachments and references are located in the ESA folder, located below:

[redacted]

----------END of REPORT----------

PACIFIC GAS AND ELECTRIC COMPANY
PG&E Reference Number: EI220520A
Electric Incident - 20 Day Report

Incident Reporting Dates
Date and Time of Incident: May 20, 2022 at 1445 hours
Date and Time Incident Determined Reportable: April 30, 2024 at 1630 hours
Date & Time CPUC Notified: April 30, 2024 at 1650 hours
Reported To: California Public Utilities Commission
Reporting Method/CPUC Recipient: Website
CPUC Telephone Number: 1-800-235-1076
Reported By: PG&E
PG&E Telephone Number: 415-828-5765
Date Initial Report Sent to CPUC: April 30, 2024
Date 20 Day Report Sent to CPUC: May 29, 2024

Incident Reporting Criteria	
	Injury/Fatality: An incident which results in a fatality or personal injury to an employee or 3rd party person resulting in overnight in-patient hospitalization, regardless of whether electric contact occurred.
	Public Attention/Media: An incident that is subject to significant public attention and/or media coverage.
X	***Property Damage:*** A single electric incident where the property damage to PG&E and/or 3rd parties exceeds or is expected to exceed $50,000 and is caused (in whole or in part) by PG&E owned electric facilities.
	Operator Judgement: Any incident that is significant in the judgment of the operator, even though it may not meet the incident reporting criteria, may be reportable.

Incident Detail	
Location of Incident: East of Bill Owens Road & Highway 1	
City: Point Arena	
Division: Humboldt	**County:** Mendocino
Circuit/Facility: Point Arena 1101	**Voltage:** 12kV
Service Interrupted (Date and Time): May 20, 2022, at 1445 hours	
Service Restored (Date and Time): May 21, 2022, at 1910 hours	
Total Customers Affected: 40	

PACIFIC GAS AND ELECTRIC COMPANY
PG&E Reference Number: EI220520A
Electric Incident - 20 Day Report

Description of Incident:

On May 20, 2022 at 1445 hours, PG&E Distribution Control Centers ("DCC") received alarms indicating an outage on the Point Arena 1101 (12kV) Primary two phase Overhead Distribution Circuit when line recloser 83354 opened, resulting in approximately 40 customers out of power. PG&E dispatched a troubleshooter at 1450 hours to the intersection of Highway 1 and Owens Road ("Incident Location"), a Tier 2 HFTD, to investigate the outage. At 1520 hours, the troubleshooter arrived at the Incident Location and advised the DCC of "wires down and an active fire" and CAL FIRE on scene working to extinguish the fire.

The troubleshooter observed that two of two phases on a single span had been struck by vegetation and were on the ground. The troubleshooter confirmed with the DCC that the lines were deenergized and cut the two downed lines in the clear, making the area safe for continued fire suppression. The troubleshooter found that multiple trees had fallen at the Incident Location and were laying on top of both the downed wires.

The troubleshooter staged nearby while CAL FIRE continued suppressing the fire in case the troubleshooter needed to deenergize additional PG&E equipment. CAL FIRE contained the fire at 36 acres while suppression and cleanup activities continued through the night and into the next morning.

At 2050 hours, the troubleshooter created an Electric Corrective ("EC") Notification to replace the downed conductors as a result of the incident. On May 21, 2022, at 0545 hours, PG&E dispatched a repair crew to complete the repairs. The repair crew replaced two spans of damaged conductor and associated hardware. At 1110 hours, PG&E isolated the outage and reenergized 26 customers by opening a set of nearby fuses and closing the recloser. The remaining customers were reenergized at 1910 hours once all the repairs were completed and fire personnel were no longer in the area.

According to PG&E Meteorology, the weather conditions at the time and location of the incident were: temperature 54.1 degrees, relative humidity 67%, wind speed 19.8 MPH out of the west northwest and a wind gust of 29.3 MPH.

The most recent GO 165 patrol of the Incident Location was completed on August 24 2020, and no abnormal conditions were identified. The most recent GO 165 inspection of the Incident Location was completed on July 9, 2021, and no abnormal conditions were identified. The most recent vegetation management ("VM") inspection of the Incident Location was completed on March 15, 2022. No issues were identified as a result of this inspection. The incident trees did not appear on any VM Routine Inspection records. PG&E reviewed the last five years of maintenance and repairs for the Incident Location and identified one notification on July 19, 2021, for the repair of a conductor and to remove vegetation that was over hanging the lines. This was completed on July 22, 2021.

The VM team conducted a post-fire incident investigation and found that the incident involved a cluster of three, live, Bishop Pine trees, which uprooted at their base due to the wind and struck the primary conductor. The three tree sizes were listed as 22-inch, 24-inch and 25-inch Diameter at Breast Height (DBH) and the heights were unknown due to fire personnel cutting/bucking them during suppression activities (VM Distribution Outage Report completed on May 23, 2022, measured the tree height as 88-feet). The tree to conductor clearance was also listed as unknown however, the bases of the subject trees were approximately 25-30 feet from the conductor. The pine trees were shallow-rooted and failed at their base and the root structures tipped up with the trunk of the trees. The soil condition around the failed trees was very wet with poor drainage, saturated soils, and puddles were evident around the site. The crowns of the failed trees all had green needles and appeared to be healthy.

PG&E reported this incident to the CPUC on April 30, 2024 under the property damage criterion when PG&E Law-Claims received property damage claim estimates in excess of $50,000 as a result of this incident. No equipment was collected or retained by CAL FIRE or PG&E.

PG&E's Electric Incident Investigation team has concluded its investigation into this incident and determined that because of high winds vegetation fell into our lines, which caused the vegetation fire. PG&E may reopen the investigation if further evidence is presented. All times, customer numbers and measurements mentioned in this report are approximate. PG&E is fully cooperating and communicating with external agencies as required.

Attachments:

- DRU13495_Atch01_2019 GO165 patrol records_CONF.pdf
- DRU13495_Atch02_2020 GO165 patrol records_CONF.pdf
- DRU13495_Atch03_2017 GO165 inspection records_CONF.pdf
- DRU13495_Atch04_2021 GO165 inspection records_102180038_CONF.pdf
- DRU13495_Atch05_2021 GO165 inspection records_102180089_CONF.pdf
- DRU13495_Atch06_EC tag_123654213_CONF.pdf
- DRU13495_Atch07_22-0064633_CONF.pdf
- DRU13495_Atch08_Photos.pdf
- DRU13495_Atch09_Fire Report_CONF.pdf
- DRU13495_Atch10_Incident Map_CONF.pdf
- DRU13495_Atch11_VM Distribution Outage Report_CONF.pdf
- DRU13495_Atch12_VM Incident Report Form_CONF.pdf
- DRU13495_Atch13_PIIR_643_Final.R0_CONF.pdf

PACIFIC GAS AND ELECTRIC COMPANY
PG&E Ref. DRU13824-Electric Incident-EI220520A-Point Arena-Property Damage- 2022 Owens
Data Request
CPUC ESRB-SED
Requester DR No. Data Request SED-PG&E-01 Owens Fire

Requester: Fisher, Emily; Lally, Jasdeep
Request Date: June 17, 2024
Response Date: July 24, 2024

Question No. 014:

Provide the following regarding vegetation management inspections:

a. A list of all vegetation management inspections the Utility conducts, with a brief description of each type of inspection.
b. Copies of the five most recent vegetation management inspections conducted on the Spans of Interest, including branch line connections, from five years before the Incident Date through the Incident Date.
c. Include all findings, any notifications resulting from the inspections, and any work orders, including Documents verifying completion of work orders, generated by findings from the inspections requested in sub-part (b) of this question.

Response to Question No. 014 Response No. 001:

a. Please see below for a list of vegetation management inspections that we conducted on the spans of interest as of the Incident Date:

   - Annual Local Maintenance/Routine Patrol: Annual Patrol inspects all overhead electric distribution primary and secondary conductors (including idle lines), and facilities (excluding service drops).
   - Bi-Annual Second Patrol (previously known as CEMA): Second patrol inspects all overhead electric distribution primary and secondary conductors (including idle), and facilities (excluding service drops) within defined geographic areas.

b. Please see PGE-CPUC-OWENS_00000115 for inspection data for five years preceding the Incident Date.

c. We will supplement this response to provide the associated work orders.

PACIFIC GAS AND ELECTRIC COMPANY
PG&E Ref. DRU15526-Electric Incident-EI220520A-Point Arena-Property Damage-2022 Owens Fire
Data Request CPUC ESRB-SED
Requester Event Ref. No. 240430-15787
Requester DR No. SED-03-Owens Fire

Requester: Lally, Jasdeep; Fisher, Emily
Request Date: April 15, 2025
Response Date: April 22, 2025

Question No. 004:

Provide the Fire Potential Index (FPI) rating for the Incident Date.

Response to Question No. 004 Response No. 001:

The FPI on the Incident Date was R1.

PACIFIC GAS AND ELECTRIC COMPANY
PG&E Ref. DRU16156-Electric Incident-EI220520A-Point Arena-Property Damage-2022 Owens Fire
Data Request CPUC ESRB-SED
Requester Event Ref. No. 240430-15787
Requester DR No. SED-04-Owens Fire

Requester: Lally, Jasdeep; Fisher, Emily
Request Date: July 29, 2025
Response Date: August 05, 2025

Question No. 002:

Did PG&E request a Rule 18 exemption for Electrical Corrective Notification (EC Tag) #12160597? If so, provide relevant documentation.

Response to Question No. 002 Response No. 001:

PG&E acknowledges that it did not request an exemption under GO 95 Rule 18 with B-Priority Electric Corrective (EC) Notification 121690597. The notification was subsequently replaced with X-Priority EC Notification 131309293 on June 03, 2025. The pole and associated equipment attachments were replaced on June 04, 2025. EC Notification 121690597 was then cancelled on June 05, 2025. PG&E does not believe the overdue EC Notification is causally linked to the origin of the Owens Fire, and it was not associated to the incident span. Refer to PGE-CPUC-OWENS_00000689.pdf, for EC Notification 121690597 and PGE-CPUC-OWENS_00000696.pdf, for EC Notification 131309293. Please note that the attachments contain confidential information.[1]

[1] Please note that EC Notification "12160597" referenced in ESRB's response appears to contain a typographical error. The correct notification number is '121690597'. Additionally, PG&E identified EC Notification 121690597 on March 11, 2025, as part of DRU13495 - PG&E's Notice of Violation (NOV) response unrelated to the Owens Fire. The notification was included in the submitted population of records to ESRB as Attachment "*Updated Appendix B 3-11-25.xlsx*".

Electric Overhead Tag

Notification #: 121690597

Priority: E **Sub Priority:**

PM Order #:

Date Identified: 07/09/2021

Date Required: 07/09/2022

Identified in Field By:	[redacted]	Plat:	Y04
Street Address:	[redacted]	Circuit:	04338-1101, POINT ARENA
		SSD:	5139
City:	Point Arena	Equipment #:	
Cross Street:		Pin #:	_____
Division:	Humboldt	Pole #:	_____
Latitude:	[redacted]	OIS #:	_____
Longitude:	[redacted]	SAP Func. Location:	ED.46-Y040000000.STRU.POLE
Description:	POLE_BROK_REPL - [redacted] Arena	SAP Equipment:	102180103
		Accessibility Tier:	

Item Details

	Facility Type	Damage	Cause	Action
Item 1	POLE Pole	BROK Broken/Damaged		REPL Replace

☐ Completed ☐ Canceled

☒ Pole Test Sheet

User Status

Conductor/Operating Information		Field Identification		Field Condition (Exposure)		Field Condition (Accessibility)		Other	
Status	**Description**	**Status**	**Description**	**Status**	**Description**	**Status**	**Description**	**Status**	**Description**
PRI	Primary	INSP	Inspection	FRAB	HFRA Within Both			ESTR	Estimate Required
OH	Overhead			TER2	Tier2 Wildfire			SR22	Field Safety Reassessment-202
				FMOB	Submitted from Mobile			SR23	Field Safety Reassessment-202

Job Estimates

Est. Total Hrs. to Complete: 18

Est. Electric Crew Size: 03

WTC: 311, 07D_Pole Replacement

Main Work Center: FTBRAGG, Fort Bragg

Gas Crew Size: 00

MAT:

Funded Repair Date:

Issued To

Reviewed By: _____

Date of Field Review: _____

Completed or Canceled in Field By (LAN ID): ☐☐☐☐

If No LAN ID Last Name, First Name: _____

Complete or Cancel Date: _____ Actual Hours: _____ *Check One: PG&E Crew ☐ T-Man ☐ Contractor ☐

*Check One: Completed ☐ Canceled ☐ Found Completed Upon Arrival ☐

Signature: _____

I verify that all maintenance on this notification is addressed (completed, canceled, or found completed upon arrival)

***Public Safety & Regulatory Reviewer: If notification was canceled, check one (required):**

☐ **CONV:** Converted to another Notif-Type

☐ **DUMM:** "Dummy" for order only

☐ **DUPL:** Duplicate EC for Same Location

☐ **EROR:** Created in Error (Desk Cancelation)

☐ **NCOA:** All Found Completed/Resolved on Arrival

☐ **NOCR:** No Compelling/Regulator Condition Exist

☐ **PROG:** Completed under another Program

List of Tasks on Notification

Electric Overhead Tag

Notification #: 121690597

PM Order #:

Priority: E **Sub Priority:**

Date Identified: 07/09/2021 **Date Required:** 07/09/2022

Field Comments:

Comments

07/09/2021 12:33:55 PST INSPECTCPIC (INSPECTCPIC)
Pole is rotten and decayed from top to bottom. Needs changed out
07/10/2021 04:11:09 PST BCH_WMCHKLST (BCH_WMCHKLST)
Notification triggered from Inspection Lot#[140001606034] & ref
#[inspectchecklist-[redacted]-2021-07-09T19:31:14Z]
04/13/2022 01:18:05 PST [redacted]
04/13/2022_Submitted by [redacted]WO0000001364277:
Add 2022 FSR User Status = SR22 to the attached 2022 Required FSRs
05/16/2022 03:40:12 PST [redacted]
05/16/2022_submitted by [redacted])_Job Owner Update to [redacted] -
[redacted] (2nd step)_WO0000001392037
08/16/2022 13:09:53 PST INSPECTCPIC (INSPECTCPIC)
Safety Reassessment
Inspected by: [redacted]
Field Submission Date/Time: Aug 16, 2022 at 12:02 PM
Suggested New Due Date: Aug 17, 2023
004-22. Condition needs to be addressed within the next 60 months
Comments: Pole has shell rot all over And has been hit in two spots
Additional Comments: Field Safety Assessment completed for Tier 2/3 EC
notifications that are not in 2022 work execution plan or scheduled
for detailed inspection
06/16/2023 11:26:33 PST [redacted]
06/16/2023_Submitted by_[redacted] WO0000001884746:
Add EC User Status "SR23" to the Attached 2023 Required FSRs.
08/05/2023 14:01:05 PST [redacted] UPDATED JOB OWNER FROM [redacted]
TO [redacted]
09/29/2023 10:38:26 PST INSPECTCPIC (INSPECTCPIC)
Safety Reassessment
Inspected by: [redacted]
Field Submission Date/Time: Sep 29, 2023 at 10:37 AM
Suggested New Due Date: Sep 30, 2024
FG05-2023 - Condition needs to be addressed within the next 12 months
Comments: Conditions addressed by inspection and FSR are still present

and are in need of repairs.

Additional Comments: Field Safety Assessment completed for Tier 2/3 EC notifications that are not in 2023 work execution plan or scheduled for detailed inspection

FDA		New	Priority	Comp
Anchor				
Broken/Damaged	Repair		F	
	Replace		F	
Corroded	Repair		F	
	Replace		F	
Missing	Install		F	
Soil/Eroded/Graded	Adjust		F	
	Replace		F	
Animal Mitigation				
Broken/Damaged	Replace		E	
Mitigation Missing	Install		E	
Bird Protection				
Bird Protection	Install		E	
	Replace		E	
Bonding				
Broken/Damaged	Repair		E	
Missing	Install		E	
CB Pole				
Broken/Damaged	Replace		F	
Burnt	Replace		E	
Decayed/Rotten	Replace		F	
Buddy Pole				
Improperly Supported	Repair		E	
Booster/Regulator				
Broken/Damaged	Repair		E	
	Replace		E	
Burnt	Repair		E	
Excessive Operation	Overhaul		E	
Leaks/Seeps/Weeps	Clean		E	
	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Capacitor				
Broken/Damaged	Repair		E	
	Replace		E	
Burnt	Repair		E	
	Replace		E	
Leaks/Seeps/Weeps	Clean		B	
	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Climbing Space				
Obstructed	Adjust		F	

FDA		New	Priority	Comp
Conductor				
Broken/Damaged	Repair		E	
	Replace		E	
Broken Splice	Replace		B	
Burnt	Repair		E	
	Replace		E	
Clearance Impaired	Adjust		E	
	Install CL Pole		E	
	RayChem		E	
Floater	Repair		E	
Idle Facilities	Remove		E	
Improper Connection	Adjust		E	
Loose Lashing	Repair		E	
Overloaded	Test		E	
Sag/Clearance	Adjust		E	
	Replace		E	
	Install Spreader Bracket		E	
Splice Tied In	Replace		E	
Temp Differential	Replace		E	
Connector				
Burnt	Replace		E	
Corroded	Repair		E	
	Replace		E	
COPPER OVER ALUMINUM	Replace		E	
Incorrectly Installed	Replace		F	
Insulation Deteriorated	Repair		E	
TAP CLAMP W/EQUIPM	Replace		E	
Temp Differential	Replace		E	
Crossarm				
Broken/Damaged	Repair		E	
	Replace		E	
Burnt	Repair		E	
	Replace		E	
Decayed/Rotten	Repair		E	
	Replace		E	
Cutout				
Broken/Damaged	Repair		E	
	Replace		E	
Clearance Impaired	Adjust		E	
Flashed	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Deadend Cover				
Broken/Damaged	Repair		F	
	Replace		F	
Decorative Streetlight				
Broken/Damaged	Replace		E	
Missing	Install		E	
Fault Indicators				
Broken/Damaged	Replace		E	
Fuse				
Broken/Damaged	Repair		E	
	Replace		E	
Clearance Impaired	Adjust		E	
Flashed	Repair		E	
	Replace		E	
Temp Differential	Replace		E	

FDA		New	Priority	Comp
Ground				
Broken/Damaged	Repair		B	
	Replace		B	
Exposed	Repair		F	
Missing	Install		E	
Temp Differential	Replace		E	
Guy				
Broken/Damaged	Repair		F	
	Replace		F	
Clearance Impaired	Adjust		F	
Corroded	Repair		F	
	Replace		F	
Loose	Adjust		F	
Missing	Install		F	
Overgrown	Trim		E	
Strain/Abrasion	Adjust		F	
	Remove		F	
Guy Marker				
Missing	Install		F	
	Replace		F	
Hardware/Framing				
Bird Prot Required	Install		E	
Birdcage	Install		E	
Broken/Damaged	Remove		E	
	Repair		E	
	Replace		E	
Loose	Adjust		E	
Missing	Install		E	
High Sign				
Broken/Damaged	Replace		F	
Missing	Install		F	
Insulator				
Broken/Damaged	Replace		E	
Flashed	Replace		E	
Primary Squatter	Repair		E	
	Replace		E	
Secondary Squatter	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Jumper				
Burnt	Replace		E	
Clearance Impaired	Adjust		E	
	Replace		E	
Temp Differential	Replace		E	
LAPP Insulator				
Broken/Damaged	Replace		E	
Lightning Arrester				
Broken/Damaged	Repair		E	
	Replace		E	
Flashed	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Marking				
Broken/Damaged	Replace		F	
Missing	Install		F	
Molding				
Broken/Damaged	Repair		F	
	Replace		F	
Loose	Adjust		F	
Missing	Install		F	

FDA		New	Priority	Comp
OH Facility				
Bird Prot Required	Install		E	
Customer Related	Access		B	
	Appointment		B	
	Refusal		B	
Graffiti	Paint		E	
Idle Facilities	De-Energ		E	
	Remove		F	
	Transfer		F	
Limited Access	Inspect		B	
	Patrol		E	
	Remove		E	
Bird Nest	Remove		E	
Obstructed	Inspect		B	
	Remove		E	
	Replace		B	
Transmission Issue	Create LC		B	
Operating Number				
Broken/Damaged	Replace		E	
Missing	Install		E	
Pole				
Broken/Damaged	Re-Frame		E	
	Repair		E	
	Replace	X	E	
	Pole Stub		E	
Burnt	Repair		E	
	Replace		E	
	Pole Stub		E	
Clearance Impaired	Repair		E	
	Replace		E	
Decayed/Rotten	Pole Top Repair		E	
	Repair		E	
	Replace		E	
	Pole Stub		E	
Idle Facilities	Remove		F	
Leaning	Adjust		E	
	Replace		E	
Overloaded	Replace		E	
	Test		E	
No Safe Access to Pole	Inspect		B	
Soil/Eroded/Graded	Replace		E	
Woodpecker Damage	Repair		E	
	Replace		E	
Recloser/Sectionalizer				
Broken/Damaged	Repair		E	
	Replace		E	
Excessive Operation	Overhaul		E	
Flashed	Repair		E	
	Replace		E	
Leaks/Seeps/Weeps	Clean		E	
	Repair		E	
	Replace		E	
Temp Differential	Replace		E	

EMERGENCY ONLY Check Cause (Required)			
☐	Animal	☐	Bird
☐	Equip Failed	☐	Fire
☐	Lightning	☐	Pole Rotten
☐	Third Party	☐	Tree Branch
☐	Tree Contact	☐	Tree Fell
☐	Unknown	☐	

All FDA's identified in field
Priority = Default Priority for B, E, G, & F-Regulatory FDA's
Comp = Check if completing FDA in Field

Printed By: [redacted] 07/20/2024

Electric Overhead Tag

Notification #: 121690597

PM Order #:

Priority: E **Sub Priority:**

Date Identified: 07/09/2021

Date Required: 07/09/2022

FDA		New	Priority	Comp
Riser/Pothead				
Broken/Damaged	Repair		E	
	Replace		F	
Installed in Error	Relocate		E	
Flashed	Repair		E	
	Replace		F	
Temp Differential	Replace		E	
ROAD				
No Safe Access to Pole	Repair		B	
Relinquished Pole				
Decayed/Rotten	Remove		E	
RTVI				
Interference	Repair		E	
	Replace		E	
SCADA/PDAC				
Broken/Damaged	Repair		F	
	Replace		F	
Leaks/Seeps/Weeps	Repair		F	
	Replace		F	
	Test		B	
Steel Lattice Pole				
Guarding Missing	Install		E	
Sec_Svc Conductor				
Splice Installed	Replace		F	
Pole Step				
Clearance Impaired	Remove		F	
Streetlight				
Broken/Damaged	Repair		E	
	Replace		E	
Missing	Install		E	
Steel Lattice Tower				
Broken/Damaged	Replace		E	
Switch				
Broken/Damaged	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Tap Clamp				
Overloaded	Replace		E	
Trans_Dist Pole				
Bridging Broken	Repair		E	
Bridging Missing	Install		E	
Bonding Missing	Install		E	
Bonding Broken	Repair		E	
Tie Wire				
Broken/Damaged	Replace		E	
Corroded	Replace		E	
Improperly Installed	Replace		E	
Loose	Replace		E	
Temp Differential	Replace		E	

Electric Overhead Tag

Notification #: 121690597

PM Order #:

Priority: E **Sub Priority:**

Date Identified: 07/09/2021

Date Required: 07/09/2022

FDA		New	Priority	Comp
Transformer				
Broken/Damaged	Repair		E	
	Replace		F	
Corroded	Replace		E	
Flashed	Repair		E	
	Replace		E	
Idle Facilities	Remove		F	
No Common Neutral	Relocate		E	
Overloaded	Test		E	
Parallel	Replace		E	
Leaks/Seeps/Weeps	Clean		B	
	Re-Check		B	
	Repair		F	
	Replace		E	
Temp Differential	Replace		E	
Tree/Vine				
Clearance Impaired	Remove		E	
	Trim		E	
Decayed/Rotten	Install CL Pole		E	
Overgrown	Remove		E	
	Trim		E	
Tree Connect	Assessment		B	
	Install CL Pole		E	
Trip Saver				
Broken/Damaged	Repair		E	
	Replace		E	
Tree Wire				
Exposed	Repair		F	
Under-Arm Bus				
Broken/Damaged	Repair		F	
Visbility Strip				
Broken/Damaged	Replace		F	

EventId	EventSever	EventCateg	EventNam	EventDesc	Feeder	SP_Lat	SP_Long	CGC_Nbr	Src_Side_D	Event_TS_F	EventTextD	EventText	Group	Protocol	FurtherExp	Remediatic	Trigger	Template	EventLogId	Insert_TS_PT
15096	INFORMAT	[redacted]						2.15E+11	5165	########	Sag Count:	{{2}{151}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	5165	########	Sag Count:	{{1}{153}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	5165	########	Sag Count:	{{1}{163}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{184}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{185}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{2}{177}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{179}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{178}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{179}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{3}{182}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{185}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	715263	########	Sag Count:	{{3}{114}{11	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	715263	########	Sag Count:	{{1}{117}{11	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{3}{189}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{192}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{3}{189}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{192}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{194}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	6459	########	Sag Count:	{{1}{195}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	3531	########	Sag Count:	{{3}{169}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	3531	########	Sag Count:	{{1}{172}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.64E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.64E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.65E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.64E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.64E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.64E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.64E+09	########
300080	WARNING							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter	{0}, c	9.64E+09	########
300081	CLEAR							2.15E+11	3445	########	Meter 00:1	{{00135001	MT	GMI			Meter	{0}, c	9.64E+09	########
15096	INFORMAT							2.15E+11	5165	########	Sag Count:	{{1}{160}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	3531	########	Sag Count:	{{3}{119}{11	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	3531	########	Sag Count:	{{1}{122}{11	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	3531	########	Sag Count:	{{1}{104}{10	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	3531	########	Sag Count:	{{1}{105}{10	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	5165	########	Sag Count:	{{3}{157}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT							2.15E+11	5165	########	Sag Count:	{{1}{160}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########

15096	INFORMAT	[redacted]	2.15E+11	3531	########	Sag Count: {{3}{110}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{134}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{135}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{3}{170}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{173}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1 {{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{3}{167}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{170}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{167}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{168}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########

15096	INFORMAT	[redacted]	2.15E+11	3531	########	Sag Count: {{1}{168}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{169}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{172}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{173}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{169}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	2671	########	Sag Count: {{3}{232}{23	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300081	CLEAR		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	2671	########	Sag Count: {{1}{235}{23	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	2671	########	Meter 00:1 {{00135001	MT	GMI				Meter {0}, c	9.65E+09	########
15095	INFORMAT		2.15E+11	1363	########	Power Failu {{3}{238}{24	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
300104	ERROR		2.15E+11	2653	########	Meter 00:1 {{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	2653	########	Meter 00:1 {{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{161}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{162}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2647	########	Sag Count: {{2}{91}{93}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2647	########	Sag Count: {{1}{84}{85}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2647	########	Sag Count: {{2}{91}{93}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2647	########	Sag Count: {{1}{84}{85}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2647	########	Sag Count: {{1}{36}{37}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2647	########	Sag Count: {{1}{37}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	4389	########	Sag Count: {{3}{174}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	4389	########	Sag Count: {{1}{177}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{3}{61}{64}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{1}{64}{65}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	6467	########	NIC power {{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
12042	WARNING		2.15E+11	6467	########	NIC detect {{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
100013	INFORMAT		2.15E+11	6467	########	Device 00:: {{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	6467	########	NIC Power {{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	6467	########	NIC time se {{36}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{3}{152}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{1}{155}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	6467	########	NIC power {{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	6467	########	Device 00:: {{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12042	WARNING		2.15E+11	6467	########	NIC detect {{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
100007	CLEAR		2.15E+11	6467	########	NIC Power {{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	6467	########	NIC time se {{43}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{1}{82}{83}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{1}{83}{84}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	6467	########	NIC power {{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	6467	########	Device 00:: {{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	6467	########	NIC Power {{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########

12022	INFORMAT	[redacted]	2.15E+11	6467	########	NIC time s	{{23}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
12042	WARNING		2.15E+11	6467	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count:	{{1}{216}{2	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	6467	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	6467	########	Device 00:	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	6467	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	6467	########	NIC time s	{{19}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
12042	WARNING		2.15E+11	6467	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count:	{{1}{206}{2	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	6467	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	6467	########	Device 00:	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	6467	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	6467	########	NIC time s	{{27}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
12042	WARNING		2.15E+11	6467	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count:	{{2}{98}{10	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count:	{{1}{100}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	6467	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	6467	########	Device 00:	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
12042	WARNING		2.15E+11	6467	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
100007	CLEAR		2.15E+11	6467	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	6467	########	NIC time s	{{34}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.65E+09	########
15096	INFORMAT		2.15E+11	9291	########	Sag Count:	{{1}{153}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5755	########	Sag Count:	{{1}{151}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12007	ERROR		2.15E+11	5755	########	Last Gasp -	{{0013500	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	5755	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	5755	########	Device 00:	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12042	WARNING		2.15E+11	5755	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
12022	INFORMAT		2.15E+11	5755	########	NIC time s	{{30}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
100007	CLEAR		2.15E+11	5755	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
15096	INFORMAT		2.15E+11	83354	########	Sag Count:	{{1}{185}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	83354	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	83354	########	Device 00:	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12042	WARNING		2.15E+11	83354	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
12022	INFORMAT		2.15E+11	83354	########	NIC time s	{{30}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
100007	CLEAR		2.15E+11	83354	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
15096	INFORMAT		2.15E+11	7527	########	Sag Count:	{{3}{158}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	7527	########	Sag Count:	{{1}{161}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	7527	########	Sag Count:	{{1}{6}{7}}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12074	ERROR		2.15E+11	563	########	NET_MGM1	{{NET_MGM	NIC	GMI	This happe	Check cert	Logged as s	{0} failed c	9.65E+09	########
12053	INFORMAT		2.15E+11	2647	########	Error occur	{{0013500	NIC	GMI	The meter's	NIC will ret	NICs failur	Error occur	9.65E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{1}{189}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{1}{176}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{1}{183}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{1}{184}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{1}{108}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{1}{109}{1	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{2}{85}{87}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{87}{88}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6799	########	Sag Count:	{{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########

15096	INFORMAT	[redacted]	2.15E+11	3531	########	Sag Count: {{1}{177}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{178}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{3}{180}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{183}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{166}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{162}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{164}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{158}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{3}{183}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{186}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{2}{181}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{183}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{163}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{167}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{168}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{166}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5163	########	Sag Count: {{1}{155}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{161}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{3}{186}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{189}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{159}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{161}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{167}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5163	########	Sag Count: {{1}{155}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{3}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{168}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{160}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{161}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{3}{161}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{164}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{162}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{158}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{160}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{158}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{3}{163}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{166}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{168}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{169}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{165}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{166}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{157}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count: {{1}{140}{14	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2647	########	Sag Count: {{1}{82}{83}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########

15096	INFORMAT	[redacted]	2.15E+11	2647	########	Sag Count: {{1}{83}{84}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count: {{3}{179}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count: {{1}{182}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{169}{17	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{160}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{161}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{162}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{113}{11	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{114}{11	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	4389	########	Sag Count: {{1}{158}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	4389	########	Sag Count: {{1}{159}{16	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{132}{13	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{134}{13	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	9499	########	Sag Count: {{2}{47}{49}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	9499	########	Sag Count: {{1}{49}{50}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3003	########	Sag Count: {{2}{199}{20	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3003	########	Sag Count: {{1}{201}{20	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2671	########	Sag Count: {{1}{147}{14	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2671	########	Sag Count: {{1}{148}{14	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		1.00E+11	1296	########	Sag Count: {{3}{142}{14	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		1.00E+11	1296	########	Sag Count: {{1}{145}{14	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15097	INFORMAT		2.15E+11	476	########	Swell Cour	{{3}{253}{0}	Meter	GMI	The I-210+	The swell d	Power swe	Swell Coun	9.64E+09	########
15097	INFORMAT		2.15E+11	476	########	Swell Cour	{{3}{0}{3}}	Meter	GMI	The I-210+	The swell d	Power swe	Swell Coun	9.64E+09	########
15097	INFORMAT		2.15E+11	476	########	Swell Cour	{{1}{3}{4}}	Meter	GMI	The I-210+	The swell d	Power swe	Swell Coun	9.64E+09	########
15096	INFORMAT		2.15E+11	476	########	Sag Count: {{2}{213}{21	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15097	INFORMAT		2.15E+11	476	########	Swell Cour	{{7}{4}{11}}	Meter	GMI	The I-210+	The swell d	Power swe	Swell Coun	9.64E+09	########
15096	INFORMAT		2.15E+11	4465	########	Sag Count: {{3}{189}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	4465	########	Sag Count: {{1}{192}{19	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	47952	########	Sag Count: {{1}{91}{92}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6071	########	Sag Count: {{1}{208}{20	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{2}{183}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{185}{18	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
15096	INFORMAT		2.15E+11	6071	########	Sag Count: {{1}{52}{53}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
15096	INFORMAT		2.15E+11	6071	########	Sag Count: {{1}{71}{72}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6071	########	Sag Count: {{1}{158}{15	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6071	########	Sag Count: {{1}{128}{12	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
15096	INFORMAT		2.15E+11	6071	########	Sag Count: {{1}{84}{85}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########

12042	WARNING	[redacted]	2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.65E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.65E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.65E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.65E+09	########
12042	WARNING		2.15E+11	6071	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.65E+09	########
15096	INFORMAT		2.15E+11	478	########	Sag Count:	{{1}{118}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	478	########	Sag Count:	{{1}{119}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{2}{75}{77}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{77}{78}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count:	{{1}{116}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count:	{{1}{117}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2649	########	Sag Count:	{{3}{111}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2649	########	Sag Count:	{{1}{114}{1:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2671	########	Sag Count:	{{1}{96}{97}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{90}{91}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	2637	########	Sag Count:	{{3}{104}{1(	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2637	########	Sag Count:	{{2}{107}{1(	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3761	########	Sag Count:	{{1}{74}{75}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3761	########	Sag Count:	{{1}{75}{76}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{104}{1(	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	3003	########	Meter 00:1	{{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3003	########	Meter 00:1	{{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3003	########	Meter 00:1	{{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3003	########	Meter 00:1	{{0013500:	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3003	########	Meter 00:1	{{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3003	########	Meter 00:1	{{0013500:	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	6671	########	Sag Count:	{{2}{77}{79}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	83354	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
12007	ERROR		2.15E+11	83354	########	Last Gasp -	{{0013500:	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
100013	INFORMAT		2.15E+11	83354	########	Device 00::	{{0013500:	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12042	WARNING		2.15E+11	83354	########	NIC detect	{{0013500:	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
12022	INFORMAT		2.15E+11	83354	########	NIC time s	{{41}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
100007	CLEAR		2.15E+11	83354	########	NIC Power	{{0013500:	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
15096	INFORMAT		2.15E+11	2637	########	Sag Count:	{{3}{213}{2:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2637	########	Sag Count:	{{1}{216}{2:	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	67165	########	Sag Count:	{{1}{95}{96}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{140}{1-	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{141}{1-	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	6689	########	Meter 00:1	{{0013500:	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########

300081	CLEAR	[redacted]	2.15E+11	6689	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300080	WARNIN		2.15E+11	6689	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300081	CLEAR		2.15E+11	6689	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300080	WARNIN		2.15E+11	6689	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300081	CLEAR		2.15E+11	6689	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300080	WARNIN		2.15E+11	6689	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300081	CLEAR		2.15E+11	6689	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.65E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.65E+09	########	
300104	ERROR		2.15E+11	6351	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.65E+09	########	
300105	INFORMA		2.15E+11	6351	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.65E+09	########	
300104	ERROR		2.15E+11	1361	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	1361	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	1361	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	1361	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	1361	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	1361	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	474	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.65E+09	########	
300105	INFORMA		2.15E+11	474	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.65E+09	########	
12074	ERROR		2.15E+11	474	########	NET_MGM1	{{NET_MGM	NIC	GMI	This happe	Check cert	Logged as s	{0} failed c	9.64E+09	########	
12024	INFORMA		2.15E+11	5755	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########	
100013	INFORMA		2.15E+11	5755	########	Device 00::	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########	
12042	WARNIN		2.15E+11	5755	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########	
12022	INFORMA		2.15E+11	5755	########	NIC time se	{{37}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########	
100007	CLEAR		2.15E+11	5755	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########	
15095	INFORMA		2.15E+11	5755	########	Power Failu	{{1}{161}{16	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########	
300104	ERROR		2.15E+11	83354	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	83354	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
12024	INFORMA		2.15E+11	83354	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########	
100013	INFORMA		2.15E+11	83354	########	Device 00::	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########	
12022	INFORMA		2.15E+11	83354	########	NIC time se	{{33}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########	
100007	CLEAR		2.15E+11	83354	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########	
15095	INFORMA		2.15E+11	83354	########	Power Failu	{{1}{132}{13	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########	
300104	ERROR		2.15E+11	6459	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########	
300105	INFORMA		2.15E+11	6459	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########	
300104	ERROR		2.15E+11	6459	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########	

300105	INFORMAT	[redacted]	2.15E+11	6459	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.64E+09	########
12024	INFORMAT		2.15E+11	5139	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	5139	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
12024	INFORMAT		2.15E+11	5139	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	5139	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
12024	INFORMAT		2.15E+11	5139	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	5139	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
12042	WARNING		2.15E+11	5139	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
100007	CLEAR		2.15E+11	5139	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.65E+09	########
12022	INFORMAT		2.15E+11	5139	########	NIC time s	{{883}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.65E+09	########
15095	INFORMAT		2.15E+11	5139	########	Power Failu	{{3}{160}{1	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.65E+09	########
12042	WARNING		2.15E+11	5165	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	5165	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	5165	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12024	INFORMAT		2.15E+11	585	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	585	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	585	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	585	########	NIC time s	{{472}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
15095	INFORMAT		2.15E+11	585	########	Power Failu	{{1}{115}{1	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
12029	INFORMAT		2.15E+11	2647	########	NIC power	{{UNKNOW	NIC	GMI	Nic has po	No action r	Watchdog r	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	2647	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	2647	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	2647	########	NIC time s	{{19}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
12073	INFORMAT		2.15E+11	2647	########	GMI Event I	{{172}{001	NIC	GMI	Happens w	Informatior	UIQ is unat	GMI Event I	9.64E+09	########
12042	WARNING		2.15E+11	2647	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	2647	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	2647	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12024	INFORMAT		2.15E+11	2647	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
12007	ERROR		2.15E+11	2647	########	Last Gasp -	{{00135001	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
100007	CLEAR		2.15E+11	2647	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
100013	INFORMAT		2.15E+11	2647	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMAT		2.15E+11	2647	########	NIC time s	{{19}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
100007	CLEAR		2.15E+11	2647	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12029	INFORMAT		2.15E+11	2647	########	NIC power	{{UNKNOW	NIC	GMI	Nic has po	No action r	Watchdog r	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	2647	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMAT		2.15E+11	2647	########	NIC time s	{{19}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
12007	ERROR		2.15E+11	2647	########	Last Gasp -	{{00135001	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	2647	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100007	CLEAR		2.15E+11	2647	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
100013	INFORMAT		2.15E+11	2647	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMAT		2.15E+11	2647	########	NIC time s	{{20}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
12007	ERROR		2.15E+11	2647	########	Last Gasp -	{{00135001	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	2647	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
12024	INFORMAT		2.15E+11	2647	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100007	CLEAR		2.15E+11	2647	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
100013	INFORMAT		2.15E+11	2647	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMAT		2.15E+11	2647	########	NIC time s	{{19}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
12007	ERROR		2.15E+11	2647	########	Last Gasp -	{{00135001	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	2647	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100007	CLEAR		2.15E+11	2647	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########

100013	INFORMAT	[redacted]	2.15E+11	2647	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMAT		2.15E+11	2647	########	NIC time s	{{20}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
12029	INFORMAT		2.15E+11	2647	########	NIC power	{{UNKNOW	NIC	GMI	Nic has po	No action r	Watchdog	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	2647	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	2647	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	2647	########	NIC time s	{{19}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
12042	WARNING		2.15E+11	2647	########	NIC detect	{{00135001	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
12073	INFORMAT		2.15E+11	2647	########	GMI Event I	{{173}{001	NIC	GMI	Happens w	Informatio	UIQ is unat	GMI Event I	9.64E+09	########
15095	INFORMAT		2.15E+11	2647	########	Power Failu	{{2}{107}{1(	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
15098	INFORMAT		2.15E+11	2647	########	Inversion C	{{1}{2}{3}}	Meter	GMI	The I-210+	The meter i	Inversion d	Inversion C	9.64E+09	########
12024	INFORMAT		2.15E+11	4471	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	4471	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	4471	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	4471	########	NIC time s	{{199}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
15095	INFORMAT		2.15E+11	4471	########	Power Failu	{{1}{118}{1:	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
300104	ERROR		2.15E+11	534938	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	534938	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	2675	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	2675	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	715263	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	715263	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########

300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########

300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI		Meter {0}, c	9.64E+09	########
300104	ERROR	[redacted]	2.15E+11	7331	########	Meter 00:1	{{0013500	MT	GMI	Refer to manufacturer	Meter {0}, c	9.64E+09	########

300105	INFORMAT	[redacted]	2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	7331	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
12024	INFORMAT		2.15E+11	96625	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	96625	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
15095	INFORMAT		2.15E+11	96625	########	Power Failu	{{1}{103}{1(	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.65E+09	########
100007	CLEAR		2.15E+11	96625	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.65E+09	########
12022	INFORMAT		2.15E+11	96625	########	NIC time se	{{28944}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.65E+09	########
300104	ERROR		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
300104	ERROR		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300105	INFORMAT		2.15E+11	1361	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.65E+09	########
15095	INFORMAT		2.15E+11	6523	########	Power Failu	{{1}{131}{1:	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
15095	INFORMAT		2.15E+11	6523	########	Power Failu	{{3}{132}{1:	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
300104	ERROR		2.15E+11	82251	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	82251	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	2637	########	Meter 00:1	{{00135001	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	2637	########	Meter 00:1	{{00135001	MT	GMI			Meter {0}, c	9.64E+09	########
12024	INFORMAT		2.15E+11	585	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	585	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	585	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	585	########	NIC time se	{{461}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########
15095	INFORMAT		2.15E+11	585	########	Power Failu	{{1}{110}{1:	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
12007	ERROR		2.15E+11	585	########	Last Gasp -	{{00135001	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	585	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	585	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	585	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	585	########	NIC time se	{{369}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########
15095	INFORMAT		2.15E+11	585	########	Power Failu	{{1}{109}{1:	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
12024	INFORMAT		2.15E+11	585	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########

100013	INFORMAT	[redacted]	2.15E+11	585	########	Device 00::	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	585	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	585	########	NIC time s	{{407}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
15095	INFORMAT		2.15E+11	585	########	Power Fail	{{1}{110}{1	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
12042	WARNING		2.15E+11	8153	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	8153	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
300104	ERROR		2.15E+11	3445	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	3445	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	3445	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	3445	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300104	ERROR		2.15E+11	3445	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300105	INFORMAT		2.15E+11	3445	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
12042	WARNING		2.16E+11	3003	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.16E+11	3003	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
300080	WARNING		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1681	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{2}{44}{46}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{46}{47}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		1.00E+11	67165	########	Sag Count:	{{1}{69}{70}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		1.00E+11	67165	########	Sag Count:	{{1}{70}{71}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5755	########	Sag Count:	{{1}{44}{45}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	5755	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	5755	########	Device 00::	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMAT		2.15E+11	5755	########	NIC time s	{{19}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
12042	WARNING		2.15E+11	5755	########	NIC detect	{{0013500	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
100007	CLEAR		2.15E+11	5755	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{2}{68}{70}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count:	{{1}{70}{71}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6459	########	Sag Count:	{{2}{43}{45}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6459	########	Sag Count:	{{1}{45}{46}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	8153	########	Sag Count:	{{1}{37}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{3}{37}{40}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{40}{41}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	47952	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	47952	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	47952	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	47952	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	47952	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	47952	########	Meter 00:1	{{0013500	MT	GMI				Meter {0}, c	9.64E+09	########

300080	WARNING	[redacted]	2.15E+11	47952	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	47952	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
12042	WARNING		2.15E+11	2697	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	2697	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	2697	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	2697	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.16E+11	3003	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.16E+11	3003	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.16E+11	3003	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
15096	INFORMA		2.15E+11	2631	########	Sag Count:	{{1}{40}{41}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
15096	INFORMA		2.15E+11	2631	########	Sag Count:	{{1}{41}{42}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
15096	INFORMA		2.15E+11	2631	########	Sag Count:	{{1}{8}{9}}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
15096	INFORMA		2.15E+11	2631	########	Sag Count:	{{5}{9}{14}}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
15096	INFORMA		2.15E+11	1296	########	Sag Count:	{{3}{38}{41}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
15096	INFORMA		2.15E+11	1296	########	Sag Count:	{{1}{41}{42}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMA		2.15E+11	2637	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
15096	INFORMA		2.15E+11	2637	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
12024	INFORMA		2.15E+11	43977	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100013	INFORMA		2.15E+11	43977	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMA		2.15E+11	43977	########	NIC time s(	{{47}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########
100007	CLEAR		2.15E+11	43977	########	NIC Power	{{0013500E	AP	Trap	May be AP '	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12024	INFORMA		2.15E+11	43977	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100013	INFORMA		2.15E+11	43977	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMA		2.15E+11	43977	########	NIC time s(	{{34}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########
100007	CLEAR		2.15E+11	43977	########	NIC Power	{{0013500E	AP	Trap	May be AP '	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12007	ERROR		2.15E+11	4471	########	Last Gasp -	{{0013500E	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMA		2.15E+11	4471	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100013	INFORMA		2.15E+11	4471	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	4471	########	NIC Power	{{0013500E	AP	Trap	May be AP '	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMA		2.15E+11	4471	########	NIC time s(	{{30}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########
300080	WARNING		2.15E+11	4471	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	4471	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	4471	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
12007	ERROR		2.15E+11	4471	########	Last Gasp -	{{0013500E	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMA		2.15E+11	4471	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100013	INFORMA		2.15E+11	4471	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	4471	########	NIC Power	{{0013500E	AP	Trap	May be AP '	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMA		2.15E+11	4471	########	NIC time s(	{{35}}	NIC	GMI	NIC has rec	Action - No	Network re	NIC time se	9.64E+09	########
300081	CLEAR		2.15E+11	4471	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
15096	INFORMA		2.15E+11	3761	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag (	Sag Count:	9.64E+09	########
300081	CLEAR		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########

300081	CLEAR	[redacted]	2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMA		2.15E+11	6671	########	Sag Count:	{{3}{35}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	1363	########	Sag Count:	{{3}{35}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	1363	########	Sag Count:	{{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	6671	########	Sag Count:	{{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	3761	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	3761	########	Sag Count:	{{1}{35}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMA		2.15E+11	5097	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5097	########	Sag Count:	{{1}{35}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5097	########	Sag Count:	{{2}{31}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5097	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	1363	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	1363	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5165	########	Sag Count:	{{3}{32}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	1363	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5165	########	Sag Count:	{{3}{32}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5165	########	Sag Count:	{{2}{30}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5165	########	Sag Count:	{{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	5139	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMA		2.15E+11	3003	########	Sag Count:	{{3}{35}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	3003	########	Sag Count:	{{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	2631	########	Sag Count:	{{1}{41}{42}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	2631	########	Sag Count:	{{4}{42}{46}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
15096	INFORMA		2.15E+11	2631	########	Sag Count:	{{1}{46}{47}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
15096	INFORMA		2.15E+11	1296	########	Sag Count:	{{1}{39}{40}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
15096	INFORMA		2.15E+11	1296	########	Sag Count:	{{1}{40}{41}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09 ########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########

300081	CLEAR	[redacted]	2.15E+11	1296	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT	[redacted]	2.15E+11	5139	########	Sag Count:	{{3}{30}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	5139	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT	[redacted]	2.15E+11	5139	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT	[redacted]	2.15E+11	5139	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
12042	WARNING	[redacted]	2.15E+11	5139	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.65E+09	########
12024	INFORMAT	[redacted]	2.15E+11	5139	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT	[redacted]	2.15E+11	5139	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
100007	CLEAR	[redacted]	2.15E+11	5139	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.65E+09	########
12022	INFORMAT	[redacted]	2.15E+11	5139	########	NIC time s	{{146}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.65E+09	########
12024	INFORMAT	[redacted]	2.15E+11	5139	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT	[redacted]	2.15E+11	5139	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
12042	WARNING	[redacted]	2.15E+11	5139	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
100007	CLEAR	[redacted]	2.15E+11	5139	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.65E+09	########
12022	INFORMAT	[redacted]	2.15E+11	5139	########	NIC time s	{{151}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.65E+09	########
15096	INFORMAT	[redacted]	2.15E+11	4465	########	Sag Count:	{{2}{31}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	4465	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	3003	########	Sag Count:	{{3}{35}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	3003	########	Sag Count:	{{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	5163	########	Sag Count:	{{1}{29}{30}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	5163	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING	[redacted]	2.15E+11	6689	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR	[redacted]	2.15E+11	6689	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING	[redacted]	2.15E+11	6689	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR	[redacted]	2.15E+11	6689	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING	[redacted]	2.15E+11	6689	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR	[redacted]	2.15E+11	6689	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT	[redacted]	2.15E+11	6671	########	Sag Count:	{{1}{29}{30}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	6799	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	6799	########	Sag Count:	{{3}{33}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	6799	########	Sag Count:	{{1}{36}{37}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	908999	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	2637	########	Sag Count:	{{3}{35}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	2637	########	Sag Count:	{{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{2}{33}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{35}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{36}{37}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{40}{41}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{41}{42}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	7871	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	7871	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{15}{16}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{16}{17}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{3}{39}{42}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT	[redacted]	2.15E+11	1363	########	Sag Count:	{{1}{42}{43}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12007	ERROR	[redacted]	2.15E+11	64793	########	Last Gasp -	{{0013500E	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT	[redacted]	2.15E+11	64793	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT	[redacted]	2.15E+11	64793	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########

12022	INFORMAT	[redacted]	2.15E+11	64793	########	NIC time s	{{46}}	NIC	GMI	NIC has re	Action - No Network re	NIC time s	9.64E+09	########
100007	CLEAR		2.15E+11	64793	########	NIC Power	{{0013500	AP	Trap	May be AP	Nothing; In UIQ in turn	NIC Power	9.64E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	563	########	Meter 00:1	{{0013500	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{3}{36}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{39}{40}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{2}{37}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{39}{40}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{3}{36}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{39}{40}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{3}{36}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{39}{40}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6799	########	Sag Count:	{{1}{35}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6799	########	Sag Count:	{{1}{36}{37}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{3}{33}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{36}{37}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{3}{35}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{29}{30}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{35}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	5097	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{2}{35}{37}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300081	CLEAR		2.15E+11	5097	########	Meter 00:1	{{0013500	MT	GMI			Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{37}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	5097	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5097	########	Meter 00:1	{{0013500	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	5097	########	Meter 00:1	{{0013500	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5097	########	Meter 00:1	{{0013500	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12007	ERROR		2.15E+11	5139	########	Last Gasp -	{{0013500	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	5139	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	5139	########	Device 00::	{{0013500	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########

100007	CLEAR	[redacted]	2.15E+11	5139	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	5139	########	NIC time s	{{53}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.65E+09	########
12024	INFORMAT		2.15E+11	5139	########	NIC power	{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	5139	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
12042	WARNING		2.15E+11	5139	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
100007	CLEAR		2.15E+11	5139	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.65E+09	########
12022	INFORMAT		2.15E+11	5139	########	NIC time s	{{61}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.65E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6799	########	Sag Count:	{{3}{32}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6799	########	Sag Count:	{{1}{35}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1361	########	Sag Count:	{{2}{28}{30}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1361	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{29}{30}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count:	{{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count:	{{1}{35}{36}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12042	WARNING		2.15E+11	279581	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	279581	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	1363	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	1363	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	2697	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	2697	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	4923	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.96E+09	########
12042	WARNING		2.15E+11	4923	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.96E+09	########
12042	WARNING		2.15E+11	4923	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.96E+09	########
15739	INFORMAT		2.15E+11	4923	########	Device 00::	{{0013500E	NIC	GMI				Device {0} t	9.96E+09	########
12042	WARNING		2.15E+11	1363	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	1363	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	3955	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12024	INFORMAT		2.15E+11	3955	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	3955	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	3955	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	3955	########	NIC time s	{{380}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
12042	WARNING		2.15E+11	1361	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	1361	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	1361	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
300080	WARNING		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	8985	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	6415	########	Sag Count:	{{1}{29}{30}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6415	########	Sag Count:	{{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########

300081	CLEAR	[redacted]	2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	3761	########	Sag Count: {{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3761	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	1361	########	Sag Count: {{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1361	########	Sag Count: {{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1361	########	Sag Count: {{3}{35}{38}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1361	########	Sag Count: {{1}{38}{39}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1361	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	7871	########	Sag Count: {{3}{27}{30}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	7871	########	Sag Count: {{1}{30}{31}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count: {{3}{30}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5097	########	Sag Count: {{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer	Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	5097	########	Meter 00:1	{{0013500E	MT	GMI			Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count: {{3}{30}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count: {{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count: {{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count: {{1}{34}{35}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count: {{1}{33}{34}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1296	########	Sag Count: {{2}{25}{27}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1296	########	Sag Count: {{1}{27}{28}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	279581	########	Sag Count: {{2}{30}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	279581	########	Sag Count: {{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{26}{27}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{27}{28}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	5165	########	Sag Count: {{1}{26}{27}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########

15096	INFORMAT	[redacted]	2.15E+11	5165	########	Sag Count: {{1}{27}{28}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	2633	########	Sag Count: {{1}{0}{1}}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.66E+09	########
15096	INFORMAT		2.15E+11	2633	########	Sag Count: {{1}{1}{2}}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.66E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	5161	########	Sag Count: {{3}{13}{16}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
300080	WARNING		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	5161	########	Meter 00:1 {{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{205}{2(	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count: {{1}{206}{2(	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{3}{23}{26}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{1}{26}{27}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{3}{23}{26}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	6467	########	Sag Count: {{1}{26}{27}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
12024	INFORMAT		2.15E+11	6467	########	NIC power {{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	6467	########	Device 00:1 {{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	6467	########	NIC Power {{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	6467	########	NIC time se {{26}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
12007	ERROR		2.15E+11	4471	########	Last Gasp - {{0013500E	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	4471	########	NIC power {{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	4471	########	Device 00:1 {{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12022	INFORMAT		2.15E+11	4471	########	NIC time se {{23}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
100007	CLEAR		2.15E+11	4471	########	NIC Power {{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12024	INFORMAT		2.15E+11	4471	########	NIC power {{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	4471	########	Device 00:1 {{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	4471	########	NIC Power {{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	4471	########	NIC time se {{27}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
12042	WARNING		2.15E+11	83354	########	NIC detect {{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	83354	########	NIC detect {{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12024	INFORMAT		2.15E+11	83354	########	NIC power {{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	83354	########	Device 00:1 {{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12042	WARNING		2.15E+11	83354	########	NIC detect {{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
12022	INFORMAT		2.15E+11	83354	########	NIC time se {{31}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
100007	CLEAR		2.15E+11	83354	########	NIC Power {{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12042	WARNING		2.15E+11	1363	########	NIC detect {{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	1363	########	NIC detect {{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12042	WARNING		2.15E+11	3251	########	NIC detect {{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########

12042	WARNING	[redacted]	2.15E+11	3251	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	9.64E+09	########
12074	ERROR		2.16E+11	4491	########	NET_MGM1	{{NET_MGM	NIC	GMI	This happe	Check cert	Logged as s	{0} failed c	9.64E+09	########
15736	INFORMAT		2.15E+11	2633	########	Device 00::	{{0013500E	NIC	GMI				Device {0} t	1.32E+10	########
12042	WARNING		2.15E+11	2633	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.32E+10	########
12042	WARNING		2.15E+11	2633	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.32E+10	########
12042	WARNING		2.15E+11	2633	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.32E+10	########
15736	INFORMAT		2.15E+11	2633	########	Device 00::	{{0013500E	NIC	GMI				Device {0} t	1.32E+10	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{15}{16}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3531	########	Sag Count:	{{1}{16}{17}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{31}{32}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	1363	########	Sag Count:	{{1}{32}{33}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
300080	WARNING		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	1363	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
12024	INFORMAT		2.15E+11	8715	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.65E+09	########
100013	INFORMAT		2.15E+11	8715	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.65E+09	########
15095	INFORMAT		2.15E+11	8715	########	Power Failu	{{1}{16}{17}	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.65E+09	########
100007	CLEAR		2.15E+11	8715	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	8715	########	NIC time s	{{1381}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.65E+09	########
12024	INFORMAT		2.15E+11	5755	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	5755	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
12042	WARNING		2.15E+11	5755	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.01E+10	########
12022	INFORMAT		2.15E+11	5755	########	NIC time s	{{24}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time se	9.64E+09	########
100007	CLEAR		2.15E+11	5755	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
15095	INFORMAT		2.15E+11	5755	########	Power Failu	{{1}{6}{7}}	Meter	GMI	The I-210+	In a popula	Identifies a	Power Failu	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.64E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.64E+09	########
300080	WARNING		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI		Refer to manufacturer		Meter {0}, c	9.65E+09	########
300081	CLEAR		2.15E+11	3445	########	Meter 00:1	{{0013500E	MT	GMI				Meter {0}, c	9.65E+09	########
15096	INFORMAT		2.15E+11	3761	########	Sag Count:	{{2}{10}{12}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	3761	########	Sag Count:	{{1}{12}{13}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.64E+09	########
15096	INFORMAT		2.15E+11	4923	########	Sag Count:	{{3}{15}{18}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.66E+09	########
15096	INFORMAT		2.15E+11	4923	########	Sag Count:	{{1}{18}{19}	Meter	GMI	The I-210+	The sag dat	Power sag	Sag Count:	9.66E+09	########
12026	INFORMAT		2.15E+11	8989	########	Cause: The	{{The GMI D	NIC	GMI	The NIC GM	If expected	Configurati	Cause: {0}	9.64E+09	########
12026	INFORMAT		2.15E+11	8989	########	Cause: The	{{The Self R	NIC	GMI	The NIC GM	If expected	Configurati	Cause: {0}	9.64E+09	########
12026	INFORMAT		2.15E+11	8989	########	Cause: The	{{The GMI D	NIC	GMI	The NIC GM	If expected	Configurati	Cause: {0}	9.64E+09	########

12026	INFORMAT	[redacted]	2.15E+11	8989	########	Cause: The	{{The Self R	NIC	GMI	The NIC GM	If expected Configurati	Cause: {0}	9.64E+09	########
12026	INFORMAT		2.15E+11	8989	########	Cause: The	{{The GMI D	NIC	GMI	The NIC GM	If expected Configurati	Cause: {0}	9.64E+09	########
12026	INFORMAT		2.15E+11	8989	########	Cause: The	{{The Self R	NIC	GMI	The NIC GM	If expected Configurati	Cause: {0}	9.64E+09	########
5878	WARNING		2.15E+11	8989	########	Detected tl	{{0013500E	Meter				Detected tl	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
12042	WARNING		2.15E+11	279581	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.04E+10	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
12042	WARNING		2.15E+11	279581	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.04E+10	########
12042	WARNING		2.15E+11	279581	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.04E+10	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15060	WARNING		2.15E+11	279581	########	Under Volt	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Under Volt	9.64E+09	########
15061	CLEAR		2.15E+11	279581	########	Under Volt	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Under Volt	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15061	CLEAR		2.15E+11	279581	########	Under Volt	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Under Volt	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########

15053	CLEAR	[redacted]	2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	279581	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	279581	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	279581	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	279581	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	3003	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########

15058	EMERGEN	[redacted]	2.15E+11	3003	########	Diag8: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	3003	########	Diag8 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	3003	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	3003	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	3003	########	Diag8: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	3003	########	Diag8 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	3003	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	3003	########	Diag8: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	3003	########	Diag8 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	3003	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	3003	########	Diag8: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
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15052	EMERGEN	[redacted]	2.15E+11	3003	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
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15058	EMERGEN	[redacted]	2.15E+11	3003	########	Diag8: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	3003	########	Diag8 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	3003	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	3003	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	3003	########	Diag8: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	3003	########	Diag8 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	3003	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	8585	########	Diag8: High	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	8585	########	Diag5 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	8585	########	Diag8 Cond	{{00135005	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Cond	9.64E+09	########

15052	EMERGEN	[redacted]	2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
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15058	EMERGEN	[redacted]	2.15E+11	8585	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.65E+09	########
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15052	EMERGEN		2.15E+11	8585	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.65E+09	########
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15053	CLEAR		2.15E+11	8585	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.65E+09	########
15059	CLEAR		2.15E+11	8585	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	4923	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	4923	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
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15053	CLEAR		2.15E+11	4923	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	4923	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	4923	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	4923	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	4923	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
12042	WARNING		2.15E+11	7871	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.04E+10 ########
12042	WARNING		2.15E+11	7871	########	NIC detect	{{0013500E	NIC	GMI	NIC detect	If there are	Last gasp c	NIC detect	1.04E+10 ########
15052	EMERGEN		2.15E+11	7871	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	7871	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	7871	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	7871	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	7871	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
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15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5: Hig	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5: Hig	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5: Hig	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5: Hig	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8 Con	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5: Hig	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8: Hig	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8 Con	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8: Hig	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8 Con	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8: Hig	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8 Con	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5: Hig	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8: Hig	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5: Hig	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8 Con	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8: Hig	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8 Con	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag5 Con	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8: Hig	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Con	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8 Con	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: Hig	{{0013500	KV2C-C12	C1219	Refer to manufacturer	Diag8: Hig	9.64E+09	########

15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########

15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: High	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.64E+09	########
12052	INFORMAT		2.15E+11	563	########	The meter l	{{0013500E	NIC	GMI	The time w	Nothing	The meter l	1.04E+10	########

15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: Higl	9.64E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: Higl	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: Higl	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
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15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
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15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag8 Cond	9.64E+09	########
15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Cond	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5 Cond	9.64E+09	########
15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: High	{{00135005	KV2C-C12	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########

15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########

15058	EMERGEN	[redacted]	2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########

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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.64E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.64E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
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15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########

15059	CLEAR	[redacted]	2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
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15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
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15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
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15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########

15053	CLEAR	[redacted]	2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15058	EMERGEN		2.15E+11	563	########	Diag8: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag8 Conc	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15052	EMERGEN		2.15E+11	563	########	Diag5: High	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5: High	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219	Refer to manufacturer	Diag5 Conc	9.65E+09	########

15052	EMERGEN	[redacted]	2.15E+11	563	########	Diag5: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: Higl	9.65E+09	########	
15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: Higl	9.65E+09	########	
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########	
15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: Higl	9.65E+09	########	
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########	
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.65E+09	########	
15052	EMERGEN		2.15E+11	563	########	Diag5: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: Higl	9.65E+09	########	
15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: Higl	9.65E+09	########	
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########	
15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: Higl	9.65E+09	########	
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.65E+09	########	
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########	
15052	EMERGEN		2.15E+11	563	########	Diag5: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: Higl	9.65E+09	########	
15053	CLEAR		2.15E+11	563	########	Diag5 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5 Conc	9.65E+09	########	
15052	EMERGEN		2.15E+11	563	########	Diag5: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: Higl	9.65E+09	########	
15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: Higl	9.65E+09	########	
15052	EMERGEN		2.15E+11	563	########	Diag5: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag5: Higl	9.65E+09	########	
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########	
15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: Higl	9.65E+09	########	
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########	
15058	EMERGEN		2.15E+11	563	########	Diag8: Higl	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8: Higl	9.65E+09	########	
15059	CLEAR		2.15E+11	563	########	Diag8 Conc	{{0013500E	KV2C-C12:	C1219		Refer to manufacturer	Diag8 Conc	9.65E+09	########	
15035	WARNING		2.15E+11	2671	########	Primary Po	{{0013500E	Standard-C	C1219		Refer to manufacturer	Primary Po	9.64E+09	########	
12024	INFORMAT		2.15E+11	2671	########	NIC power	{{POWER_F	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	1.04E+10	########
12007	ERROR		2.15E+11	2671	########	Last Gasp -	{{0013500E	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
15036	CLEAR		2.15E+11	2671	########	Primary Po	{{0013500E	Standard-C	C1219		Refer to manufacturer	Primary Po	9.64E+09	########	
100013	INFORMAT		2.15E+11	2671	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	1.04E+10	########
100007	CLEAR		2.15E+11	2671	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	2671	########	NIC time s	{{17}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	1.04E+10	########
15039	INFORMAT		2.15E+11	2671	########	End device	{{0013500E	Standard-C	C1219		Refer to manufacturer	End device	9.64E+09	########	
12052	INFORMAT		2.15E+11	2671	########	The meter l	{{0013500E	NIC	GMI	The time w	Nothing	The meter l	1.04E+10	########	
15035	WARNING		2.15E+11	2671	########	Primary Po	{{0013500E	Standard-C	C1219		Refer to manufacturer	Primary Po	9.64E+09	########	
12007	ERROR		2.15E+11	2671	########	Last Gasp -	{{0013500E	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	2671	########	NIC power	{{POWER_F	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	1.04E+10	########
15036	CLEAR		2.15E+11	2671	########	Primary Po	{{0013500E	Standard-C	C1219		Refer to manufacturer	Primary Po	9.64E+09	########	
100013	INFORMAT		2.15E+11	2671	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	1.04E+10	########
100007	CLEAR		2.15E+11	2671	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	2671	########	NIC time s	{{25}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	1.04E+10	########
15039	INFORMAT		2.15E+11	2671	########	End device	{{0013500E	Standard-C	C1219		Refer to manufacturer	End device	9.64E+09	########	
12052	INFORMAT		2.15E+11	2671	########	The meter l	{{0013500E	NIC	GMI	The time w	Nothing	The meter l	1.04E+10	########	
15035	WARNING		2.15E+11	2671	########	Primary Po	{{0013500E	Standard-C	C1219		Refer to manufacturer	Primary Po	9.64E+09	########	
12007	ERROR		2.15E+11	2671	########	Last Gasp -	{{0013500E	NIC	Trap	Indicates U	Pass inforn	Last Gasp -	Last Gasp -	9.64E+09	########
12024	INFORMAT		2.15E+11	2671	########	NIC power	{{POWER_F	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	1.04E+10	########
15036	CLEAR		2.15E+11	2671	########	Primary Po	{{0013500E	Standard-C	C1219		Refer to manufacturer	Primary Po	9.64E+09	########	
100007	CLEAR		2.15E+11	2671	########	NIC Power	{{0013500E	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
100013	INFORMAT		2.15E+11	2671	########	Device 00::	{{0013500E	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	1.04E+10	########
12022	INFORMAT		2.15E+11	2671	########	NIC time s	{{17}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	1.04E+10	########
15039	INFORMAT		2.15E+11	2671	########	End device	{{0013500E	Standard-C	C1219		Refer to manufacturer	End device	9.64E+09	########	
12052	INFORMAT		2.15E+11	2671	########	The meter l	{{0013500E	NIC	GMI	The time w	Nothing	The meter l	1.04E+10	########	

12024	INFORMAT	[redacted]	2.15E+11	585	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	585	########	Device 00::	{{00135002	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	585	########	NIC Power	{{00135002	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	585	########	NIC time s	{{429}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
15095	INFORMAT		2.15E+11	585	########	Power Fail	{{1}{103}{1(	Meter	GMI	The I-210+	In a popula	Identifies a	Power Fail	9.64E+09	########
12024	INFORMAT		2.15E+11	585	########	NIC power	{{ZERO_CR	NIC	GMI	Indicates N	If seen repe	PF signal a:	NIC power	9.64E+09	########
100013	INFORMAT		2.15E+11	585	########	Device 00::	{{00135001	AP	GMI	When the N	Nothing	NIC reboot	Device {0} a	9.64E+09	########
100007	CLEAR		2.15E+11	585	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
100007	CLEAR		2.15E+11	585	########	NIC Power	{{00135001	AP	Trap	May be AP	Nothing; In	UIQ in turn	NIC Power	9.64E+09	########
12022	INFORMAT		2.15E+11	585	########	NIC time s	{{444}}	NIC	GMI	NIC has re	Action - No	Network re	NIC time s	9.64E+09	########
15095	INFORMAT		2.15E+11	585	########	Power Fail	{{1}{103}{1(	Meter	GMI	The I-210+	In a popula	Identifies a	Power Fail	9.64E+09	########

Public Safety Power Shutoff for Electric Transmission and Distribution

SUMMARY

This utility procedure effective 05/02/2022 describes a proactive response utilizing Public Safety Power Shutoff (PSPS) to reduce the potential risk for wildfires that will enable safe and efficient de-energizing and restoration of electric facilities. The purpose of this process is to reduce risk of wildfire ignition in the Pacific Gas & Electric (PG&E) territory.

Customer Resource Centers (CRCs) are not a part of this Procedure.

Level of Use: Informational Use

TARGET AUDIENCE

Electric Operations - Grid Control Center (GCC), Distribution Control Centers (DCC), Transmission Operations Engineering including Remedial Action Scheme (RAS), Distribution Operations Engineering, Operations Systems: EMS, participants in Electric Transmission Emergency Center (ETEC), Substation Transmission Operations Emergency Center (STOEC),System Protection, participants in Electric Distribution Emergency Center (EDEC), Emergency Operations Center (EOC) personnel, Regional Emergency Center (REC) personnel, Operations Emergency Center (OEC) personnel, Business Applications Team (BAT), and authorized and qualified personnel who operate and work on or near PG&E-owned transmission and distribution electric lines and associated equipment.

SAFETY

Failure to follow proper PSPS, patrolling, and restoration procedures may result in employee injury, public safety exposure, or damage to facilities.

Perform operating, switching and restoration procedures safely and in accordance with the Company's Utility Standard SAFE-1001S, Safety and Health Program Standard and the Code of Safe Practices.

BEFORE YOU START

To reduce the risk of fires in PG&E territory, operations will de-energize and restore electric facilities on identified equipment when an actionable risk is identified.

PG&E produces a rolling 7 Day Public Safety Power Shutoff (PSPS) Potential forecast on a daily basis. Preparations for a potential PSPS event in the forecasted areas will begin in advance of weather conditions actually existing that could trigger the decision to de-energize. While weather conditions can quickly change from the forecast, the intent is to coordinate closely and plan for efficiently executing PSPS should the decision to do so be made.

Proactively de-energizing an area can prevent PG&E assets from potentially igniting a fire.

Fault Location Isolation Service Restoration (FLISR) schemes may be affected by this procedure.

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PROCEDURE STEPS

1 Scoping and Pre-event Planning

1.1 IF Meteorology IDENTIFIES forecast models that are not clear on potential, scope, and timing for developing R5-Plus level conditions and there is advance time before de-energization is forecasted to be required (before ~T-72 from potential de-energization),

THEN the on-call Emergency Operations Center (EOC) Commander can CALL on representatives from select sections and officers to MEET,TRACK developing conditions, PERFORM readiness tasks where possible, and when warranted MAKE a recommendation to the Officer-in-Charge (OIC) to activate the EOC for a potential PSPS event. This is called “Readiness Posture.”

NOTE

“Readiness Posture” is not a requirement for the Officer-in-Charge (OIC) to activate the EOC and may not occur in all PSPS events.

1.2 Meteorology IDENTIFIES potential to meet Fire Potential Index (FPI) R5-Plus conditions.

1.3 EOC Commander and Operations Section Chief GAIN alignment to determine whether to use standard or custom method to establish ETOR prior to de-energization and SHARE with EOC Planning Section/PSPS Planning Section Deputy/PSPS Process Lead/PSPS Technical Lead, Customer Strategy Officer (CSO) and Liaison Officer (LNO).

1. IF Standard,

   THEN calculate the ETOR using the forecasted weather “All Clear + 24 hours” for all notifications (T-72, T-48, T-24, Imminent).

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1.3 (continued)

2. IF Custom,

   THEN calculate ETOR based on known facts and field intelligence (i.e., resources available, circuit miles) (T-72, T-48, T-24, Imminent).

1.4 PSPS Technical Unit Leader (EOC Planning Section) CREATES Playbook A, starting with A-01, and the Situation Report and PROVIDES PSPS Playbook A-01 to EDEC for analysis and review of abnormal switching.

NOTE

When speaking of “Playbooks”, it is recommended to use the phonetic pronunciation of the letter in the title, for example: Playbook A spoken as “Playbook Alpha”.

1. PSPS Technical Unit EDITS metadata including ETOR (Standard or Custom per Step 1.3) per version time-place per event and ADDS new versions to reflect updates from meteorology all the way as needed.

2. PSPS Technical Unit UPDATES Playbook for incremental scope to mitigate risks due to high priority vegetation tags (Priority 1, Priority 2 trees) and/or applicable high priority Electric Compliance (EC) tags based on input from the PSPS Distribution Asset Health Specialist (DAHS)(EOC Planning Section). As the potential PSPS event evolves, information on tags is updated in all subsequent versions of the de-energization Playbook.

   a. As soon as available after initial Meteorological scope and also after all subsequent changes to Meteorological scope, DAHS SENDS e-mail with list of prioritized EC and VM tags to Operations Chief, Deputy Operations Chief, Distribution Branch Director, and Vegetation Management Director.

   b. Distribution Branch Director and the Vegetation Management Director PROVIDE information to DAHS on which tags can be closed out before finalization of Playbook Delta.

   c. DAHS REVIEWS information on completion of tags to IDENTIFY which circuits can then be removed from scope.

   d. DAHS PROVIDES updated incremental scope to PSPS Technical Unit.

   e. PSPS Technical Unit UPDATES Playbook version to reflect updated incremental scope.

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1.4 (continued)

3. PSPS Technical Unit UPDATES in Playbook affected Distribution Customer Owned Lines (COL). At this time and for all subsequent Playbook versions, the respective isolation devices are entered into the COL tab.

   a. IF the COL identified as being in-scope and COL SSD is the same as Playbook de-energization device,

      THEN the COL Source Side Device (SSD) is included both in the main body of the playbook and in COL the tab.

   b. IF the COL identified as being in-scope AND is listed as to be de-energized by Playbook de-energization device instead of COL SSD,

      THEN COL SSD is listed in COL tab.

NOTE

Customer Owned Lines (COL) are defined for distribution and are separate from Foreign Transmission Lines (FTL).

NOTE

When there is not enough pre-event time to allow for creation of Playbook A during "Readiness Posture", OIC makes decision to activate EOC based on meteorological data and Playbook A is created as soon as possible after EOC activation.

1.5 Vice President of Emergency Preparedness and Response (EP&R) ESTABLISHES and FACILITATES a call by which the OIC (on call) follows a set agenda to make a decision that forecasted conditions warrant activating the EOC in coordination with representatives from:

- EOC Commander (on call)
- Meteorology
- Hazard Awareness & Warning Center (HAWC)
- PSPS Director/delegate
- Planning Section Chief
- PSPS Process Lead (EOC Planning Section)(on call)

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1.6 OIC APPROVES recommendation from Emergency Operations Center Commander (EC) and Meteorologist to activate EOC for possible PSPS event and communicate priority notification to Public Safety Partners and to Transmission customers. This decision is designated OIC Decision A.

NOTE

Once the decision to activate the EOC is made, standard procedures outlined in the Company Emergency Response Plan (CERP) are followed to activate the EOC, Regional Emergency Center(s) (REC), and Operations Emergency Center(s)(OEC). This includes the initial filing of the PSPS State Notification Form (Cal OES Form).

1.7 Resource Management Unit Leader (EOC Planning Section) CONTACTS pre-identified Resource Owners of possible PSPS event.

1.8 Resource Owners (e.g., System Inspections, T-Line, etc.) CONTACT all personnel and contractors to notify them of the potential event and ensures that they are ready to respond.

1.9 Resource Owners CONFIRM with resources that they are available and understand timing of potential PSPS event.

1.10 Resource Management Unit Leader CONTACTS all Regional Emergency Centers (RECs) to determine their regions' blue sky T200 and Contract Construction Management(CCM) resource plan and the number and types of those resources that can potentially travel to other Regions.

1.11 Resource Owners SEND EOC Planning Section/Resource Management Lead a list of total available and confirmed resources that can respond to event, including:

1. Crew/Resource type
2. Number of Electric Transmission and Distribution Qualified Electrical Worker (T&D QEW) available for Transmission and Distribution Patrols
3. Total number of Full-time Employees (FTEs)
4. Number of Flyers (with current credentials)

1.12 Resource Unit COMPILES list of total system resource availability and RUNS first model of FORCE tool and DOWNLOADS SOPP report.

1. Results POSTED to EOC SharePoint for RECs to see recommended resourcing by region. Notification of posting to EOC SharePoint SENT to EOC Operations Chief and RECs.

1.13 Digital Strategy (CSO) COMMUNICATES to Business Applications Team (BAT) to ACTIVATE PSPS cause codes in Outage Management Tool (OMT).

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1.14 BAT ACTIVATES PSPS cause codes in Outage Management Tool (OMT).

1.15 PSPS Portal Leader (EOC Planning Section) PUBLISHES PSPS Portal and Digital Strategy PUBLISHES Priority Notice website with data as assigned for each that may include the following:

- Customer segmented data
- Borders for specific jurisdictions
- Event maps
- External situation report
- Medical Baseline doorbell rings
- Lists of critical facilities

1.16 Situation Unit (EOC Planning Section) SUBMITS Cal OES Form for Stage 1 (Activating PSPS Protocols / Potential to De-energize).

NOTE

1. PSPS Portal is updated twice daily at 0900 and 1500 until end of event, and as required for scope changes.
2. Cal OES Forms are submitted twice daily at 0700 and 1500 until end of event, and as required for stage and scope changes.

1.17 Advance Notification to Agencies, Public Safety Partners, and Transmission Customers (up to 3 days prior to de-energization)

1. PSPS Technical Unit CREATES and POSTS Agency and Public Safety Partner notifications to EOC SharePoint.

2. Liaison Coordinator (LNO) REVIEWS notifications and SENDS to Customer Notification Hawk (CSO).

3. Customer Notification Hawk REVIEWS Public Safety Partner notification and NOTIFIES Customer Care Emergency Contact Center (CCECC)(CSO) of notification files.

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1.17 (continued)

4. Critical Infrastructure Lead (CIL)(CSO) SENDS OUT notifications to affected transmission customers

    a. Notifications include

        (1) Estimated date and time of de-energization window

        (2) Estimated date and time weather “all-clear”

        (3) Estimated date and time of Restoration (ETOR)

        (4) May include Substation name and transmission line name

5. CCECC SENDS OUT notifications to state agencies, cities, counties, tribes, and Community Choice Aggregators (CCAs).

6. CCECC SENDS OUT notifications to Public Safety Partners / Level 1 critical customers (includes water agencies, telecommunications companies, and hospitals.)

    a. Notifications include:

        (1) Estimated date and time of de-energization window

        (2) Estimated date and time weather “all-clear”

        (3) Estimated date and time of Restoration (ETOR)

7. LNO HOSTS once daily Systemwide Cooperators call

    a. Call is to provide an update on the PSPS events. There is no question and answer session during this call.

    b. Internal participants include LNO, CSO, Public Information Officer (PIO), and Meteorology.

    c. Invitees include local and tribal elected officials, staff and emergency managers, telecom providers, water agencies, emergency hospitals, publicly-owned utilities, community choice aggregators, transportation authorities and community-based organizations within PG&E’s electrical service territory, **not just those in scope.**

    d. Systemwide Cooperator calls are continued daily throughout event until PG&E’s EOC is de-activated.

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1.17 (continued)

8. LNO HOSTS once daily State Executive Briefing

   a. Call is to provide an update on the PSPS Event. A question and answer session is open to call participants.

   b. Internal participants include Incident Commander (IC) Liaison Officer (LNO), Customer Strategy Officer (CSO), and Public Information Officer (PIO)

   c. Invitees include California Office of Emergency Services (OES), California Public Utilities Commission (CPUC), California Office of Energy Infrastructure Safety (OEIS), CAL FIRE, Governor's Office, U.S. Forest Service, Department of Interior and other state agencies.

   d. State Executive Briefings are continued daily throughout event until PG&E's EOC is de-activated.

1.18 Meteorology IDENTIFIES scope of possible PSPS event and COMMUNICATES scope of possible event to EOC Planning Section.

1. IF not already notified during "Readiness Posture",

   THEN Operations Section NOTIFIES Grid Control Center (GCC) and Distribution Control Centers (DCCs) leadership of a potential PSPS event to INFORM potentially impacted areas and to ALIGN on estimated timing for potential de-energization.

2. IF not already activated during Readiness Posture,

   Then GCC and DCC ACTIVATE the Electric Transmission Emergency Center (ETEC) and Electric Distribution Emergency Center (EDEC) respectively; GCC notifies California Independent System Operator (CAISO).

NOTE

Scope changes throughout this Procedure that lead to circuits being added, modified, or removed, require review by EDEC and ETEC along with EOC Planning Section creating a new Playbook with subsequent numbering.

1.19 EDEC REVIEWS Playbook A and PERFORMS the following:

1. IDENTIFIES abnormally configured distribution circuits and equipment limitations that could impact scope of the event and SENDS descriptions of both to Distribution Branch Director.

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1.19 (continued)

2. IDENTIFIES resource need for manual switching and PROVIDES to Distribution Branch Director.

3. WORKS with Regional Emergency Centers (RECs) to COMMUNICATE where resources are needed to execute manual devices in scope.

   a. IF RECs IDENTIFY that they are not able to EXECUTE all manual devices in scope,

      THEN they COMMUNICATE the gap to the Distribution Branch Director in the Operations Section.

   b. The Operations Section DETERMINES and COMMUNICATES (via previously identified process) to EOC Planning Section/PSPS Technical Lead where manual execution is not possible.

   c. Operations Section WORKS with EOC Planning Section/PSPS Technical Lead to DETERMINE what SCADA-enabled devices will need to be operated instead. This should be done as soon as possible, as new customers in scope will need to be identified and notified, and new maps will need to be generated.

      (1) When necessary DCC RESCHEDULES or CANCELS planned work.

      (2) REVIEWS Playbook for load transfer opportunities outside of identified event specific areas at risk that can be transferred.

1.20 EOC Operations IDENTIFIES opportunities and prioritization of the following:

- Pre-identified switching
- Temporary generation
- Microgrids

1.21 PSPS Technical Unit UPDATES scope based on results of EDEC's review of abnormal circuits to CREATE Playbook B, starting with B-01, and EOC Planning Section/Situation Unit UPDATES the Situation Report.

NOTE

In many cases when Transmission lines are in scope, the evaluation of initial Transmission scope is faster than EDEC's review of abnormals. This leads to bypassing Playbook B and advancing directly to Playbook C.

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1.22 Transmission Asset Health Specialist (TAHS)(EOC Planning Section) IDENTIFIES initial transmission directs list of T-lines in scope with a subset of lines identified for mitigation for induction and a subset identified as FTLs.

NOTE

Foreign Transmission Lines (FTL) are defined for transmission and are separate from Distribution Customer Owned Lines (COL).

1.23 EOC Planning Section PSPS Deputy Chief, TAHS, and Transmission Branch Director REVIEW and CONFIRM list of T-line directs and categorize a subset of lines identified for induction, FTLs, and mitigation and SEND to ETEC/ Substation Transmission Operations Emergency Center (STOEC)/GCC.ETEC PERFORMS direct impact analysis.

1. GCC outage coordination team or designee from GCC group CREATES new or UPDATES existing Outage Cards in Transmission Operations Tracking & Logging (TOTL).

2. ETEC PRODUCES direct impact summary for tab in PSPS Playbook and SENDS to EOC Planning Section/TAHS, Transmission Branch Director, EDEC, Substation Transmission Operations Emergency Center (STOEC), System Protection, and CAISO.

3. GCC RESCHEDULEs or CANCELS impacting planned asset maintenance in coordination with STOEC and EDEC (as needed) in order to request CAISO established Restricted Maintenance Operations (RMO) for PSPS activation period and return critical equipment.

4. REVIEW Playbook for load transfer opportunities to see if customers from unaffected circuits can be picked-up.

1.24 IF applicable to event scope,

THEN ETEC informs the Transmission Branch Director that islands may be triggered based on transmission lines impacted in the event.

1. Transmission Branch Director COORDINATES with generators (for example, for Humboldt island), substation and GCC to determine confirm timing of switching to island.

2. IF Islands are confirmed as operational prior to initiation of PSPS event,

   THEN ETEC INCLUDES islanded Transmission lines, generators and substations in the Transmission Playbook with abbreviation ‘ISL’ as indicator.

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1.25 TAHS REVIEWS additions and subtractions to lines recommended for de-energization for potential impacts to lines pre-identified that may have induction risk.

1. STOEC identifies one structure on each open line segment for ideal placement of 3 phase grounds.

1.26 PSPS Technical Unit UPDATES scope with direct impacts and abnormal configurations to CREATE Playbook C, starting with C-01, and EOC Planning Section Situation Unit UPDATES Situation Report. All versions of Playbook C include applicable updates to affected COL, FTL, and related incremental Electric Compliance (EC) and Vegetation Management (VM) tags.

1. EOC Planning Section INCORPORATES the following into Playbook and Situation Report:

- Pre-identified switching
- Temporary generation
- Microgrids
- Islanding

1.27 PSPS Technical Unit PROVIDES PSPS Playbook C to affected stakeholders for analysis and review of abnormal switching.

1.28 PSPS Process Lead CREATES OIC Decision Workbook based on PSPS Playbook C, which contains information used in the OIC B and OIC C decision meeting.

1.29 Situation Unit Leader (EOC Planning Section) DOWNLOADS reports and maps and UPLOADS to EOC SharePoint for Emergency Web.

1.30 PSPS Portal Unit Leader (EOC Planning Section) STAGES reports and maps for External Portal.

1.31 PSPS Technical Unit CREATES and POSTS Agency and customer notifications to EOC SharePoint.

1. Liaison Coordinator REVIEWS Agency notification and SENDS to Customer Notification Hawk.

1.32 Customer Notification Hawk REVIEWS customer notification files.

1.33 Situation Unit PREPARES Cal OES Form as needed in anticipation of OIC Decision B meeting.

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1.34 EDEC REVIEWS Playbook C and PERFORMS the following for change in scope to previous Playbook:

1. IDENTIFIES abnormally configured distribution circuits and equipment limitations that could impact scope of the event and SENDS descriptions of both to Distribution Branch Director.
2. When necessary DCC RESCHEDULES or CANCELS planned asset maintenance.

NOTE

Abnormally configured circuits require the DCC to modify applicable switching log(s) as needed to ensure those circuits are properly de-energized according to the Playbook. These will be identified in the Playbook by EOC Planning Section/PSPS Technical Lead in a tab format to ensure visibility to all.

1.35 DCC/GCC RESTORE circuits/lines to normal configuration, where applicable, in advance of a PSPS event.

1.36 The following roles REVIEW direct impacts, wildfire risks, and maps resulting in recommendation to OIC regarding the list of transmission lines used for Total Impact Analysis (i.e., power-flow studies)

- EOC Planning Section Chief
- EOC Planning PSPS Deputy Chief
- Transmission Asset Health Specialist (TAHS)
- Transmission Branch Director
- ETEC Lead
- EDEC Lead

1.37 TAHS SENDS the list of transmission lines to be studied for de-energization to the Digital Strategy Lead for staging so it can be posted to PG&E's Federal Energy Regulatory Commission (FERC) Standards of Conduct website.

1.38 Prior to OIC decisions B/C the PSPS Process Lead schedules a call with EOC Commander, Operations Chief, Planning Section Chief, Deputy PSPS Planning Section Chief, and PSPS Technical Unit Leader to review the distribution playbook and align on the ETOR's to be included in the upcoming playbook and resulting notifications. This meeting normally occurs during the night shift and adjustments may occur during day shift.

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1.38 (continued)

1. IF Standard,

   THEN calculate the ETOR using the actual weather “All Clear + 24 hours.”

   OR

2. IF Custom,

   THEN calculate ETOR based on known facts and field intelligence (i.e., resources available, circuit miles)

3. Once the ETOR’s are agreed upon, PSPS Process Lead (night shift) DISSEMINATES the ETOR information (time & date) for the event to both the day and night IC, Operations Chiefs, Planning Section Chiefs, Deputy Planning Section PSPS Chief, Notification Hawk, and other PSPS Process Leads.

4. After an OIC decision meeting

   a. IF there are changes to ETOR’s after the Playbook has been created and all plan collateral have been staged or finalized,

      THEN the ETOR will be updated during the next scope change.

1.39 OIC APPROVES lines-in-scope for Total Impact Analysis based on ETEC’s direct impact analysis. This decision is designated OIC Decision B.

1.40 REC DRAFTS resource plan based on the scope of the event and posts on EOC SharePoint (REC fills in template provided by EOC).

1.41 REC ALLOCATES in-region T200 and CCM resources as needed.

1.42 REC SUBMITS requests to Resource Unit Leader. for any incremental resources needed through EOC request process.

1.43 EOC/Resource Management Lead ALLOCATES centralized resources (ex: Systems Inspection, GC, MPP Contract, etc.) and COMMUNICATES these moves via email to both the Resource Owner and the receiving REC.

1.44 The Receiving REC REPLIES back with reporting instructions per the EOC template.

1.45 Resource Management Leader (EOC Planning Section) SENDS out dispatch instructions for centrally allocated resources to Resource Owners and sending RECs.

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NOTE

Resource requests, allocations, and crew dispatches may continue through planning, de-energization, and restoration phases based on changing scope and possible damage found.

1.46 OIC APPROVES sending out initial customer notifications based on direct impact analysis identified in Playbook C. This decision is designated OIC Decision C.

1.47 PSPS Portal Leader PUBLISHES PSPS Portal, Digital Strategy PUBLISHES Priority Notice PGE.com/Emergency Web (including address look-up tool), and Situation Unit SUBMITS Cal OES Form as needed.

1.48 Watch Notification / Initial Customer Notification (2-1 days prior to de-energization)

1. Liaison Coordinator PREPARES notifications and SENDS to Notification Hawk.

2. Notification Hawk SENDS OUT notifications to state agencies, cities, counties, tribes, and CCAs.

   a. Notifications include:

      (1) Estimated date and time of de-energization window

      (2) Estimated date and time “weather all-clear”

      (3) ETOR

3. Notification Hawk SENDS OUT notifications to Public Safety Partners / Level 1 Critical Customers (includes water agencies and telecommunications companies, and hospitals), non-Medical Baseline residential customers, commercial customers, Level 2 Critical Customers, Level 1 and Level 2 Schools, Medical Baseline customers, Master Meter Medical Baseline customers, Self-Identified Vulnerable customers (SIV) and if known microgrid customers.

   a. Notifications include:

      (1) Estimated date and time of de-energization window

      (2) Estimated date and time weather “all-clear”

      (3) ETOR

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1.48 (continued)

4. CIL PREPARES notification file and SENDS to Notification Hawk.

5. Notification Hawk SENDS OUT notifications to affected wholesale customers, transmission customers, and municipalities.

   a. Notifications to wholesale customers may include:

      (1) Substation name and transmission line name

      (2) Listing of Counties affected by de-energization

      (3) How to contact PG&E's Transmission Grid Control Center

   b. Notifications to transmission customers and municipalities may include:

      (1) Substation name and transmission line name.

      (2) Warning that imminent PSPS event will cause significant power flow deviations that may have an impact on the fault duty at the point of connection and potentially put protective equipment "at risk" of not operating as designed if settings are not properly adjusted.

      (3) How to contact PG&E's System Protection Engineering to receive anticipated fault duty needed for protection of settings.

NOTE

1. For possible scope increases Liaison Coordinator/CIL PREPARES additional files and SENDS to Notification Hawk , who then SENDS out notifications to customers not yet notified.
2. IF warranted , the Liaison Coordinator/CIL PREPARES notification files and SENDS to Notification Hawk, who then SENDS out a Cancelation Notification to customers descoped from the event.

1.49 TAHS SENDS approved list of transmission lines Total Impact Analysis to ETEC.

1.50 ETEC PERFORMS Total Impact Analysis and SENDS updated Transmission Playbook to System Protection, EDEC, Transmission Branch Director, and TAHS.

1. The results of the scenario analysis determine requirements for off-loading customers, GCC switching log-writing, and additional resource requirements for operating manual devices.

2. ETEC and CAISO EXCHANGE insights to RECONCILE and CONFIRM additional operational requirements for implementation.

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1.50 (continued)

3. ETEC REVIEWS operational requirements with GCC and provides to system protection team for Fault Duty Analysis and System Protection DOCUMENTS setting

4. CAISO, System Protection and Transmission Operation Engineers (TOEs) AGREE on the operational requirements for the implementation of PSPS.

5. ETEC IDENTIFIES the requirements for implementing rotating outages in-coordination with CAISO (if needed).

6. ETEC PRODUCES Total Impact Summary for Playbook D and SHARES with EDEC, EOC, STOEC, System Protection, and CAISO.

7. GCC Outage coordination team or designee CREATES new or UPDATES existing outage cards via TOTL.

1.51 ETEC IDENTIFIES a prioritized sequence for de-energization of electric grid elements to include load, generation, and other assets, in coordination with STOEC, EDEC, and CAISO.

1.52 TAHS REVIEWS additions and subtractions to lines recommended for de-energization for potential impacts to lines pre-identified that may have induction risk.

1.53 TAHS REVIEWS Playbook and UPDATES list of induction risk lines.

1.54 TAHS UPDATES list of induction risk lines and SENDS to STOEC/ETEC/GCC.

1.55 EOC and STOEC IDENTIFY Transmission Leads to coordinate grounding on induction risk lines.

1.56 PSPS Portal Leader PUBLISHES PSPS Portal and / Digital Strategy PUBLISHES Priority Notice, and PGE.com/Emergency Web (including address look-up tool) as needed.

1.57 Watch Notification (1 day prior to de-energization)

1. PSPS Technical NOTIFIES Notification Hawk that notification files are posted on EOC SharePoint.

2. Liaison Coordinator PREPARES notifications and SENDS to Notification Hawk.

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1.57 (continued)

3. Notification Hawk SENDS OUT notifications to state agencies, cities, counties, tribes, and CCAs.
   a. Notifications include:
      (1) Estimated date and time of de-energization window
      (2) Estimated date and time weather “all-clear”
      (3) ETOR
4. Notification Hawk SENDS OUT notifications to Public Safety Partners / Level 1 Critical Customers (includes water agencies and telecommunications companies, and hospitals), non-medical baseline residential customers, commercial customers, Level 2 Critical Customers, Level 1 and Level 2 Schools, Medical Baseline customers, Master Meter Medical Baseline customers, Self-Identified Vulnerable (SIV), and microgrid customers.
   a. Notifications include:
      (1) Estimated date and time of de-energization window
      (2) Estimated date and time weather “all-clear”
      (3) ETOR
5. Notification Hawk/CIL SENDS OUT notifications to affected wholesale customers, transmission customers, and municipalities.
   a. Notifications to wholesale customers may include:
      (1) Substation name and transmission line name
      (2) Listing of Counties affected by de-energization
      (3) How to contact PG&E’s Transmission Grid Control Center
   b. Notifications to transmission customers and municipalities may include:
      (1) Substation name and transmission line name
      (2) Warning that imminent PSPS event will cause significant power flow deviations that may have an impact on the fault duty at the point of connection and potentially put protective equipment “at risk” of not operating as designed if settings are not properly adjusted.
      (3) How to contact PG&E’s System Protection Engineering to receive anticipated fault duty needed for protection of settings.

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NOTE

When changes to event scope are made after PSPS Watch Notifications have been sent out, Liaison Coordinator and CSO SEND OUT notifications to customers not yet notified.

IF warranted, the Liaison Coordinator and CSO SEND OUT a Cancelation Notification to those descoped from the event.

1.58 PSPS Technical Unit UPDATES scope with indirect transmission impacts to create Playbook D, starting with D-01, and EOC Planning Section/Situation Unit Updates the Situation Report. All versions of Playbook D include applicable updates to affected COL, FTL, and related incremental EC and VM tags.

1.59 EDEC REVIEWS updated scope and DISCUSSES Playbook D with ETEC.

1.60 EDEC REVIEWS Playbook D and PERFORMS the following for changes in scope to previous Playbook:

1. IDENTIFIES abnormally configured distribution circuits and equipment limitations that could impact scope of the event and SENDS descriptions of both to Distribution Branch Director.

2. When necessary DCC RESCHEDULES or CANCELS planned asset maintenance.

1.61 PSPS Technical Unit Leader UPDATES Playbook as necessary.

1.62 PSPS Process Lead UPDATES the OIC Decision Workbook according to ETEC power flow analysis which contains information used in the OIC D and E decision meeting.

1.63 EOC Planning Section Chief, EOC PSPS Deputy Planning Section Chief, ETEC, EDEC, and TAHS REVIEW final scope and ALIGN on recommendation to be made to OIC regarding de-energization.

1.64 TAHS SENDS the list of transmission lines to be in scope for de-energization to Digital Strategy Lead for staging so that it can be posted to PG&E's FERC Standards of Conduct website following OIC Decision D approval.

1.65 PSPS Technical Unit Leader UPDATES Playbook D as needed and PROVIDES de-energization Playbook to affected Stakeholders; and EOC Planning Section/Situation Unit UPDATES the Situation Report as needed.

1.66 Situation Unit PREPARES the Cal OES Form as required for Stage 2 (Decision to de-energize).

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1.67 EDEC ADVISES ETEC and EOC of jurisdictional transfer to applicable DCC(s).

1.68 Prior to OIC decisions D/E the PSPS Process Lead schedules a call with EOC Commander, Operations Chief, Planning Section Chief, Planning Section PSPS Deputy Chief, PSPS Tech Unit Leader to review the distribution playbook and align on the ETOR's to be included in the upcoming playbook. This meeting may occur during the night shift and adjustments may occur during day shift.

1. IF Standard,

   THEN CALCULATE the ETOR using the actual weather "All Clear + 24 hours."

2. OR

3. IF Custom,

   THEN CALCULATE ETOR based on known facts and field intelligence (i.e., resources available, circuit miles)

4. Once the ETOR's are agreed upon, PSPS Process Lead DISSEMINATES the ETOR information (time & date) for the event to both the day and night IC, Operations Chiefs, Planning Section Chiefs, Planning PSPS Deputy Chiefs, Notification Hawk, and other PSPS Process Leads.

5. After an OIC decision meeting

   a. IF there are changes to ETOR's after the Playbook has been created and all plan collateral have been staged or finalized,

      Then the ETOR will be updated during the next scope change.

1.69 IF meteorology scope has changed so that additional customers are impacted according to Playbook D.

THEN OIC MAKES decision to approve the updated final scope and approve additional customer notifications. This decision is designated in the OIC Decision E.

1.70 OIC APPROVES scope based on Playbook D. This decision is designated OIC Decision D.

1.71 Subsequent to Decision D and E approval, Meteorology CONTINUES MONITORING weather conditions, including internal and external forecasts, observed pressure gradients, wind speeds, and HAWC observations.

1. Based on prevailing conditions, PSPS Process Lead may CONVENE a Confirm, Cancel, Delay meeting for Time Places (TPs) in scope.

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1.71 (continued)

2. Meteorology can MAKE a recommendation to confirm de-energization for TPs, cancel TPs if weather conditions do not meet (or are not expected to meet) minimum fire potential conditions or delay de-energization for certain TPs.

3. EOC Commander APPROVES Meteorology recommendation.

4. If used, this process may be repeated until all TPs are either approved for de-energization or are cancelled.

1.72 EDEC PROVIDES final Playbook to DCC(s) who then PROVIDE segment guides and switching logs (if necessary) to the applicable PG&E emergency centers (REC/OEC) aligned with DCC jurisdiction.

1. Circuits IDENTIFIED as abnormally configured with regards to segmenting require additional actions/communication between the DCC and Task Force Lead (TFL).

2. IF manual devices are identified in the finalized Playbook,

   THEN the OEC ASSIGNS TFLs as needed.

   a. OECs should RESOURCE TFLs and field switching personnel commensurate with number of manual devices requiring operation in the timeframe allotted.

1.73 Section/Situation Unit DOWNLOADS updated maps and reports and UPLOADS to EOC SharePoint for Emergency Web.

1.74 PSPS Portal Leader STAGES reports and maps for External Portal.

1.75 EOC/EDEC/DCC/ETEC/GCC DETERMINE scope of restoration including prioritization of circuits/lines and available resources (field/aircraft, etc.) and PRE-DETERMINE restoration plan including resources needed to execute once PSPS has been initiated.

1.76 EOC and STOEC IDENTIFY Transmission Patrol Leads to execute/coordinate patrol efforts on circuits and lines with GCC based on scope of restoration.

NOTE

Whenever practicable, the final de-energization Playbook D should be set 12 hours in advance of possible de-energization to allow time for a safer and more efficient preparation and execution of de-energization.

Portions of the Playbook may be de-scoped as needed based on changes in Meteorological forecast versus actual observations.

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1.77 PSPS Portal Unit Leader PUBLISHES PSPS Portal and Digital Strategy PUBLISHES Priority Notice, and PGE.com/Emergency Web (including address look-up tool).

1. Digital Strategy UPDATES FERC site with transmission lines to be in scope for de-energization.

1.78 Warning Notification (Imminent)

1. PSPS Technical Unit NOTIFIES CSO that notification files are posted on EOC SharePoint.

2. Liaison Coordinator PREPARES notifications and SENDS to CSO.

3. Notification Hawk SENDS OUT notifications to state agencies, cities, counties, tribes, and CCAs.

   a. Notifications include:

      (1) Estimated date and time of de-energization window

      (2) Estimated date and time weather “all clear”

      (3) ETOR

4. Notifications Hawk SENDS OUT notifications to Public Safety Partners / First-level Critical Customers (includes water agencies and telecommunications companies, and hospitals), non-medical baseline residential customers, commercial customers, Level 2 Critical Customers, Level 1 and Level 2 Schools, Medical Baseline customers, Master Meter Medical Baseline customers, Self-Identified Vulnerable customers (SIV) and if applicable microgrid customers.

   a. Notifications include:

      (1) Estimated date and time of de-energization window

      (2) Estimated date and time weather “all clear”

      (3) ETOR

   b. Cancellation notifications are sent to customers who are no longer impacted.

5. CIL PREPARES notifications and SENDS to Notification Hawk

6. Notifications Hawk SENDS OUT notifications to affected wholesale customers, transmission customers (including FTL), COL, and municipalities

   a. Notifications to wholesale customers include:

      (1) Premise address

      (2) Listing of Counties affected by de-energization

      (3) How to contact PG&E’s Transmission Grid Control Center

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1.78 (continued)

7. Notification Hawk/CIL CALLS Protective Fault Duty customers.
   a. Information provided includes:
      (1) Warning that imminent PSPS event will cause significant power flow deviations that may have an impact on the fault duty at the point of connection and potentially put protective equipment “at risk” of not operating as designed if settings are not properly adjusted.
      (2) How to contact PG&E’s System Protection Engineering to receive anticipated fault duty needed for protection of settings.

1.79 UPDATE Notification (if weather event is extended for all or only select Time-Places)

NOTE

An UPDATE Notification can be sent out earlier or later in the process if the weather event is extended for all or only select Time-Places or may not need to be sent at all.

1. PSPS Technical Unit NOTIFIES Notification Hawk that notification files are posted on EOC SharePoint.
2. Liaison Coordinator PREPARES notifications and SENDS to Notification Hawk.
3. Notification Hawk SENDS OUT notifications to state agencies, cities, counties, Tribes, and CCAs.
   a. Notifications include:
      (1) Estimated date and time weather “all-clear”
      (2) ETOR
4. Notification Hawk SENDS OUT notifications to Public Safety Partners / Level 1 Critical Customers (includes water agencies and telecommunications companies, and hospitals), non-medical baseline residential customers, commercial customers, Level 2 Critical Customers, Level 1 and Level 2 Schools, Medical Baseline customers, Self-Identified Vulnerable customers (SIV), and Master Meter Medical Baseline customers.
   a. Notifications include:
      (1) Estimated date and time weather “all-clear”
      (2) ETOR

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1.79 (continued)

5. Notification Hawk/CIL SENDS OUT notifications to affected wholesale customers, transmission customers (including FTL), COL and municipalities.

a. Notifications may include:

(1) Length of event extension

1.80 EOC Operations Chief NOTIFIES EDEC/DCC/ETEC/GCC of plan to de-energize facilities listed by Playbook D.

1.81 EDEC/DCC, ETEC/GCC, and STOEC COORDINATE efforts to promote most effective use of field personnel based on de-energization strategy.

1.82 ETEC/EDEC NOTIFIES appropriate Transmission/Distribution Branch Directors of resource need and time to perform function and COMMUNICATES customer or system impacts.

1. GCC works with Transmission Operating Engineering (TOE) and CAISO to determine limitations.

1.83 GCC confirms circuit configuration as provided by the EOC is correct and COMMUNICATES any abnormal configuration to Transmission Branch Director.

1.84 ETEC COMMUNICATES and COORDINATES with System Protection on staggered de-energization sequencing as needed throughout the event.

2 De-energization Procedure

NOTE

1. Messaging of ETOR is performed through messaging tool used for customer notifications sent out by EOC CSO before de-energization.
2. Only after weather “all clear” in Section 3 do OECs take over ETOR updating using OMT.

2.1 Situation Unit SUBMITS the Cal OES Form as required for Stage 3 (De-energization Initiated).

2.2 Distribution Branch Director NOTIFIES EDEC for DCC to PROCEED with de-energization and CONFIRMS approved Playbook D (including revision letter/number).

1. EDEC CONFIRMS approved Playbook version with applicable DCC(s) along with approval to de-energize.

2.3 Transmission Branch Director NOTIFIES GCC to proceed with de-energization and PROVIDES approved Playbook (including revision letter/number).

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2.4 DCC FOLLOWS procedures to sequentially de-energize facilities per approved Playbook D and COMMUNICATE to EOC/EDEC when issues arise.

1. FLISR schemes that are a part of the de-energization plan must be DISABLED at the feeder level during these events.

2. DCC DOCUMENTS switching instructions during events on a Switching Log per Utility Standard TD-2700S and associated procedures referring to switching logs.

a. IF there is no switch log.

EDEC PTHEN DOCUMENT switching instructions in ILIS.

3. In cases of manual devices being utilized to de-energize, the operator PROVIDES switching instructions to the TFL to PERFORM switching to OPEN devices to DE-ENERGIZE.

2.5 GCC FOLLOWS procedures to sequentially de-energize facilities per approved Playbook D and COMMUNICATES to ETEC when issues arise.

1. GCC DOCUMENTS switching instructions during an event per Utility Standard TD-1400S and associated procedures.

a. GCC COMMUNICATES to impacted transmission customers just prior to de-energization.

b. GCC ESTABLISHES a clearance per standard procedure for induction risk lines prior to weather start per TD-1464S requirements for actions that could likely result in a spark, fire or flame.

2.6 Electric T&D Qualified Electrical Worker (QEW) REPORTS onto clearance to GCC and EXECUTES grounding per Grounding Manual guidelines and TD-1464S requirements for actions that could likely result in a spark, fire or flame at previously identified structures on induction risk lines.

1. Once line is grounded, Electric T&D QEW REPORTS status of grounded line to STOEC.

2.7 STOEC COLLECTS lines grounded and REPORTS list of grounded lines to EOC and ETEC.

2.8 DCC NOTIFIES EDEC and GCC NOTIFIES ETEC that de-energization is completed.

1. EDEC NOTIFIES Distribution Branch Director or designee that de-energization per approved Playbook is completed.

a. EDEC NOTIFIES Distribution Branch Director or designee of deviations from Playbook including a brief description.

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b. Distribution Branch Director or designee NOTIFIES EOC Planning Section/PSPS Technical Lead of any deviations to Playbook.

2. ETEC NOTIFIES Transmission Branch Director or designee that de-energization approved Playbook is completed.

a. ETEC NOTIFIES Transmission Branch Director or designee of deviations from Playbook including a brief description.

b. Transmission Branch Director or designee NOTIFIES EOC Planning Section/TAHS of any deviations to Playbook.

2.9 Information Technology Customer Care (ITCC) NOTIFIES CSO and Liaison Coordinator that notification files are posted on EOC SharePoint by requested Time-Place.

2.10 De-energization Notification

1. Liaison Coordinator PREPARES and SENDS e-mail notifications or phone notifications to state agencies, cities, counties, Tribes.

a. Notifications include:

(1) Confirmation of de-energization

(2) Notice of upcoming customer notification for de-energization

(3) Optional: ETOR and/or Estimated date and time weather “all clear”

2. CSO SENDS OUT notifications to Public Safety Partners / First-level Critical Customers (includes water agencies and telecommunications companies, and hospitals), non-medical baseline residential customers, commercial customers, Level 2 Critical Customers, Level 1 and Level 2 Schools, Medical Baseline customers, Master Meter Medical Baseline customers, Self-Identified Vulnerable customers (SIV) and if applicable microgrid customers.

a. Notifications include:

(1) Confirmation of de-energization

(2) ETOR

2.11 GCC operators shall LOG outages associated with this event with a Transmission Operation Tracking and Logging (TOTL) Card ENTERING the following attribute or purpose:

- “De-energized, Wildfire Mitigation with PSPS”

2.12 DCC operators must:

1. LOG outages associated with this event in Integrated Logging Information System (ILIS) SELECTING the following Event Outage Cause:

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- "Wildfire Mitigation"
- "Public Safety Power Shut-off"

2. UTILIZE DMS Open and Create PSPS feature and ILIS checkbox feature when creating PSPS outages, which auto-populates IVR Cause Code to Public Safety and adds PSPS in Assigned DO column in OMT. If not used, requires "SELECT "Public Safety" in OMT for the Interactive Voice Response (IVR) Cause Code 31.

2.13 DCC SEGMENTS PSPS impacted distribution circuits following de-energization based on pre-identified locations per the approved Playbook D and PSPS Circuit Segment Guides.

NOTE

1. For more information, see the PSPS Restoration SharePoint for segment guides, maps, and switching logs to obtain necessary documents.
2. Specific details apply to PSPS outage documentation regarding usage of the open and create function for segmenting. For more information, see PSPS Restoration SharePoint Training under Operator Training for details regarding Segment Guides, Logging and Switching Logs.

1. DCC WORKS with OEC to identify segmenting strategy (i.e., Manual Device/Fuse Operation).

2. Once TFLs are identified, DCC and applicable TFL(s) DISCUSS critical information such as abnormally configured circuits and their status which includes the applicable switching logs and segmenting guides to ensure both parties are aware of the necessary actions to address these circuit(s).

3. TFLs ENSURE all activities are communicated within their assigned circuit structure (i.e., segment leads) and externally to the assigned DCC and OEC Operations Section Chief.

2.14 DCC operator UTILIZES the open and create function in DMS. There will normally be one Integrated Logging Information System (ILIS) Event Number (Switching Log number) per circuit with all downstream outages on that circuit being associated to the ILIS Event Number.

1. DCC operators ENSURE that when outages are created, that the applicable level and cause are properly selected.

2.15 Situation Unit REFERENCES the most current de-energization Playbook and Plan (Situation Report iteration) to ENTER ETORs as circuits are taken offline and are reflected in OMT.

1. COMBINES ETORS in Situation Report by time-place taken from PSPS Viewer and Playbook listing circuits by time-place and INPUTS ETORS per circuit into OMT.

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NOTE
No handoff information needs to occur between Situation Unit and OEC.

2.16 EOC Planning Section and EDEC IDENTIFY switching opportunities to reduce customer impact given assets at risk.

2.17 PSPS Technical UNIT CONFIGURES the PSPS Viewer to the abnormal/ normal configuration based on input from EDEC.

Steps 2.18 – 2.22 only apply under the following conditions:

- 1. Occurs after de-energization but before the next grouping of weather “all clears”.
- 2. Forecasted weather “all clear” times are shifted to the next day.

2.18 PSPS Process Lead IDENTIFIES occurrence on PSPS Timeline

2.19 Meteorology PROVIDES update of forecasted weather “all clear” times for all uncleared All Clear Zones.

1. CALLS OUT times and All Clear Zones where the forecast gets pushed to the next day.

2.20 PSPS Technical Unit CALCULATES the new ETOR based on the Time Place of the “All Clear Zone” and the impacted circuit.

1. IF for the Time Place the standard method was previously used,

   THEN calculate the ETOR using the new weather “All Clear + 24 hours.”

   OR

2. IF for the Time Place the custom method was previously used,

   THEN calculate ETOR based on the new forecasted weather “all clear” + delta from previous iteration

2.21 Situation Unit enters the new ETOR per impacted circuit for any PSPS outage in OMT that has not been cleared.

1. IF a circuit has two or more different ETORs,

   THEN the Situation Unit and PSPS Technical Unit need to work together

2.22 EOC Commander, Operations Chief, Planning Section Chief, PSPS Deputy Planning Section Chief, CSO, and PSPS Process Lead should decide whether or not to send an additional customer notification.

1. IF yes,

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THEN the Notification Hawk and ITCC will work together to produce an UPDATE customer notification.

2. IF no,

   THEN the “INSPECT” notification is the next notification customers will receive. EOC Planning Section and EDEC REVIEW switching options after de-energization for opportunities to restore customers without energizing assets at risk.

3. IF switching opportunities are available to restore customers without energizing assets at risk,

   THEN with EOC Commander approval restoration may occur prior to the weather “all clear” and DETERMINE if patrol is required.

3 Restoration Procedure

3.1 Resource Owner SENDS to EOC Planning Section/Resource Unit Leader a resource roster for specific dispatch instructions.

NOTE
Step 3.1 may occur in advance of Section 3 Restoration Procedure.

3.2 Resource Owners/Providing RECs DISPATCH centrally allocated resources according to EOC dispatch orders.

3.3 Weather “All Clear”

1. Meteorology MONITORS weather conditions for weather “all-clear”.

2. Prior to the OIC Decision “F” meeting, Meteorology PROVIDES the EOC Planning Section a forecast of weather “all clears” for the PSPS event.

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3.3 (continued)

NOTE
De-energization Playbooks end with Playbook D.
Restoration Playbooks only use Playbook F.
There is not a Playbook with the alphabetical letter “E”.

3. Based on forecast of weather “all clears”, EOC Planning Section CREATES a Restoration Playbook F00_Forecast:

   a. A “Forecast All Clears” tab in the Restoration Playbook displays a column of the Meteorology “Forecast All Clears” for each circuit source side device (SSD) impacted by the PSPS event, along with the associated segment-patrol guides

   b. An “Approved All Clears” column in the Restoration Playbook displays the approved (actual) “all clears” as and when they occur, and the corresponding forecasted “all clears” are grayed out.

   c. A “Restoration Summary Approved” tab in the Restoration Playbook displays sequence of “all clears” for each OIC Decision “F” “all clear” meeting.

4. EOC Planning Section/PSPS Technical Lead SHARES Restoration Playbook F-00_Forecast with the EOC Operations Chief in advance of the initial OIC Decision F meeting, by sending e-mail with a link to EOC SharePoint and attached Restoration Playbook F. EOC Operations Chief shares this data with EOC Field Operations Teams.

5. EOC Operations USES Restoration Playbook F00_Forecast to pre-stage resources for patrols, so that patrolling can commence as soon as possible when OIC DECLARES weather “all clears”.

6. EOC Commander and Operations Section Chief, along with PSPS Process Lead, GAIN alignment to determine whether to revise ETOR and what method to use, standard or custom method.

   a. IF the actual weather “all clear” changes,

      THEN revise ETOR.

      (1) IF Standard,

         THEN calculate the ETOR using the actual weather “All Clear + 24 hours.”

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3.3 (continued)

(2) IF Custom,

THEN calculate ETOR based on known facts and field intelligence (i.e., resources available, circuit miles).

b. Planning Section Chief or Deputy Planning Section Chief COMMUNICATES revised ETORs to PSPS Technical Unit for entry into the forecast restoration playbook (Decision F). Then PSPS Technical Unit UPDATES ETORS in PSPS Viewer and in Restoration Playbook F00_Forecast.

7. Meteorology RECOMMENDS weather “all clears” based on improved weather conditions applied to pre-defined “All Clear Zones” methodology; due to the large geographic span of some Fire Index Areas (FIA), Meteorology has divided FIAs into pre-defined boundaries to allow for varying geographic weather conditions.

8. Based on Meteorology’s recommendations, EOC Commander RECOMMENDS to OIC to start restoration activities (i.e., weather “all clear”), for “All Clear Zones”, or globally for all areas previously de-energized for PSPS.

a. OIC ISSUES the weather “all clear” separately for each PSPS impacted area as applicable. This decision is designated OIC Decision F.

NOTE

Generally, at the first Decision F meeting EOC Commander seeks approval for OIC to delegate authority to clear remaining FIAs “All Clear Zones” based on safe weather conditions for remainder of the Operating Period. Once Approval is provided by OIC, EOC Commander can then approve weather all clears for the remaining “All Clear Zones” at each subsequent Decision F meeting, in the absence of the OIC.

b. With the first OIC Decision F, the “Restoration Playbook F00_Forecast” is then renamed “Restoration Playbook F01_Approved”. This playbook notes which areas have been approved for weather “all clears” and which areas will have to be approved in subsequent OIC Decision F meetings.

IF OIC APPROVES weather “all clear” for all affected All Clear Zones”

Then there is one OIC Decision F meeting and only one Restoration Playbook F01_Approved.

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3.3.8 (continued)

c. IF OICAPPROVES weather “all clears” for specific area/s only,

THEN recommendations made at subsequent OIC Decision “F” meetings will address remaining areas with subsequent Playbooks identified according to each of these meetings (i.e., F01_Approved, F02_Approved, etc.)

9. Following each OIC Decision F meeting, PSPS Recorder immediately INPUTS the approved All Clear Time and the corresponding approved “All Clear Zones” into a file in PSPS Situational Intelligence Platform (PSIP) and SAVES file.

a. PSPS Recorder SENDS a message to the PSPS Technical Unit Leader that this action is complete.

10. Following each OIC Decision F, PSPS Technical Unit USES PSIP to enter approved “All Clear Zones” and corresponding time stamps into Restoration Playbook.

11. PSPS Technical UNIT UPDATES two tabs in the “Restoration Playbook F01_Approved” to reflect the approved weather “All Clear Zones” and time stamps and SENDS the “Restoration Playbook F01_Approved” file to the EOC Operations Chief, who then CASCADES Playbook to a pre-determined list of affected stakeholders in field operations.

a. This process is repeated for every subsequent OIC Decision F meeting until all areas de-energized for PSPS have been declared weather “all clear”. At the last OIC Decision F meeting the Restoration Playbook F has weather “all clears” for All Clear Zones.

12. EOC Operations Chief SENDS e-mail with link to EOC SharePoint site and attached UPDATED “Restoration Playbook F01_Approved” file to ETEC/EDEC/ RECs), OECs, and OMT Hawks. This step is repeated for every new Playbook F that is approved.

13. RECs and OECs INTEGRATE their current distribution list to incorporate the “Restoration Playbooks F01_Approved” file and SHARE it with Task Force Leads (TFL) and restoration teams. This step is repeated for every new Playbook F that is approved.

14. Situation Unit SUBMITS Cal OES Form for Stage 4 (Initiating Re-energization Patrols) after OIC Decision F.

3.4 **Restoration Planning**

1. EOC Operations Chief PROVIDES ETEC/EDEC and impacted REC/OECs “Restoration Playbook F01_Approved” with transmission lines and distribution circuits (or portions thereof) which require a patrol.

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3.4 (continued)

2. Prior to weather “all-clear” issued by OIC, ETEC INITIATES Restoration Sequence Planning and CREATES an operating plan for restoration of applicable lines to normal service including load, generation, system protection settings, and other assets.

   a. ETEC and GCC CREATE a prioritized sequence for patrolling the de-energized transmission assets in coordination with EDEC, STOEC, System Protection, and CAISO.

      (1) STOEC PROVIDES feedback to ETEC when transmission plan cannot be executed.

      (2) GCC VALIDATES restoration sequence and timing with CAISO.

      (3) ETEC COORDINATES with STOEC and EDEC to DETERMINE Transmission ETOR and SHARES with Transmission Branch Director.

      (4) Transmission Branch Director COMMUNICATES ETOR to EOC Operations Chief.

      (5) Operations Chief COMMUNICATES ETOR to key field groups (REC/OEC).

   b. STOEC and REC/OEC DETERMINE and IDENTIFY resource requirements for patrol and restoration of applicable circuits/lines and COMPARE to Resource Plan provided by Planning Section. CONFIRM total resource needs with Planning Section. IF additional resources are needed, REQUEST resources from Planning Section. UPDATE ARCOS with actual resources and prepare to send or receive resources as needed.

3. PSPS Portal Leader PUBLISHES PSPS Portal and CSO/Digital Strategy PUBLISHES Priority Notice, and PGE.com (including address look-up tool).

3.5 **Weather “All Clear” Notification**

1. Liaison Coordinator PREPARES notifications and SENDS to CSO.

2. Notification Hawk SENDS OUT notifications to state agencies, cities, counties, Tribes, and CCAs.

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3.5 (continued)

3. Notification Hawk PROVIDES approval for OMT notification automation to be turned ON which will deliver notifications to Message Broadcast for delivery to impacted Public Safety Partners / First-level Critical Customers (includes water agencies and telecommunications companies, and hospitals), non-medical baseline customers, commercial customers, Level 2 Critical Customers, Level 1 and Level 2 Schools, Medical Baseline customers and any other impacted Service Point.

   Notifications include notice of inspections and estimated date and time of Restoration (ETOR).

4. Notification Hawk REQUESTS BAT to enable notification automation for weather “all clear”, “ETOR Update” and “Restored”.

5. BAT ENABLES notification automation.

6. EOC Operations Chief NOTIFIES ETEC, EDEC, STOEC, REC, and OEC of approval to begin restoration (patrol and re-energize as safe to do so) on identified circuits and lines/line segments in impacted areas that have received weather “all-clear.”

NOTE

Once the weather “all-clear” has been given by the OIC for a given PSPS impacted area(s), subsequent ETOR management is no longer performed by the EOC, but is continued by the associated OEC, which uses OMT for ETOR updates.

7. CIL NOTIFIES OEC CSO/DOS to communicate (call or text) with COL customers confirming equipment is safe to restore, or more time is needed to inspect equipment and make repairs. Delay in response may hinder power restoration to you and potentially other customers

   a. CIL to monitor COL until weather “all clear” and route to OEC CSO/Division Operations Specialist (DOS) to work with Electric Operations.

   b. OEC CSO/DOS to monitor COL in OMT until Restoration.

NOTE: Starting August 1, 2022 step 3.5.8 will replace step 3.5.7

8. Notification Hawk/CIL NOTIFIES COL customers to respond via Chat Bot URL (e-mail/text) acknowledging equipment is safe to restore, or more time is needed to inspect equipment and make repairs. Delay in response may hinder power restoration to you and potentially other customers

   a. Backup Generation (BUG) Lead/CIL MONITORS Chat and ROUTES to OEC CSO/DOS to work with Electric Operations.

   b. BUG Lead/CIL MONITORS and ROUTES list of COL customers not acknowledging to OEC CSO/ DOS.

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3.6 Field Operations Restoration

1. OEC IC COMMUNICATES to field personnel to begin patrol and restoration of circuits approved for restoration listed in the approved restoration Playbook.

2. OEC IC ASSIGNS “ETOR Hawk” who is responsible for ETOR Management and PROVIDES guidance to OEC support staff to ENTER ETOR updates in OMT.

3. OEC IC or delegate evaluates and determines possible updates to ETOR based on the approved Restoration Playbook F, and the restoration strategy.

    a. IF OEC IC or delegate determines that the ETOR needs to be updated,

        THEN OEC IC or delegate communicates to OEC personnel to update OMT.

4. OEC personnel PERFORM all three steps (a-c) in one transaction in OMT, upon receipt of Restoration Playbook F provided by the EOC for circuits cleared for patrol and restoration:

    a. ENTER All Clear Timestamp (date/time) listed in the approved Restoration Playbook F.

    b. ENTER the updated ETOR.

    c. CHANGE the IVR cause to Public Safety **Patrolling** code 34. This task triggers the All Clear customer notification if the auto notification has been enabled in OMT by Notification Hawk.

5. OEC ETOR Hawk should actively MONITOR patrol progress and manage ETOR updates based on field intelligence provided by the TFLs.

6. OEC UPDATES the percentage of patrol complete when possible hourly in increments of 5% or 10% in OMT.

7. OEC UPDATES post weather event ETOR using OMT as follows:

    a. Careful attention and thought should be taken when UPDATING ETORs in order to minimize customer notification fatigue and to provide an accurate ETOR**.**

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3.6.7 (continued)

NOTE
1. After initial ETOR has been entered in OMT, every time an ETOR is updated/changed triggers a system generated automatic customer notification with the updated ETOR only when the auto notification is enabled in OMT by the Notification Hawk. ETOR communications to impacted customers are generated in OMT and SENT in batches via messaging service (for example, Message Broadcast).

b. ETOR updates should be as accurate as possible and DEVELOPED based on real time data, field Intelligence (i.e., resources, daylight), and situational awareness acquired through patrols.

c. ETOR accuracy is defined by the following criteria:

All customers who are restored within the following bounds:

(1) Restoration time is less than 120 minutes before, or 15 minutes after the communicated ETOR.

(2) A maximum of 2 updates are permitted to follow an All Clear notification.

(3) Any ETOR update must be completed before the current ETOR has expired.

d. OEC may group up to three sequential circuit segments with a common ETOR.

e. OEC(s) should add one additional hour when updating an ETOR for switching to energize customers.

f. IF restoration is expected to be sooner than the current ETOR,

THEN UPDATE given circuit segments ETOR based on field intelligence.

g. IF initial ETOR is expected to expire prior to projected restoration (may include delay due to damage),

THEN UPDATE given circuit segments ETOR based on field intelligence.

h. IF damage is FOUND on a given outage,

THEN UPDATE OMT Cause to “Public Safety Repair” Code 33,

THEN UPDATE ETOR for given circuit segments based on field intelligence.

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3.6.7 (continued)

i. OEC shall CONSIDER downstream segments potentially impacted by damage for additional ETOR updates.

IF the OEC IC DETERMINES fire damage has occurred on circuits in a PSPS status,

THEN the OEC UPDATES cause code to “Fire” cause code.

NOTE

1. Selecting “Fire” cause code is used only when circuits have become damaged by fire. Circuits starting within the PSPS footprint that then become damaged by fire, should have the associated cause code changed from “Public Safety” or “Public Safety Patrolling” cause to “Fire” to ensure the outage is accurately identified in OMT.
2. For no access due to fire, the cause code remains “Public Safety” or “Public Safety Patrolling” and a reason code is entered for no access due to fire.

3.7 OEC ETOR Hawk MONITORS circuits

1. OEC ETOR Hawk MONITORS circuits approaching the 24-hour threshold for restoration based on the “all clear” time.

2. OMT color-codes outages.

a. IF PSPS restoration outage exceeds 24 hours after weather “all clear”,

THEN OEC ENTERS a reason in the outage remarks field using the drop-down menu in OMT.

3.8 Restoration Patrol Requirements

1. All impacted transmission and distribution overhead lines that are IDENTIFIED as “event specific assets at risk” in High Fire Risk Area (HFRA) as directed by the EOC must be PATROLLED in their entirety and all found trouble must be isolated or cleared prior to energizing.

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3.8.1 (continued)

a. For Transmission:

(1) PATROL the de-energized sections of all lines with identified “event specific assets at risk” as directed by the EOC.

IF additional de-energized transmission lines not required by the EOC to be patrolled are identified at the local level (GCC/T-line) to be considered for a patrol,

THEN STOEC COMMUNICATES with Transmission Branch Director to gain approval for additional patrol from EOC Commander.

b. For Distribution:

(1) PATROL all impacted primary (and secondary that extends beyond primary) overhead lines identified as “event specific assets at risk” as directed by the EOC. Secondary does not include service drops.

IF additional de-energized distribution lines not required by the EOC to be patrolled are identified at the local level (OEC/DCC) to be considered for a patrol,

THEN REC/EDEC COMMUNICATES with the Distribution Branch Director to gain approval for additional patrol from EOC Commander.

(2) For joint use privately owned lines (POLs) PG&E PROVIDES a courtesy patrol of distribution POLs after the weather “all-clear” is given and prior to re-energization.

IF damage is IDENTIFED on a POL during a patrol,

THEN patrol personnel COMPLETE and SUBMIT TD-2014P-01-F01, Third Party Non-Utility Notification of Non-Conformance Form to NOTIFY owner of the need for repair and that PG&E will not re-energize until the POL owner has COMPLETED repairs.

PG&E NOTIFIES additional customers that are served off of a damaged POL of continued de-energization until damage to non-PG&E- asset(s) is REPAIRED by POL owner.

(3) For customers metered at primary voltage, once the weather “all-clear” is given, PG&E PATROLS Company owned lines to the point of service with Customer-owned lines/equipment.

- Customers RECEIVE automatic messaging through messaging service that facility has been de-energized.

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3.8.1.(b) (continued)

- OEC CSO/DOS NOTIFY COL customer following the weather "all-clear" that the Customer is required to VERIFY that their equipment is both safe and ready to be energized when PG&E is able to do so. COL customer CONFIRMS to OEC CSO/DOS that their equipment is both safe and ready to be energized when PG&E is able to do so.

- OEC CSO/DOS NOTIFIES electric partners safe to re-energize.

- IF additional time is necessary to make inspection and/or make repairs,

  THEN OEC CSO/DOS NOTIFIESs electric partners.

- OEC CSO/DOS MONITOR COL in OMT until Restoration

NOTE: Starting August 1, 2022 step 3.8.1.b.(4) will replace step 3.1.8.1.b.(3)

(4) For customers metered at primary voltage, once the weather "all-clear" is given, PG&E PATROLS Company owned lines to the point of service with Customer-owned lines/equipment.

- Customers receive automatic messaging through messaging service that facility has been de-energized.

  Automatic messaging NOTIFIES COL customer following the weather "all-clear" that the Customer is REQUIRED to verify that their equipment is both safe and ready to be energized when PG&E is able to do so. COL customer CONFIRMS to PG&E through Chat BOT that their equipment is both safe and ready to be energized when PG&E is able to do so.

- IF additional time is necessary

  THEN CIL DIRECTS specific COL to Division OEC CSO and electric partners.

  Automatic messaging NOTIFIES COL customer that facility has been re-energized.

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3.8 (continued)

2. For the scenario described below, a complete patrol is not required.

   a. Circuits or segments de-energized during a PSPS event that are not "event specific assets at risk" unless the EOC DIRECTS otherwise.

3. STOEC EXECUTES Transmission patrol restoration plan on lines based on event scope.

NOTE
Inability to return critical transmission assets may require revised review and subsequent Restoration Plan adjustments.

4. IF additional resources are needed to support restoration activities,

   THEN the appropriate party COMMUNICATES to EOC to request additional resources.

5. EOC, ETEC/GCC, EDEC/DCC, STOEC, REC, and OEC ENSURE coordination between all field resources to maximize efficiency in restoration efforts throughout the event.

6. GCC/ETEC COORDINATE PATROL of de-energized transmission lines IDENTIFIED by EOC as "event specific assets at risk" for damage to assess status for restoration/repair.

   a. Do not ENERGIZE transmission equipment if it will energize distribution equipment that has not been isolated or patrolled.

7. DCC supported by EDEC DIRECTS distribution restoration efforts under the following guidelines.

   a. Applicable OEC(s) IDENTIFY and UTILIZE TFLs as the single point of contact for designated distribution circuits to the appropriate DCC during the PSPS restoration process, including any needed repairs.

   b. Operators can further SECTIONALIZE a segment beyond what is already included in the applicable Segment Guide when agreed upon with the appropriate TFL by SECTIONALIZING mainline or OPENING tap lines prior to RESTORING customers.

   c. TFL PROVIDES operator with patrol completion status and REQUESTS approval to energize circuit segment(s) following patrols and CONFIRMS the "from and to" open points with the operator.

   d. The OEC ETOR Hawk communicates with TFLs on expected completion of restoration of circuit segment(s).

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3.8.7.d (continued)

(1) IF initial ETOR is expected to expire prior to projected restoration,

THEN TFL and OEC DETERMINE new ETOR and the OEC INPUTS new ETOR into OMT.

IF non-fire damage is FOUND during patrols on a given outage,

THEN OEC UPDATES PSPS OMT to “Repair” Code and UPDATES ETOR accordingly for given outage and CONSIDERS downstream outages that may be impacted for ETOR updates (i.e., no back ties or other options available to restore without the damage being repaired first).

e. Guidance on hazards and usage of OMT Hazards Tool for field personnel, TFLs, GCC and DCC Operators, and supervision are in Attachment 1, Hazard Response during PSPS Events.

f. IF damage, hazards, or near misses are identified during a patrol.

THEN patrol personnel must

(1) COMPLETE documentation form in the Inspect App for each damage, hazard, or near miss identified OR if Inspect App is not available, FILL OUT one PSPS Damage Documentation Form or Pronto Form for each damage, hazard, or near miss identified.

(2) CREATE a Line Corrective (LC) / Electric Corrective (EC) Notification within the Inspect App Damage Documentation form per standard processes.

(3) IF filling out paper form,

THEN TAKE a picture of the PSPS Damage Documentation Form and SEND picture and 3-5 photos to respective OEC/STOEC Documentation Unit Lead to enter into the Inspect App.

(4) SEND text or e-mail to OEC/STOEC Documentation Lead

(5) IF CREATING an LC/EC Notification due to damaged equipment (per standard processes,

THEN UPLOAD the photos to LC/EC notification.

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3.8.1.7.f (continued)

(6) OEC/STOEC Documentation Unit Leads:

ENSURE all Damage Documentation Forms have been completed by the Field and entered into the Inspect App or Pronto Form and if using paper forms that all sections are filled out completely and information from the paper form is entered into the Inspect App.

ENSURE 3-5 photos have been added to the Inspect App Damage Documentation Form.

ENSURE LC/EC notification has been created for damages per standard processes.

(7) REC Documentation Unit Leads:

REVIEW the forms for completion and follow-up with the OEC/STOEC as required.

(8) IF a fire is IDENTIFIED,

THEN first CALL emergency services (9-1-1) to notify of fire,

THEN second CALL TFL,

THEN TFL CALLS the respective DCC,

DCC NOTIFIES the HAWC.

(9) IF third party damage is IDENTIFIED,

THEN follow process to fill out TD-2014P-01-F01,Third Party Notification Form.

g. Operator PERFORMS or DIRECTS TFL to PERFORM necessary switching to ENERGIZE given circuit(s) segments.

(1) IF EXECUTED via SCADA,

THEN operator NOTIFIES TFL when energized.

h. Operator PROVIDES switching instructions to the TFL to PERFORM PSPS patrol of all radial or tap lines in their entirety as defined as being in scope for patrol with no trouble found, CLOSE devices to ENERGIZE (group operations permitted).

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3.8.1.7 (continued)

i. The TFL REPORTS to the operator the time each individual device is CLOSED, and power CHECKED ok as soon as practical.

(1) IF trouble is FOUND,

THEN the TFL NOTIFIES the control center requesting further switching instructions and REMAINS the single point of contact for repairs/clearances.

(2) For all damages FOUND, original record from de-energization must be MAINTAINED and new record CREATED for damage.

j. Delayed re-energization and resuming incomplete patrols:

(1) IF a section of line cannot be energized immediately after patrol,

THEN ENERGIZE as soon as practicable following patrol when weather conditions still support re-energization.

(2) IF line was not energized due to incomplete patrol (i.e., darkness),

THEN RESUME PATROL from where it left off-when weather conditions still support re-energization.

k. DOCUMENT switching in ILIS using the Distribution Management System (DMS) “open and create” function and associating to appropriate outage event.

l. By TFL judgement, secondary conductor may be ISOLATED to more efficiently restore customers. Secondary conductor does not include service drops.

(1) IF secondary is ISOLATED,

THEN the TFL is required to DOCUMENT and MANAGE as DMS does not include secondary conductor mapping.

m. FOLLOW normal clearance and work procedures for repairs utilizing the TFL.

(1) IF a clearance is REQUIRED and TFL is a QEW,

THEN UTILIZE the TFL as the clearance holder.

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3.8.1.7.m (continued)

(2) IF a clearance is required and the TFL is not an Electric T&D QEW,

TFL is responsible for identifying an Electric T&D QEW to PERFORM clearance holder function and notifying the DCC.

Non-TFL clearance holder will report “on” and “off” to the DCC per clearance procedures, and in addition, communicate those activities with the TFL.

Once completed with clearance activities requiring use of the non-TFL clearance holder, TFL confirms circuit status with DCC and continues with ongoing restoration activities.

IF TFL has been de-assigned and repairs are pending,

THEN FOLLOW normal clearance procedures with crew reporting “on” and off”.

8. Transmission Branch Director REPORTS transmission patrol results to the GCC Supervisor and RELEASES equipment to be placed back in service.

   a. IF warranted,

      THEN GCC CONTACTS impacted transmission customers informing them of the impending restoration.

9. IF Patrol is good,

   THEN Electric T&D QEW FOLLOWS established procedures (i.e.,TD-1400) to remove grounds and report off of equipment to GCC.

   a. GCC REPORTS line ready for previously grounded lines for PSPS.

   b. Electric T&D QEW REPORTS status of removal of ground to STOEC.

   c. STOEC REPORTS to EOC and ETEC status off of clearance line by line.

10. IF Patrol is not good,

    THEN grounds remain in place until repairs can be made.

11. GCC ENERGIZES and TESTS released equipment and ETEC REPORTS same to Transmission Branch Director.

    a. GCC ISOLATES all equipment with found trouble and reports same to ETEC. ETEC NOTIFIES Transmission Branch Director.

    b. GCC NOTIFIES DCC of line restoration and trouble location.

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12. Operator ENABLES FLISR after circuits have been energized EXCEPT for circuits that have been disabled per.

13. EOC Planning Section SUBMITS Cal OES Notification Form for PSPS Stage 5 – All PSPS Lines Re-energized.

14. EOC Planning Section/ Resource Unit De-mobilization Lead DEVELOPS demobilization plan and SUBMITS to Operations Section Chief and Planning Section Chief for approval.

15. Planning Section Chief SENDS OUT approved demobilization Plan to Operations Section Chief and RECs.

16. Notification Hawk CONTACTS BAT at conclusion of the event to have BAT deactivate notification automation.

17. BAT DEACTIVATES notification automation.

18. Notification Hawk CONTACTS BAT at conclusion of the event to deactivate PSPS cause codes in OMT.

19. BAT DEACTIVATES availability of PSPS cause codes in OMT.

20. EOC Planning Section/PSPS Portal Lead PUBLISHES PSPS Portal, CSO/Digital Strategy PUBLISHES Priority Notice PGE.com/Emergency Web (including address look-up tool).

NOTE

POWER RESTORED communications to impacted customers are generated in OMT and SENT via messaging service (for example, Message Broadcast) on a pre-determined, batched frequency. Notifications include date and time of restoration.

END of Instructions

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Public Safety Power Shutoff for Electric Transmission and Distribution

DEFINITIONS

Customer Owned Lines (COL): Distribution Customers metered at primary voltage. Customer Owned Lines are third party owned and operated power lines interconnected to PG&E's system. Customer owned facilities are third party facilities on the customer's side of the meter. Customer owner(s) are responsible for maintenance and operation of their line and equipment.

Critical Customer (see also separate definition for Public Safety Partners)

Critical Customers, as defined by PG&E, fall into three key types:

- Public Safety Impacting
- Community Impacting
- Schools

Critical Customers are designated in OIS/OMT based on their Critical Customer type designations and associated restoration priority. Below are examples of these designations for your reference and guidance. Each division is responsible for prioritizing and maintaining their overall Critical Customer lists in partnership with the Business Energy Solutions (BES) organization. PG&E also coordinates with local agencies to receive their input to confirm the identification of critical facilities within their jurisdictions.

Public Safety Impacting Customers (CC1-CC2)

Level 1 Critical Customer (CC1)–Public Safety Partners; Provides Emergency Services

- **Emergency Services***: Fire and Police Stations; 911 Dispatch Centers; Emergency
- **Operations Centers** (Federal, State, County and Tribal)
- **Government Facilities***: Government Agencies Critical to National
- **Defense/Cybersecurity**; Prisons and Jails

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Public Safety Power Shutoff for Electric Transmission and Distribution

Public Safety Impacting Customers (continued)

- **Water Agencies***: Critical Potable Water and Wastewater Treatment facilities
- **Energy Sector***: Interconnected publicly-owned utilities; electric co-ops
- **Health Services***: Emergency Hospitals and Surgical Centers

*Meets CPUC Definition of "Critical Facility"

Level 2 Critical Customer (CC2) – Critical Facility; Supports Emergency Response Needs

- **Emergency Services***: Non-Critical Fire and Police Stations; Evacuation Centers/Shelters
- **Government Facilities***: Local/State/National Government staging sites; Homeless shelters; Senior Centers; Community Centers; Independent
- **Living Centers; Voting Centers**; Vote Tabulation sites
- **Communications Services**: Radio/ TV Broadcasting Critical Facilities; Critical Data Centers
- **Health Services***: General Hospitals; Hospice Centers; Skilled Nursing Facilities; Kidney Dialysis Centers; Blood Organ Banks; Public Health
- **Departments**; Cooling (Warming) Centers; Temporary Facilities for public health emergencies
- **Chemical Sector***: Fuel Refineries; Chemical Plants; Hazardous Materials Facilities
- **Water Agencies***: Non-critical potable Water and Wastewater Treatment
- **Transportation***: Major Local and National Public Transportation Centers (e.g., BART, Ferries, Airports); Traffic Management Systems
- **Food and Agriculture Sector***: Emergency Feeding Organizations

Public Safety Impacting Telecommunication Provider Customers (TT1-TT2)

- **Level 1 Critical Telecommunication Services (TT1)** *: Critical Telecommunications Infrastructure: Wireless/Wireline/Broadband Provider Critical Facilities
- **Level 2 Critical Telecommunication Services (TT2)** *: Certain Telecom Infrastructure; Power Supplies, Amplifiers, Receivers and Repeaters

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Public Safety Power Shutoff for Electric Transmission and Distribution

Definition: Critical Customer (continued)

Community Impacting Customers (CC3)

Level 3 Critical Customer (CC3) – High Impact Customers

- **Food Sector**: Dairies/Livestock Facilities; Food Refrigeration Warehouses/Food Processing, Large/Primary Community Grocery Stores
- **Industrial Sector**: Manufacturing Facilities; Distribution Centers; 24-Hour Operations Facilities; Research Facilities; Biotech Companies
- **Community Facilities**: Major Community, Town/City Facilities; Arena/Coliseums/Stadiums; Zoos
- **Service Sector**: Major Tourist Attractions; Hospitality Facilities; Shopping Centers (Not Evacuation Centers)
- **Medical Offices**: Medical Office Buildings
- **Communications Offices**: Call Centers; Non-Critical Radio/TV Broadcasting Facilities

Schools (SC1-SC3)

- **Level 1 School Critical (SC1):** Universities/Higher Education Facilities
- **Level 2 School Critical (SC2):** K-12 Schools
- **Level 3 School Critical (SC3):** Pre-schools, daycares

*Meets CPUC Definition of “Critical Facility”

Event specific assets at risk – Overhead assets within the meteorological risk area(s) identified for possible de-energization in an PSPS event.

Fault Location Isolation and Service Restoration (FLISR): Self-healing feeder automation (FA) technology schemes designed to improve service reliability on the electric distribution system. PG&E uses software that interfaces with Supervisory Control and Data Acquisition (SCADA) devices. Automatic sectionalizing equipment detects and isolates the fault and may open and close multiple devices to energize customers within 5 minutes resulting in some customers experiencing a momentary (5 minutes or less) and some customers experiencing a sustained outage (greater than 5 minutes).

Foreign Transmission Lines (FTL)- Third party owned lines transmission lines electrically interconnected to PG&E’s system or physically collocated on transmission structures.

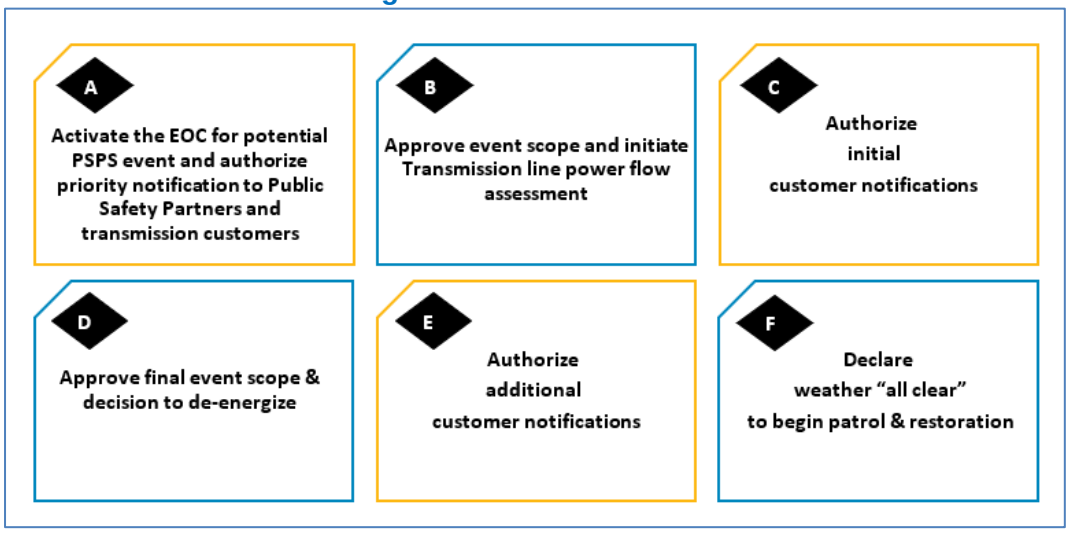
Induction Risk Lines - CFPT Induction is a subset of the lines that are in scope for CFPT Asset which also have indicators that show a higher risk for induction related ignitions even while the line or segment is deenergized. Additional mitigations are considered for these lines.

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Joint Use Privately Owned Lines: Privately Owned Lines (POLs) are third party owned and operated power lines interconnected to PG&E's system. PG&E relies on these "Joint Use" POLs to deliver electricity to PG&E's revenue meters at customer premises. PG&E meters are located at the ends of the POL where the customer premises interconnect. POL owner(s) are responsible for the maintenance and operation of the line.

Officer-in-Charge Decisions: There are six important PSPS decisions, called OIC decisions, of which the OIC is responsible for making during an event (A-F). The OIC Decisions are summarized in Figure 1.

Figure 1: OIC Decisions



Playbook

- **De-energization Playbook:** The list of transmission lines and distribution circuits planned to be de-energized as part of the PSPS event. The De-Energization Playbook has 4 main versions A, B, C, D, each playbook updates the previous. Version A includes initial distribution impacts. Version B includes distribution impacts including abnormal conditions and confirmed mitigations. Version C includes distribution abnormal and transmission direct impacts, also including downstream impacted transmission lines. Version D includes distribution abnormal and transmission direct and indirect impacts including System Protection. The letter "E" is not used for playbooks.

- **Restoration Playbook F:** The Restoration Playbook contains a list of all circuits by Division, impacted by the PSPS Event, along with the associated "All Clear Zones" for each circuit, Distribution ETORs and the segment/patrol guides. Prior to the first OIC Decision F meeting, Meteorology provides a forecast of Distribution All Clear times for each "All Clear Zone" in the Playbook, which are then input in the Playbook. At this stage, the Restoration Playbook is named "Restoration Playbook F00_Forecast".

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Public Safety Power Shutoff for Electric Transmission and Distribution

Definition: Restoration Playbook F (continued)

When the first Decision F meeting occurs, the approved All Clear times for each approved “All Clear Zone” are input in the Restoration Playbook, and the corresponding forecast times are grayed out. After the first OIC Decision F meeting, the Restoration Playbook F00_Forecast is then renamed “Restoration Playbook F01_Approved”. This playbook thus provides, for each Decision F meeting, a running tally of the “All Clear Zones” and corresponding circuits that have been approved for weather “all clears” and which areas will have to be approved in subsequent OIC Decision F meetings.

Public Safety Partners: First/emergency responders at the local, state and federal level, water, wastewater and communication service providers, affected community choice aggregators, publicly-owned utilities/electrical cooperatives, the CPUC, the California Governor’s Office of Emergency Services and the California Department of Forestry and Fire Protection.

The term “emergency response providers” includes federal, state, and local governmental and nongovernmental public safety, fire, law enforcement, emergency response, emergency medical services providers (including hospital emergency facilities), and related personnel, agencies and authorities.

PSPS Patrol: After the severe weather has passed, a PSPS patrol consists of a visual assessment of assets to identify any condition that would prevent a circuit or portion thereof from being safely energized.

Qualified Electrical Worker (QEW): A Qualified Electrical Worker is, by regulatory definition, a qualified person who has a minimum of two years of training and experience with high-voltage circuits and equipment and has demonstrated by performance, familiarity with the work to be performed and the hazards involved.

The following additional requirements only apply to Electric Transmission and Distribution employees designated as a QEW:

1) Journeymen Linemen classification or higher when working on or around energized facilities in excess of 600 volts

2) Has received training and has demonstrated the ability to competently to perform the following:

a. Distinguish exposed live parts from other parts of electric equipment

b. Determine the nominal voltage of exposed live parts

c. Know the minimum approach distances for the voltages exposed

d. Know the precautionary techniques, personal protective equipment, insulating and shielding materials, and insulated tools to be used at all times when working on or near exposed energized parts of electric equipment

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Definition: Qualified Electrical Worker (continued)

e. Understand and be able to recognize all other hazards and potential hazards of working on and around high voltage equipment in excess of 600v whether or not energized parts are exposed.

Situation Report: The Situation Report is an event-based summary displaying impacts of de-energization and forecasted weather conditions. The report includes:

- User-enabled plan selection with options to select and focus on specific time-places
- Customer counts by time-places, PG&E divisions, counties, cities, zip codes, circuits, for possible de-energization
- High level customer notification metrics for critical facility, medical baseline, life support, and general customers with optional notification drilldown information.
- Automated restoration progress view.

Task Force Lead (TFL): Task Force Leads act as the single point of contact with the designated DCC and are assigned the responsibility of executing field switching (including establishing and holding necessary clearances, which is limited to TFLs that are qualified to hold a clearance. If not qualified, other arrangements with a qualified person have to be made) as directed by DCC operator. They are also responsible for patrols being completed according to patrol requirements. TFLs direct assigned Segment Leads, and Segment Leads direct assigned patrol personnel.

Time-Place (TP): A Time-Place (TP) is a portion of the PG&E grid where the impacted electric lines and geographical locations are aligned and is forecast to experience consistent timing for potential PSPS. Time-Places are identified for each PSPS event and receive consistent treatment for notifications and de-energization. Once actual weather conditions occur, weather "all clear" and service restoration times may vary due to actual weather conditions within a TP.

Weather "all clear": Approval to start restoration on select lines. The OIC is responsible for issuing the weather "all clear" and may issue multiple weather "all clears" for separate locations in a phased approach to restore customers when conditions are safe for crews to begin patrols. . The OIC may elect to delegate the authority to issue a weather "all clear" to specified individuals for an operational period (EOC Commander(s) or Deputy OIC(s)). However, the OIC retains full accountability for the OIC decisions made under the delegation of authority.

IMPLEMENTATION RESPONSIBILITIES

The VP PSPS Operations & Execution, Director of Grid Operations, and Director of Distribution Control Center are responsible for ensuring all of their employees understand the requirements outlined in this procedure.

GOVERNING DOCUMENT

PSPS-1000S, Public Safety Power Shutoff (PSPS)

COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

Resolution ESRB-8

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Public Safety Power Shutoff for Electric Transmission and Distribution

Records and Information Management:

Information or records generated by this procedure must be managed in accordance with the Enterprise Records and Information (ERIM) program Policy, Standards and Enterprise Records Retention Schedule (ERRS). Refer to GOV-7101S, "Enterprise Records and Information Management Standard" and related standards. Management of records includes, but is not limited to:

- Integrity
- Storage
- Retention and Disposition
- Classification and Protection

REFERENCE DOCUMENTS

Developmental References:

ETEC Handbook

TD-2015S, Notification to Third-Party Non-Utility of Nonconformance

Supplemental References:

Code of Safe Practices

Utility Standard TD-1464S, Preventing and Mitigating Fires While Performing PG&E Work

Utility Procedure TD-1400P-07, System Emergencies and Responding to Alarms

Utility Procedure TD-2700P-04, Processing Applications for Work and Switching Logs

Utility Procedure TD-2700P-05, Operating Procedures for Fault Location Isolation & Service Restoration (FLISR)

Utility Procedure TD-2700P-11, Testing and Sectionalizing Distribution Equipment

APPENDICES

NA

ATTACHMENTS

Attachment 1, Hazard Response and Resolution for PSPS Events

DOCUMENT RECISION

NA

DOCUMENT APPROVER

Mark Quinlan, Vice President, Electric System Operations

[redacted], Senior Director, Transmission System Operations

[redacted], Director, Distribution Control Center

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Public Safety Power Shutoff for Electric Transmission and Distribution

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Revision Notes

Where?	What Changed?
Throughout Document	Updating of role titles to match listing in current EOC on-call roster
Target Audience	Spelling out Transmission Operations Engineering to include Remedial Action Scheme (RAS)
Before You Start	Removal: “during California Fire Season”
Section 1: Scoping and Event Planning	
Step 1.4 - NOTE	Speaking Playbook phonetic pronunciation of letter.
Step 1.4.2	Addition: Steps related to DAHS communicating list of tags
Step 1.4.3 and NOTE	Addition: Sub-steps on Customer Owned Lines (COL)
Step 1.5	Revision: VP of EP&R facilitates meeting to activate EOC Addition: Planning Section Chief
Step 1.7 – 1.10	Re-location of Resource Management steps after EOC activation
Step 1.11	Revision to text on Qualified Electrical Worker
Step 1.17.2	“Liaison Coordinator” replaces “Liaison Notification Manager” “Notification Hawk” replaces “Customer Strategy Officer” here and other places where Notifications Hawk is direct agent.
Step 1.17.8.c	Addition: California Office of Energy Infrastructure Safety (OEIS)
Step 1.19.3.c.(2)	Revision: Reviews Playbook for load transfer opportunities outside of identified event specific areas at risk that can be transferred.
Step 1.22 and NOTE	Addition of verbiage “… and categorize a subset of line identified for induction and FTLs.”

Revision Notes(continued)

Where?	What Changed?
Section 1 (continued)	
Step 1.23	Addition: “…and categorize a subset of lines identified for induction, FTLs…”
Step 1.26	Addition: “All versions of Playbook C include applicable updates to

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	affected COL, FTL, and related incremental Electric Compliance (EC) and Vegetation Management (VM) tags."
Step 1.36	Removal of GCC TOE Director as not using position outside of EOC.
Step 1.38	Addition: Prior to OIC decisions B/C alignment on ETORS.
Step 1.48	Change from listing CSO to Notification Hawk and in all later repeating steps
Step 1.48.2.4	Addition: New step CIL PREPARES the notification file and SENDS to Notification Hawk and in later repeating steps.
Step 1.48.2.5	Removal: CIL, now in step prior.
Step 1.48 NOTE	Relocation: updated text.
Step 1.58	Addition: "All versions of Playbook D include applicable updates to affected COL, FTL, and related incremental EC and VM tags."
Step 1.71	Addition: Steps related to Confirm/Cancel/Delay Meeting
Step 1.72	Addition: After switch logs added "(if necessary)"
Step 1.79.6	Addition: Call-out of FTL and COL
Step 1.79.6.(1)	Listing of Premise address replaces Substation Name and transmission line name.
Section 2: De-energization	
Step 2.4.2.a	Addition: If no switch log, then document in ILIS.
Step 2.4.3.a	Removal of "DCC operator may PROVIDE approval for upon arrival switching for on de-energizing operations to the TFL."
Step 2.10	Removal of former Note: "Automation of De-energization Notification out of OMT planned for October 1, 2021."
Step 2.18 – 2.22	Addition: Steps outlining "Exception Process" when forecasted weather "all clear" times are shifted to the next day.
Section 3: Restoration	
3.3.3	Change: labeling of Restoration Playbook "Forecast" with "00" replacing "01" to better distinguish from Playbook "Approved" numbering.
3.3.6	Addition: PSPS Process Lead

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Public Safety Power Shutoff for Electric Transmission and Distribution

Revision Notes (continued)

Where?	What Changed?
Section 3 (continued)	
3.3.8 NOTE	Addition: General Information about OIC Decision F meeting
3.3.8	Revision in place of “all clears” – “All Clear Zones” and corresponding time stamps” into Restoration Playbook.
3.3.9	Addition: The Recorder also sends a message to the PSPS Technical Unit Leader that this action is completed.
3.3.10	Revision: in place of “all clears” – “All Clear Zones” and corresponding time stamps” into Restoration Playbook.
3.5.2 – 3.5.4	Revision: Notification Hawk replaces CSO.
3.5.7 – 3.5.8	Addition: “As-is” COL communications process steps and steps starting 08/01/2022 COL customers to respond via Chat Bot.
3.6	Revision: revised ETOR update process mentioning providing accurate ETOR
3.6.7 NOTE	Revision: revised text on Notification Hawk and OMT auto notification
3.8.1.b.(3)	“As-is” COL comms process steps after weather “all clear” and steps starting 08/01/2022 COL customers to respond via Chat Bot.
3.8.12	Removal: Reference to TD-1464P-01 as Procedure being completely re-defined and will no longer apply.
Definitions	Revision: Event specific assets at risk defined as pertaining to “overhead” assets. Revision: COL only Distribution Addition: Foreign Transmission Lines (FTL) Addition: Induction Risk Lines Revision: verbiage change to “Distribution ETORs” and additional clarification on what Restoration Playbook provides. Revision: expanded definition for “Qualified Electrical Worker” per Code of Safe Practices (CSP). Revision: Time Places verbiage clarification. Addition: Weather “all clear” – OIC may elect delegate for an operational period.
Document Approvers	Replaced former Approver [redacted] with [redacted] and updated role titles.

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Distribution Routine Patrol Procedure (DRPP)

SUMMARY

The purpose of the Distribution Routine Patrol Procedure (DRPP) is to:

- Detail the steps and requirements for routine inspection of vegetation around PG&E electric distribution lines, including distribution underbuild lines.
- Maintain the safe and reliable operation of distribution and underbuild facilities.

Level of Use: Informational Use

TARGET AUDIENCE

- Vegetation Management Governance and Support
- Vegetation Management Operations
- VM Contractors: Pre-Inspector (PI), Tree Contractor (TC), Quality Control (QC), Quality Assurance (QA), Vegetation Control (VC)

SAFETY

PG&E or contract worker must review and follow all applicable safety standards and procedures before performing work, which includes review of tailboards and wearing appropriate Personal Protective Equipment for the job.

BEFORE YOU START

1. Ensure familiarization with entire procedure including the Definitions Section of this document
2. Read Distribution Vegetation Management Standard (DVMS)
3. Read Transmission Vegetation Management Standard (TVMS)
4. Read Transmission Routine (Non-Orchard) Patrol Procedure (TRPP)
5. Read Transmission and Distribution Vegetation Hazard Notification Procedure

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Distribution Routine Patrol Procedure (DRPP)

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PROCEDURE STEPS

1 Distribution Patrol Practices

1.1 Pre-Inspection and tree work is performed in accordance with PI and TC Contract Specifications, Distribution Vegetation Management Standard (DVMS), practices described in this document, and other applicable standards and procedures.

1.2 PI INSPECTS lines once per cycle, generally November 15th of the current year – November 14th of the following year.

1. IF VM employee or contractor identifies any of the following conditions:

   - Poses a hazard to the public or utility worker
   - Negatively impacts service reliability or asset life of PG&E facilities
   - Adversely impacts the ability to safely operate or inspect PG&E's facilities
   - Creates a condition that causes PG&E's facilities to be out of compliance with California Public Utilities Commission (CPUC) General Order (G.O.) 95 or 128

   THEN NOTIFY the area Vegetation Program Manager (VPM) and Senior Consulting Utility Forester (SCUF).

2. IF the condition only involves PG&E facilities or poses an immediate risk,

   THEN FOLLOW the Reporting Abnormal Field Conditions Procedure.

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3. IF the condition is created by a 3rd party Utility (electric, communication, etc.),

   THEN FOLLOW the Notification of Conditions to Third-Party Utility Procedure, TD 2014P-01.

4. IF the 3rd party is a non-utility,

   THEN FOLLOW the Notification of Conditions to Non-Utility Third-Party Procedure, TD 2015P-01.

5. Primary Lines:

   a. IF a tree is evaluated as having potential to encroach within minimum distances required to maintain compliance with G.O. 95, Rule 35, or PRC 4293 (see Appendix A, Minimum Distance Requirements (MDRs),

      OR may fall into or impact primary conductors before next scheduled prune,

      THEN LIST tree in the handheld device for one of the following:

      - Prune
      - Remove
      - Facility Protect (FP)

6. Secondary Lines:

   a. IF a tree shows evidence of strain or abrasion on secondary lines,

      OR may fall into or otherwise impact secondary conductors,

      THEN RECOMMEND one of the following:

      - Prune
      - Remove
      - Facility Protect (FP)
      - Reconstruction, as advised by Maintenance and Construction (M&C)

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NOTE

Strain or abrasion on a conductor is present when contact with vegetation significantly compromises the structural integrity of distribution supply facilities. Contact between vegetation and conductors in and of itself does not constitute non-conformance with the rule.

7. Distribution Underbuild:

   a. Distribution PI INSPECTS distribution underbuild spans per requirements for transmission, primary and secondary, as described in this document and the Transmission Routine (Non-Orchard) Patrol Procedure (TRPP).

NOTE

Transmission PI is responsible for listing tree work on transmission spans that begin with underbuild and then diverge.

1.3 Inspection Area

1. Distribution PI INSPECTS:

   a. All vegetation with potential to grow, sway, or fall into PG&E's electric distribution and distribution underbuild conductors.

   b. Distribution underbuild for vegetation that could fall into transmission structures, guys, or poles, regardless of Right-of-Way (ROW) or easement width.

   c. Areas outside fenced areas, including portions of distribution line span crossing substation fence at substations, generation stations, or switchyards in inspection area.

      - IF distribution PI identifies vegetation inside substation, generation substation, or switchyard that requires tree work,

        THEN NOTIFY VPM.

1.4 Idle Lines

1. IF idle or de-energized conductor is main line,

   THEN distribution PI will treat de-energized conductor as if energized,

   AND PATROL and PRUNE to maintain compliance.

2. IF circuit map identifies tap line as idle,

   THEN line is NOT patrolled or pruned.

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3. IF tap line is not identified as idle on circuit map,

   AND is de-energized by discontinuation of conductor (jumpers either removed, disconnected, or entire span is removed),

   THEN line is NOT patrolled or pruned,

   AND PI will COMPLETE Idle Facilities Investigation Work form (Idle Facilities Tag),

   AND FORWARD Idle Facilities Tag to VPM.

4. IF an Idle Facility Tag does not already exist,

   THEN VPM will EMAIL Idle Facilities Tag to Public Safety & Regulatory (PS&R) for input to SAP,

   AND PS&R will NOTIFY VM if line is only seasonally or temporarily idle.

5. IF an Idle Facilities Tag already exists for removal of idle facility,

   THEN line will NOT be patrolled or pruned,

   AND PI will FILE copy of Idle Facilities Tag in the active circuit folder for reference during next patrol.

6. IF no Idle Facilities Tag exists for removing an idle facility,

   THEN VPM will FORWARD the completed Idle Facilities Tag to M&C Compliance Supervisor,

   AND line is NOT patrolled or pruned,

   AND PI will FILE copy of submitted Idle Facilities Tag in the active circuit folder.

1.5 Non-PG&E Owned Distribution Lines

1. IF during patrol, PI identifies Private Facilities (PF),

   THEN NOTIFY VPM,

   AND FOLLOW the requirements of the Private Facilities Procedure (Dec. 2015).

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2 Distribution Patrol Prescriptions

2.1 Hazard Notification (HN)

NOTE
A Hazard Notification occurs when a vegetation condition affecting distribution or transmission lines has the potential to become an imminent threat. This condition could be the result of vegetation encroaching on the MDR or may arise from outside the ROW due to potential tree or limb failure.

1. IF PI identifies a HN tree,

   THEN FOLLOW the requirements of the Transmission and Distribution Vegetation Hazard Notification Procedure.

2.2 General Practice – All Primary, Secondary, and Distribution Underbuild Lines

1. PI will:

   a. PRESCRIBE pruning In accordance with the most current ISA, Best Management Practices – Utility Pruning of Trees – Special Companion Publication to the ANSI 300 Part 1 and Part 7 (IVM).

   b. CONSIDER minimum clearances per MDR (Appendix A) sufficient to maintain mandated clearances under all foreseeable conditions of:

      - Tree Growth
      - Wind
      - Weather
      - Line loading
      - Line sag
      - Line blow-out
      - Tree sway
      - Snow Loading

   c. LIST hazard trees for removal or facility protect.

   d. PRESCRIBE stump treatment when removing re-sprouting species, unless specifically denied by the property owner, land manager, or regulations.

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2.3 Priority Work Codes

1. IF PI identifies a tree for routine pruning or removal work that may not maintain compliance with MDR (Section 2.3.4),

   OR may be in contact with Tree Wire before TC would normally complete work,

   THEN ASSIGN priority code “Accelerate”,

   AND in consultation with VPM, CREATE Tag for issue early to TC.

NOTE

Additional management and follow through to completion on accelerate trees may be necessary to mitigate risk and ensure timely completion. PI should be aware of TC schedule and know approximately how many weeks until the work will be completed.

2. IF PI identifies tree for routine pruning or removal work that is currently in compliance with the MDR,

   AND tree will maintain compliance until TC is scheduled to complete work,

   THEN ASSIGN priority code “Routine”.

NOTE

For priority code determination, trees at locations with Tree Wire that are not in contact with tree wire can be considered in compliance with MDR. See Major Woody Stem Exemption Procedure to identify tree wire.

3. IF PI identifies tree for routine pruning or removal on secondary conductors,

   THEN ASSIGN priority code “Routine”.

4. Facility Protect (FP)

   a. IF PI identifies FP tree that has potential to fail before TC is scheduled to complete work,

      THEN FOLLOW requirements per Transmission & Distribution Vegetation Hazard Notification Procedure.

   b. IF PI identifies FP tree that is <u>not</u> likely fail before TC can complete work,

      THEN ASSIGN priority code “Routine”.

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2.4 Pruning

1. PI PRESCRIBES clearance, sufficient to obtain 2 - 3 years clearance and no less than one year before next prune.

   a. IF clearance to maintain one year compliance is not attainable based on field conditions and not property owner refusal,

      THEN FOLLOW the instructions in Section 2.8 of this document, Bi-Annuals.

   b. IF tree is being worked for current year compliance,

      THEN CLEAR all overhanging branches to minimum of 15 feet, unless branches qualify for Major Woody Stem exemption.

2.5 Removal

1. IF PI identifies tree that will not hold compliance by pruning for one year minimum,

   OR required clearance would leave the tree less than 4.5 feet tall,

   THEN PI should PRESCRIBE removal, regardless of Diameter at Breast Height (DBH).

2. IF tree DBH is less than 12 inches,

   THEN PI should PRESCRIBE removal rather than prune.

3. IF tree DBH is equal to or greater than 12 inches and less than 24 inches,

   AND it is not possible to obtain 2-year clearance through pruning,

   THEN PI should PRESCRIBE removal rather than prune.

4. IF the DBH is equal to or greater than 24 inches,

   AND tree is unlikely to encroach for period greater than one year,

   THEN PRUNE tree rather than remove.

2.6 Hazard Trees / Facility Protection Trees

1. IF PI identifies trees or portions of trees that are dead, shows signs of disease, decay or ground or root disturbance,

   AND may fall into or otherwise impact primary or secondary conductors,

   THEN PRESCRIBE work to make tree Facility Safe per Facility Protect and Work Difficulty Classification Procedure.

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NOTE

This requirement does not apply to Rule 16 secondary line serving a single customer, typically a service drop.

2.7 Refusal

1. IF property owners, land managers, Federal, State or local agency policies or site conditions restrict, constrain, or otherwise interfere with the ability to meet the requirements of this DRPP,

   THEN PI will FOLLOW the requirements of the Distribution Vegetation Refusal Procedure.

2.8 Bi-annuals

NOTE

The purpose of the bi-annual cycle code is to effectively address fast growing trees that may not hold compliance for a full cycle. The intent is not simply to identify and perform bi-annual work, but to find the best way to manage these trees.

1. IF PI identifies a potential bi-annual tree on a routine OR bi-annual patrol,

   THEN CONSULT with the PI Supervisor to consider options described in Alternatives to Manage and Reduce Bi-Annuals document (Appendix B).

2. IF clearance to maintain one-year compliance is not attainable,

   AND no other alternatives are available,

   THEN ASSIGN bi-annual cycle code.

3. IF tree cannot be kept compliant even with bi-annual work,

   THEN NOTIFY VPM.

4. Following completion of circuit, the Database Manager will:

   a. PRINT list of all Bi-annuals listed for PI Supervisor to evaluate and enter written comments.

   b. FORWARD list to VPM per VM Database Monitoring Procedure.

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5. Bi-Annual Patrol

NOTE

The goal of a bi-annual patrol is to quickly evaluate trees which may become compliance issues before next routine cycle and prescribe additional work if needed.

a. PI REVIEWS Alternatives to Manage and Reduce Bi-Annuals before prescribing work (Appendix B).

b. Supervisor and PI MEET to set goals for unit reduction prior to start of a bi-annual patrol.

6. Planning in Project Management Database (PMD)

a. Depending on the number of bi-annuals in a division, VPM CREATES additional projects to account for all bi-annual trees.

b. VPM will:

(1) ADD projects to PMD to track bi-annual trees.

(2) CREATE multiple bi-annual projects depending on local designations, including district and contractor.

7. Pre-Loaded Data

NOTE

A bi-annual preload file contains only addresses that have at least one tree set to “bi-annual” as the cycle.

a. PI will:

(1) CONDUCT bi-annual patrols using PMD pre-loaded data.

(2) CREATE list of all circuits in quarter in which the patrol is performed.

(3) MOVE data that is not part of the pre-load to history.

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CAUTION

DO NOT change the routing of the locations during bi-annual patrol as they do not have all the data for that source side, or source side routing number.

DO NOT "add" locations that are not in pre-load as this can cause duplicate locations in inventory.

CHANGE information only when appropriate as same data is part of normal routine preload, including changing a tree from bi-annual back to routine cycle if tree has maintained compliance and will continue to hold until next routine cycle.

b. PI will make every effort to notify each customer personally to discuss removals.

c. IF during bi-annual patrol PI identifies additional trees which will not hold compliance until the next routine cycle,

THEN ENTER tree as "Tag", with appropriate handheld code.

NOTE

Because of their unpredictable growth and proximity to the lines, Major Woody Stems with epicormic sprouting should not be managed as bi-annuals.

d. Upon work generation, Database Manager ASSIGNS PMD project number to each TC Work Request associated with that bi-annual patrol.

e. TC COMPLETES tree work within 30-day maintenance window.

CAUTION

DO NOT ADD trees on a bi-annual cycle unless approved by SCUF or VPM.

2.9 Stump Re-Sprouts

1. PI will:

a. VERIFY stump death of past removals from previous patrols for all re-sprouting species during current routine patrol.

b. LIST all re-sprouting stumps for tree re-work in VMD using trim code "TRT" when following conditions are met:

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- Stump is or will become a compliance issue in future, regardless of time frame.
- Herbicide treatment was prescribed and customer, agency, or local ordinances approve the herbicide application.
- Herbicide will not translocate to other living vegetation.
- Re-sprouts are not root sprouts.

c. DELETE tree record from handheld when stump is verified as dead.

d. NOTIFY customer of re-treat in person or with door card.

e. UPDATE VMD records and add comments when TC notifies PI of locations where herbicide treatments cannot be applied.

2. TC will:

a. RE-TREAT and kill any re-sprouts that have been prescribed trim code “TRT” during routine activities.

b. VERIFY herbicide treatments result in the death of stump.

c. NOTIFY PI on same working day when re-sprouts have been prescribed for re-treat work and the stump cannot be treated.

(1) Enter NO WORK on the Work Request.

d. PRUNE stump re-sprout unit when unit cannot be re-treated and will be non-compliant before next annual cycle, and documents and invoices the unit as an “add”.

2.10 Palms

1. PI will:

a. REVIEW VMD pre-patrol report prior to patrolling circuits to identify potential palm tree problems on circuit.

- IF PI identifies a palm in the field that routine pruning will not maintain compliance for at least one cycle,

  THEN PRESCRIBE tree removal, or removal of “heart” of palm.

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- IF palm is in contact with line(s),

  THEN FOLLOW Transmission & Distribution Hazard Notification Procedure,

  AND CONTACT property owner to discuss removing palm.

- IF customer is not present at time of visit,

  THEN LEAVE the Palm Tree Alert door card with name and contact number,

  AND contact PG&E clerk to obtain customer's phone number to discuss palm removal,

  AND PI NOTIFIES VPM of each Palm identified in the field that may require the Palm Letter.

NOTE

Palm Letters are only used when removal of tree or “heart” of the palm is required to maintain compliance.

2. VPM will:

   a. CONDUCT site visit, when appropriate, to verify condition of palm(s) after receiving information from PI.

      - IF VPM or PI is unable to contact property owner,

        THEN VPM will make an additional attempt to NOTIFY customer that their palm needs removal.

      - IF customer responds and refuses to remove the palm,

        THEN VPM will FOLLOW steps described in the Distribution Vegetation Refusal Procedure.

3. PI will:

   a. IDENTIFIY palm species code (Queen, Fan, or Date).

   b. REFER to Strategies to Manage and Reduce Palms (Appendix C) if tree removal is not feasible.

   c. RECOMMEND remediation based on tree and site conditions.

   d. REVIEW VMD palm work history.

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e. FORWARD information on new palm plantings under PG&E facilities to VPM.

- IF there is no response after repeated attempts to contact property owner,

  THEN VM Palm Letter is SIGNED by VPM and SENT to property owner.

f. The Palm Letter:

  (1) LISTS all Palm Letters sent to property owners in the Issue Tracking System (ITS) with record Type = Non Refusal, Subtype: = Palm Letter.

  (2) INDICATES palm species in Comment section.

  (3) DESCRIBES conditions and any communications with property owner in the ITS Comments section.

  (4) RECORDS the date pruning is scheduled to occur in the ITS Follow-up Section.

- IF the property owner responds and refuses to remove the palm,

  THEN as appropriate, FOLLOW steps outlined in the Distribution Vegetation Refusal Procedure.

g. PROVIDE photo documentation of palm condition, if necessary.

4. VPM will:

a. DECIDE whether any outside agencies need be notified.

- IF palm is on a section of line which appears to be Rule 16,

  THEN land rights must be requested before Palm Letter is sent.

- IF Palm Letter is sent and customer does not respond within 10 calendar days,

  THEN TC will PROCEED with the tree work.

5. Database Manager will:

a. CHANGE the trim type to Top in VMD.

b. ADD prescribed clearance in the Comment section, regardless of where the heart of the palm is located.

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c. PROVIDE TC with copies of the Work Request and the following:

- Removal Form, with detailed tree work and debris removal prescriptions, signed by VPM
- Palm Letter
- Land Rights Letter, if land rights were requested

2.11 Orchards

1. Orchard PI will:

a. INSPECT all orchards per requirements for transmission, primary and secondary, as described in this document and Transmission Routine (Non-Orchard) Patrol Procedure (TRPP).

b. FOLLOW Orchard Best Management Practices (Appendix D).

END of Instructions

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Distribution Routine Patrol Procedure (DRPP)

DEFINITIONS

Distribution Underbuild – The presence of electric distribution lines located directly under and parallel with the transmission lines, and attached to the same pole or structure.

Easement (or Right of Way) – For the purposes of this Standard, the as-built condition of a geographically described strip of land upon which PG&E's electric facilities are constructed, operated and maintained. "Easement" refers to the legal description of that corridor.

Hazard Condition – A vegetation condition affecting transmission or distribution lines which does not pose an imminent threat, but where the condition has the potential to become an imminent threat and is at or encroaching the PG&E clearance distance.

Hazard Trees - Any tree whose height is at or approaching the PG&E Minimum Clearance Requirements (Appendix A).

- **All lines**: Trees that are dead, show signs of disease, decay or ground or root disturbance, which may fall into or otherwise impact the conductors, towers or guy wires before the next inspection cycle.

Minimum Clearance Requirement – PG&E defined minimum clearance designed to meet or exceed all applicable regulatory requirements at all times.

Orchard – Any commercial-producing orchard. Only includes trees that are part of the production crop.

Orchard Tree – Any commercial-producing fruit or nut tree that is part of a production crop.

Private Facilities (PF): Includes all Private Owned Lines (POL), Primary Metered / Primary Service (PM / PS), Private Owned Transmission Lines (POTL).

- **Private Owned Line (POL)**: Private lines are defined as distribution main or line extension facilities, or service facilities that are not owned, operated and maintained by PG&E.

- **Primary Metered / Primary Service (PM / PS)**: All pole-top primary metering installations with Primary Service are considered Primary Metered. Facilities beyond the interconnection point should be considered customer owned.

- **Private Owned Transmission Lines (POTL)**: All privately owned line connected to PG&E facilities designated on GIS / ETGIS or other application as Non-PG&E Owned energized at 60KV or greater connected to PG&E facilities

Right-of-Way – See Easement.

Refusal – A situation that occurs when a customer / property owner refuses to allow PG&E to perform pre-inspection work or complete 100% of the work prescribed.

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Tap Line – Section of overhead primary line that deviates off of the mainline of a distribution circuit. Tap Line may be a hard tap (non-fused) or a fused tap.

IMPLEMENTATION RESPONSIBILITIES

The Vegetation Management Document Owner is responsible for the rollout and communication of this Standard as well as the periodic review of this document. Vegetation Management Operations is responsible for the distribution of this Standard by providing training and conducting regular reviews.

GOVERNING DOCUMENT

Distribution Vegetation Management Standard

Transmission Vegetation Management Standard

COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

General Order 95, Rule 35

General Order 95, Rule 18, Section B

Public Resource Code (PRC) 4292

Public Resource Code (PRC) 4293

ANSI/ISO/ASQC Q10011 Guidelines for Auditing Quality Systems

REFERENCE DOCUMENTS

Database Monitoring Procedure

Distribution Refusal Procedure

Mapping Procedure

Private Facilities Procedure (Dec. 2015)

Project Management Database (PMD) Standardization Guidelines (Dec. 2015)

Transmission & Distribution Vegetation Hazard Notification Procedure

Transmission Routine (Non-Orchard) Patrol Procedure (TRPP)

Notification of Conditions to Third-Party Utility Procedure, TD-2014P-01

Notification of Conditions to Non-Utility Third-Party Procedure, TD- 2015P-01

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Distribution Routine Patrol Procedure (DRPP)

APPENDICES

Appendix A: Minimum Distance Requirements

Appendix B: Alternatives to Manage and Reduce Bi-Annuals

Appendix C: Strategies to Manage and Reduce Palms

Appendix D: Orchard Best Management Practices

ATTACHMENTS

NA

DOCUMENT RECISION

NA

DOCUMENT APPROVER

[redacted] Vegetation Management Operations Manager - North

[redacted], Vegetation Management Operations Manager - South

DOCUMENT OWNER

[redacted], Vegetation Program Manager

DOCUMENT CONTACT

[redacted], Vegetation Program Manager

REVISION NOTES

Where?	What Changed?
Entire document	This is a new procedure, formatted to meet GDM requirements.
Entire document	Renumbered per the GDM Numbering Procedure in preparation for Documentum migration.

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Distribution Routine Patrol Procedure (DRPP)

Appendix A: Minimum Distance Requirements

MINIMUM DISTANCE REQUIREMENTS

CPUC Rule 35 Applicable at all times (1) (feet)	**Santa Barbara County CPUC Rule 35, Table 1, Case 14 (hhh)** Applicable in extreme and very high fire threat zones in Southern California at all times (1) (feet)	**PRC 4293** Applicable in SRA during fire season (1) (feet)	**Potential Line Sag** (2) (feet)
1.5'	4'	4'	1 - 4'

1) Vegetation shall not encroach within the minimum distance at any time between inspection and one year or next scheduled tree work cycle.

2) Depending on span length, facility construction and conductor material, potential sag and sway can range from 1’ at quarter-span to 4’ at mid-span.

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Appendix B: Alternatives to Manage and Reduce Bi-Annuals

ALTERNATIVES TO MANAGE & REDUCE BI-ANNUALS

PURPOSE: The purpose of the Bi-annual Cycle code is to effectively address fast growing trees that may not hold compliance for a full trim cycle. The intent is not simply to identify and perform bi-annual trims, but to find the best way to manage such trees using all the available tools listed below. These alternatives include increasing line clearance, changing the trim type, pursuing removal, applying tree growth regulators, or seeking engineering solutions. If it is found that a tree cannot be kept in compliance even with bi-annual pruning, as with palms, the VPM shall be notified.

DEFINITION: A bi-annual is a tree that should be inspected between routine inspections so as to ensure compliance with applicable laws and regulations. However, the following management alternatives must be considered before listing a tree as a bi-annual:

ALTERNATIVE	CONSIDERATIONS
Refusal	• IF property owners, land managers, Federal, State or local agency policies or site conditions restrict, constrain, or otherwise interfere with the ability to meet the requirements of this DRPP, then follow the Distribution Vegetation Refusal Procedure.
Increase Line Clearance Prescriptions	• Additional notification is necessary if larger wood needs to be taken from the tree to maintain compliance and meet ANSI A300 standards. Set realistic expectations with the customer but do not negotiate clearance distances. • Determine whether previous clearance distance maintained compliance for at least one (1) trim cycle. May need to check last trim date in VMD. • Increase clearance to match site conditions and species' specific growth rates.
Change Trim Type	• Determine whether the previous trim type contributed to the tree not maintaining compliance for at least one (1) trim cycle. • Prescribe directional pruning versus topping (if possible).
Seek Removal	• Is this an appropriate removal? Consider the following: o Cost-effectiveness o Tree species, DBH, and height o Reliability and facility protection o Is the trunk positioned below or within close proximity to the conductors? • Will replacement tree(s) facilitate successful removal negotiations with the customer? • Use herbicides on removals for control of re-sprouting species unless directed otherwise by the customer. • Do the land rights give PG&E the authority to remove the tree in question?
Apply Tree Growth Regulators	• TGRs can help PG&E more cost-effectively manage fast growing species, manage more trees annually, extend trim cycles, increase reliability, and reduce biomass as it relates to trimming and cleanup time. • Do not discuss TGRs with the customer. TGR notification requires specialized training. Consult your SCUF or VPM to find out more about your area-specific TGR management plan.

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Distribution Routine Patrol Procedure (DRPP)

Seek Engineering & Line Construction Solutions	• Do not discuss engineering alternatives with the customer (VPM/SCUF only).
	• The best time to address the adverse effects of trees on distribution lines is at the time of initial design.
	• Notify the SCUF of potential infrastructure alterations including new line construction, upgrades to the electrical system, and road widening or relocation projects.
	• Consider overhead construction alternatives including:
	  o Alley or wing arm construction
	  o Compact construction
	  o Covered overhead primary (i.e. “Ray Chem”)
	  o Squirrel guard on tree (use “side wrap” code in hand held)
	  o Spacer (“Hendrix”) system (combination of covered wire and compact construction)
	  o Aerial cable
	• Only in exceptional cases can the cost of converting an existing system to an alternative construction type be justified on the basis of reliability, avoided cost of future tree maintenance, or infrastructure repair.

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Appendix C: Strategies to Manage and Reduce Palms

STRATEGIES TO MANAGE AND REDUCE PALMS

PURPOSE: The purpose of this document is to provide additional strategies for managing palms, including removal, strategic pruning, bi-annual patrols, transplantation, and engineering solutions.

- Note: any additional costs associated with transplantation, re-engineering, and/or line re-construction will be at the property owner's expense.

ALTERNATIVE	CONSIDERATIONS

Removal	• Is this an appropriate removal? Consider the following:
	  o Is palm positioned below the conductors?
	  o Will the tree be in violation before the next cycle?
	  o DBH and height
	  o Reliability & facility protection
	  o Is the tree protected under any municipal regulations? Is it a City tree?
	• Will replacement tree(s) facilitate successful removal negotiations with the customer? Vouchers may be provided at VPM discretion.
	• VPM may consider additional T&M for wood removal, in order to secure removal permission from reluctant customers. Use of 3rd party contractor list can be considered for wood removal if approved by VPM. Customer can provide dumpster for wood.
	• Do the land rights give PG&E the authority to remove the tree in question?

Prune	• To be used only for palms to the side that will grow past the lines. • Do not negotiate pruning prescriptions with the customer. • Determine whether previous clearance distance maintained compliance for at least one (1) trim cycle. • Increasing the radial clearance may not be the best way to maximize the time the tree will stay in compliance. Palms grow quickly in response to trimming. • Prescribe a side trim or slope cut, and make notes to cut upper fronds that will droop down into violation in the future. • For feather palms, consider removing partial fronds when side pruning to slow the downward movement of upper fronds. Palms maintain a certain number of fronds at any one time. As you remove living fronds, new frond growth is encouraged. Not removing the whole frond may actually provide a longer cycle before next trim is required. • Inspection during subsequent cycles, including bi-annual patrols, can help determine whether trimming strategies are maintaining compliance. If not, consider alternatives such as removal.
Work Tracking	• Utilize the Future Palm letter for customers with palms that will require removal in the future. • Palm letters by themselves do not ensure that one full year of clearance will be obtained. Individual palms or locations may fall through the cracks. For palms that will not hold clearance for a full year with normal pruning, the refusal process should be used. • The refusal process is used to track unmanageable palms when the customer refuses removal. Although PG&E may or may not have the right to remove or kill the palm, PG&E does have the right and responsibility to obtain one-year' worth of clearance even if that clearance removes the heart of the palm and kills it.

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Distribution Routine Patrol Procedure (DRPP)

Transplanting & Palm Brokers	• Palms may be valuable enough to justify transplantation by the customer. • Customer should contact palm broker and coordinate work. • This alternative should be initiated at least 2-3 years before the tree enters within 10' of the high voltage lines. Palm brokers may not be interested in trees that have been pruned due to concerns about disease or appearance. • Line-kills may be appropriate, at property owner expense, during transplantation to ensure safety. • Always prescribe necessary pruning to maintain compliance until the next cycle, even if the customer says they will move the palm.
Engineering & Line Construction Solutions April 2007	• Do not discuss engineering alternatives with the customer (VPM/Forester only). • The best opportunity to address the adverse effects of trees on distribution lines is at the time of initial design. Notify VPM/Forester of potential infrastructure alterations including new line construction, upgrades to the electrical system, and road widening or relocation projects. • At the customer's request and expense, the electric construction department may consider overhead construction alternatives including: o Alley or wing arm construction o Compact construction and/or changing pin spacing o Aerial cable o Raychem wire covering • Always prescribe necessary trimming to maintain compliance until the next cycle, even if the customer says they will pursue a construction change.

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Appendix D: Orchard Best Management Practices

ORCHARD BEST MANAGEMENT PRACTICES

PIs and TCs are expected to follow Vegetation Management Best Management Practices, as follows:

GENERAL SAFETY

BMP 1: VM contractors will follow all Vegetation Management BMPs for environmental laws and procedures.

S:\Orchard - Distribution Project\VM BMPs

BMP 2: VM contractors will review and comply with all pesticide safety rules and regulations.

Do not enter an orchard if chemicals are suspected as a result of pesticide treatment; required spray re-entry signage may not be posted. When in doubt, verify with grower / orchard manager that orchard is safe to access.

S:\Orchard - Distribution Project\Safety

BMP 3: VM contractors must access orchards by using pavement or designated roads, and comply with seasonal entry restrictions. If vehicle access between rows is required, permission from orchard manager must be obtained. Vehicle speed limit (generally 10 mph) must be followed.

BMP 4: VM contractors will not enter during restricted entry intervals such as harvest, flooding or application of pesticides. For emergency tree work, immediately contact local PI supervisor (SCUF), VPM and notify orchard owner.

SCHEDULE

BMP 5: VM contractors will prescribe tree work according to the Distribution Patrol Standard (DPS) to ensure regulatory compliance. Any trees that require increased clearance, or removal, since they can't be managed on a one year cycle, must be discussed with the orchard owner and recorded in vegetation management database (VMD). PIs must tailboard increased clearance locations with TCs prior to tree work.

S:\Orchard - Distribution Project\5 Minute Meeting Annual Clearances

BMP 6: Whenever possible, VM Contractors will schedule distribution and transmission orchard-work at the same property, or corridor, and coordinate schedules using the project management database, seasonal restrictions and harvest schedule.

DATABASE MANAGEMENT

BMP 7: VM contractors will use "Orchard Projects" defined in PMD as a separate segment from the non-orchard patrol, identified by Circuit name as the Project name, and using Orchard as the descriptor. The PMD Standardization Guidelines must be utilized for specific guidance.

Note: Non-Orchard trees can be listed in an orchard project with "Private" as owner.

BMP 8: Pre-inspection contractor will maintain a list of Orchard Owners that will be updated / edited / corrected frequently so that accurate information can be used by TCs. The grower list for the transmission orchard

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program will include distribution orchard owners if distribution lines exist on the same property. Pre-patrol notification letters must be mailed in advance of each scheduled quarter, and mailing coordinated with transmission orchard program pre-patrol letters to avoid duplications. To the extent possible, one letter should be sent when a property / grower has both transmission and distribution. PI transmission will send these letters - one for transmission only and one for distribution and transmission; distribution-only will be handled by PI distribution.

BMP 9: PI contractors will verify the accuracy of contact information and update the database as required. For obtaining current orchard owner phone numbers, PIs have access to a variety of databases including CCNB /S AP information provided by PG&E clerk

BMP 10: SCUF will provide orchard PIs with Pre-Planning reports for orchard projects from back office PMD, and discuss quality, schedule and compliance goals

PRE-WORK REVIEWS / BENCHMARKING

BMP 11: VM contractors will perform customer call outs utilizing the customer notification system, specific to orchard projects. Call out schedules must be coordinated with transmission orchard program to avoid duplications.

BMP 12: Locations: Identify orchards that have discussion topics (i.e., clearance, different species, older mature trees, new plantings, etc.). Contractors will work with the orchard owner to ensure coordination. Ensure benchmark locations are safe, away from main thoroughfares, and with plenty of parking.

Orchard owner notifications: Benchmarks should include the importance of proper notifications to all orchard owners / managers. They should be conducted pre-and post-harvest to help educate inspectors on the effects of leaf and nut loading, or changing tree-conductor clearances from dormant season to time of harvest.

VM contractors must conduct representative benchmarks prior to annual tree maintenance.

TALKING POINTS

BMP 13: VM contractors will review talking points when communicating with orchard owners to deliver a consistent message.

S:\Orchard - Distribution Project\Talking Points

Bulletins are intended to communicate the following:

- An immediate change in how business is done
- Information about a safety, health or environmental incident or issue and resulting required actions
- Information about a new mandatory compliance requirement

A clarification of a previous instruction to communicate why the document is being

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Enhanced Vegetation Management Pre-Inspection Procedure

SUMMARY

This procedure describes how to perform pre-inspection patrols specific to the Enhanced Vegetation Management (EVM) program in effort to reduce vegetation related risks to electric distribution and transmission facilities.

Level of Use: Informational Use

TARGET AUDIENCE

Vegetation management (VM) operational employees and contractors involved in pre-inspection (PI) activities.

SAFETY

NA

BEFORE YOU START

NA

TABLE OF CONTENTS

SUBSECTION TITLE PAGE

1 General Expectations 2
2 Overhanging Vegetation 2
3 Primary Conductor Radial Clearance 2
4 Trees with Strike Potential 3
5 LIDAR Based Vegetation Points 3
6 Customer Refusal 4
Appendix A, Diagram of EVM Tree Work Standards 6

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Enhanced Vegetation Management Pre-Inspection Procedure

PROCEDURE STEPS

1 General Expectations

1.1 All overhead electric distribution and transmission facilities must be inspected for the following conditions:

- Vegetation overhanging the conductors, per Section 2.
- Vegetation currently or potential to encroach within 4-ft. of the primary conductor before the next routine cycle, per Section 3.
- Vegetation tall enough to strike the facilities, per Section 4.

1.2 IF there is any known risk to the electric facilities, THEN prescribe the tree for work.

1.3 IF the prescribed tree work will create a subsequent hazard, THEN prescribe tree for removal.

1.4 IF the tree is observed within the minimum distance requirements (MDR) (see Utility Procedure TD-7102P-01, "Vegetation Management Distribution Routine Patrol Procedure") or the tree is failing,

THEN follow Utility Procedure TD-7103P-09, "Vegetation Management Hazard Notification Procedure."

1.5 WHEN an abnormal field condition is identified, THEN follow Utility Procedure TD-7102P-09, "Reporting Abnormal Field Conditions Procedure.

2 Overhanging Vegetation

2.1 The PI must prescribe clearance of any vegetation if:

- The vegetation is currently within the 4-ft. vertical plane (see Appendix A) of primary conductor, or
- The vegetation will enter the 4-ft. vertical plane before the next routine/compliance cycle.

3 Primary Conductor Radial Clearance

3.1 For vegetation with the potential to encroach within a 4-ft. radius of the primary conductor before the next routine/compliance tree work cycle, PRESCRIBE a minimum of 12-ft. radial clearance.

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3.2 Coastal redwoods and giant sequoias are not required to be removed or mitigated below conductor height (i.e. “topped") when the tree trunk occurs within the 4-ft. radius of the primary conductor, IF the tree has no indications of any of the following conditions:

- Re-sprouting from the bole of the tree resulting in annual non-compliance.
- Significant defects.
- Poor trunk attachments related to secondary re-growth from past trunk failures.

4 Trees with Strike Potential

4.1 INSPECT all trees tall enough to strike facilities.

4.2 IF the tree is tall enough to strike, CREATE a vegetation point. For LIDAR generated vegetation points, refer to Section 5.

4.3 ASSESS the tree using the tree assessment tool (TAT) within GISArc Collector.

- For trees with an “abate” result, PRESCRIBE the tree work to remove the risk.
- For trees with a “do not abate” result, POPULATE fields as follows:
  - Status select “No Work Required under EVM.”
  - Prescription select “NW_No Work.”

5 LIDAR Based Vegetation Points

NOTE

Vegetation points based on LIDAR data are considered accurate. Physical validation is required before the inspection is considered complete. This will ensure all trees with strike potential are properly identified and mitigated.

5.1 All LIDAR based vegetation points must be validated by a PI.

5.2 The PI must assess each vegetation point, as specified in Step 1.1.

5.3 IF a tree is does not exist (e.g. two vegetation points are listed but one tree was physically removed) or is clearly not tall enough to strike facilities at time of inspection, THEN populate the vegetation point fields as follows:

- Status select “Not Valid.”
- TAT Result select “Not a Strike Tree.”

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6 Customer Refusal

6.1 IF the customer refuses removal or pruning, THEN FOLLOW Utility Procedure TD-7102P-04, "Distribution Vegetation Refusal Procedure."

END of Instructions

DEFINITIONS

Facilities: Any electrical or non-electrical conductors or apparatus on a pole, the pole, or any pole supporting wires. Service drops are excluded.

LIDAR: Stands for Light Detection and Ranging. Data collected and generated by remote sensing technology using light detection.

Trees: Vegetation with a diameter at breast height (DBH) of 4-in. or more.

Vegetation point: A data point used to represent a tree in the VM inventory system.

Vertical plane: The area created by horizontally extending 4-ft. from both sides of the outer most conductor then vertically extending to the sky (i.e. football goal post).

IMPLEMENTATION RESPONSIBILITIES

The vegetation management document owner is responsible for the rollout, communication, and periodic review of this utility procedure. Vegetation management operations personnel are responsible for taking the applicable training and executing the procedure where applicable.

GOVERNING DOCUMENT

Utility Standard TD-7102S, "Distribution Vegetation Management Standard (DVMS)"

COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

General Order (G.O.) 95, Rule 35

Public Resources Code (PRC), Section 4293

REFERENCE DOCUMENTS

Developmental References:

Cal Fire Power Line Fire Prevention Field Guide, 2008 revision

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Enhanced Vegetation Management Pre-Inspection Procedure

Supplemental References:

Utility Procedure TD-7102P-01, "Vegetation Management Distribution Routine Patrol Procedure"

Utility Procedure TD-7103P-09, "Vegetation Management Hazard Notification Procedure"

APPENDICES

NA

ATTACHMENTS

NA

DOCUMENT RECISION

NA

DOCUMENT APPROVER

[redacted], Director of Program Management, Vegetation Management

Concurrence:

[redacted], Manager, Vegetation Management

DOCUMENT OWNER

[redacted], Manager, Vegetation Management

DOCUMENT CONTACT

[redacted], Manager, Vegetation Management

REVISION NOTES

Where?	What Changed?
NA	NA

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Enhanced Vegetation Management Pre-Inspection Procedure

Appendix A, Diagram of EVM Tree Work Standards
Page 1 of 1

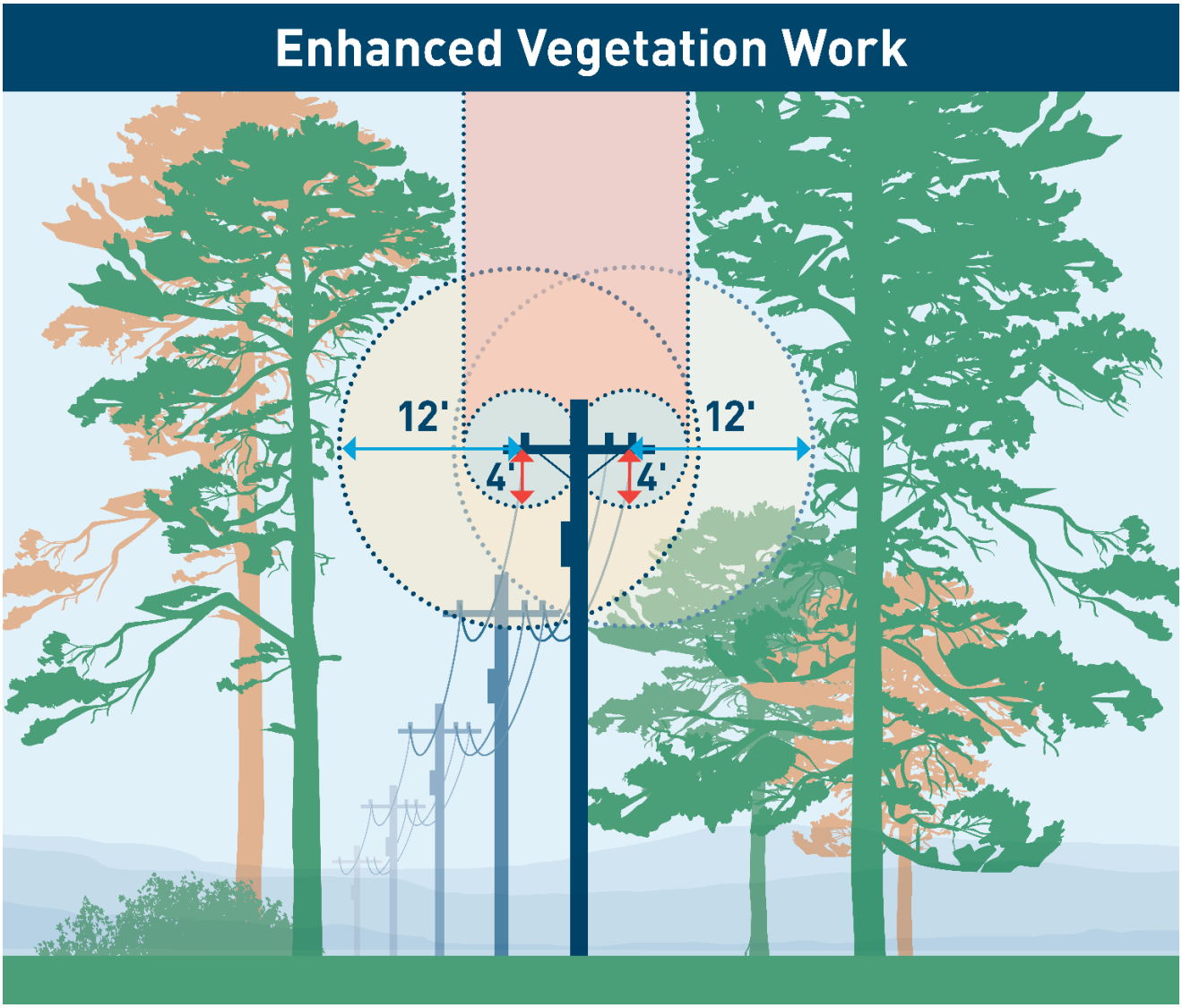


Figure 1. Diagram of EVM Tree Work Standards

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Electric Overhead Tag

Notification #: 131309293
PM Order #: 35645278
Priority: X **Sub Priority:**
Date Identified: 06/03/2025 **Date Required:** 06/10/2025

Identified in Field By: [redacted]
Street Address: [redacted]
City: POINT ARENA
Cross Street:
Division: Humboldt
Latitude: [redacted]
Longitude:
Description: POLE_DECA_REPL [redacted] RD PT AR

Plat: Y04
Circuit:
SSD:
Equipment #:
Pin #: _____
Pole #: _____
OIS #: _____
SAP Func. Location: ED.46-Y040000000.STRU.POLE
SAP Equipment: 102180103
Accessibility Tier:

Item Details

	Facility Type	Damage	Cause	Action
Item 1	POLE Pole	DECA Decayed/Rotten	PORO Pole Rotten	REPL Replace
	☒ Completed ☐ Canceled			
Item 2	CRSS Crossarm	BROK Broken/Damaged	PORO Pole Rotten	REPL Replace
	☒ Completed ☐ Canceled			
Item 3	CUTO Cutout	BROK Broken/Damaged	PORO Pole Rotten	REPL Replace
	☒ Completed ☐ Canceled			
Item 4	FUSE Fuse	BROK Broken/Damaged	PORO Pole Rotten	REPL Replace
	☒ Completed ☐ Canceled			

☐ Pole Test Sheet

User Status

Conductor/Operating Information		Field Identification		Field Condition (Exposure)		Field Condition (Accessibility)		Other	
Status	Description	Status	Description	Status	Description	Status	Description	Status	Description

Job Estimates

Est. Total Hrs. to Complete: 0
Main Work Center: FTBRAGG, Fort Bragg
Funded Repair Date:

Issued To

Est. Electric Crew Size: 03
Gas Crew Size: 00

WTC: 501, 17B-EC - OH Capital Emergency
MAT: 17B, Repl Plnt Corr-E-OH

Reviewed By: _____ Date of Field Review: _____

Completed or Canceled in Field By (LAN ID): [redacted] If No LAN ID Last Name, First Name: _____

Complete or Cancel Date: 06/04/2025 Actual Hours: 30.00 *Check One: PG&E Crew ☒ T-Man ☐ Contractor ☐

*Check One: Completed ☒ Canceled ☐ Found Completed Upon Arrival ☐

Signature: _____

I verify that all maintenance on this notification is addressed (completed, canceled, or found completed upon arrival)

Electric Overhead Tag

Notification #: 131309293
PM Order #: 35645278
Priority: X **Sub Priority:**
Date Identified: 06/03/2025 **Date Required:** 06/10/2025

***Public Safety & Regulatory Reviewer: If notification was canceled, check one (required):**

- ☐ **CONV:** Converted to another Notif-Type
- ☐ **EROR:** Created in Error (Desk Cancelation)
- ☐ **PROG:** Completed under another Program
- ☐ **DUMM:** "Dummy" for order only
- ☐ **NCOA:** All Found Completed/Resolved on Arrival
- ☐ **DUPL:** Duplicate EC for Same Location
- ☐ **NOCR:** No Compelling/Regulator Condition Exist

List of Tasks on Notification

Completed Completed By: [redacted] Completion Date: 06/04/2025

Field Comments:

Comments

06/03/2025 08:45:00 PST [redacted] Phone [redacted]
POLE IDENTIFIED AS POTENTIAL SAFETY HAZARD REQUIRING X TAG. POLE HAS SEVERE SHELL ROT AND SIGNS OF VEHICLE STRIKE. REPLACE SINGLE PHASE TANGENT POLE WITH PRIMARY RISER.
06/03/2025 14:11:49 PST SDOCPIC (SDOCPIC)
06/03/2025 14:11:50 PST [redacted]
35645278E - The Estimator was updated from a blank value to [redacted].
06/03/2025 14:11:50 PST SDOCPIC (SDOCPIC)
06/03/2025 14:11:51 PST [redacted]
35645278E - The Supervisor was updated from a blank value to [redacted]
06/03/2025 14:12:03 PST SDOCPIC (SDOCPIC)
06/03/2025 14:12:04 PST [redacted]
35645278E - The ERDY was updated from unchecked to checked.
06/03/2025 14:12:05 PST SDOCPIC (SDOCPIC)
06/03/2025 14:12:05 PST [redacted]
35645278E - The ERDY was successfully updated in SAP
The following Estimating fields were updated in SAP:
Resp Ord Management
Estimating Assignment
Estimating Resource
Estimating Out Date
06/03/2025 14:56:26 PST [redacted] Phone [redacted]
Order Number - 35645278 - V001 Estimate started in EES by [redacted]
06/03/2025 16:10:49 PST [redacted] Phone [redacted]
confirmed with [redacted] Q), distibution planning, to replace SBs with 2-PT44H 8ELF

Electric Overhead Tag

Notification #: 131309293
PM Order #: 35645278
Priority: X **Sub Priority:**
Date Identified: 06/03/2025 **Date Required:** 06/10/2025

06/03/2025 16:25:52 PST Freddie Zamora-Cedillo (FXZC) Phone 559-260-6381
From: Emergency Orders Level 1
Sent: Tuesday, June 3, 2025 4:25 PM
To: Elect Emergency Orders-HU [redacted]
Cc: [redacted]
Subject: EMERGENCY - PM# 35645278 / Notif#: 131309293 / WORK CTR:
FTBRAGG / POLE_DECA_REPL [redacted] PT AR, POINT ARENA
All,
Here's the Size and Go information & completed package.
PM: 35645278
Notif: 131309293
Sap ID#: 102180103
OIS:
Lat: [redacted]
Long: [redacted]
SSD: 5139
Circuit: POINT ARENA 1101
Environmental Report
Corrosion Area: SEVERE
Raptor Zone: NO
Fire Area Designation: SRA
High Fire Threat District: 2
Snow Loading: LIGHT
Insulation District: AA
Operating Voltage: 12kV
Historical Peak Wind: 80-90 mph
Primary Voltage Area: 2
Size & Go:
Existing: 45-5, SB
Go Back with: 45-4, FCOs
Pole set depth: 7.5
Pole Calc was based on the following information. Construction to Verify the pole meets these minimum specifications:
DG: n/a
Anchor: n/a
Lead: n/a
Angle: n/a

Communication Cond/Heights: n/a
If the field conditions of the pole do not meet the minimum pole specs
given above, please contact the Routine Emergency line at [redacted]
If they meet or exceed, please initial and upload this e-mail with the
As-Builts.
Foreman Initials_____
Thank you,
[redacted]
06/04/2025 07:34:02 PST [redacted]
PRINTED JOB PACKET TO POINT ARENA.
06/04/2025 16:39:39 PST [redacted]
CNCL EC 121690597 PM 35642457 ONCE X TAG IS COMPLETE
06/05/2025 07:51:36 PST [redacted]
EM X TAG COMPLETED IN CONSTRUCTION BY [redacted] ON 6/4/25 30HRS
"JOB REDLINED" USED 45' CL 1 POLE
INSTALLED: 8' COMPOSITE TANGENT CROSSARM
INSTALLED: PT 44H CUTOUTS AND 8A ELF FUSES
DOCS SCANNED TO THE NOTIF/ORDER
SENT EMAIL TO JOB OWNER TO REQUEST TO CANCEL PM# 35642457/121690597 PER
[redacted]
06/05/2025 08:19:54 PST [redacted]
DID NOT COMPLETE TASK DC05 DUE TO TASKS DS 18&21 NOT COMPLETE.
06/29/2025 11:20:32 PST SDOCPIC (SDOCPIC)
06/29/2025 11:20:32 PST [redacted]
35645278E - The As-Built documents have been reviewed. PLC updated to
match As-Builts. EES updated.
07/02/2025 07:07:40 PST [redacted]
35645278e: EST/PLC/FAA REVIEWED AND SENT TO [redacted] FOR SUP APPROVAL.
07/03/2025 10:20:05 PST [redacted]
QC Assessment was performed on Completed Documentation Accuracy by
Quality Control As Built Team.
07/03/2025 13:09:32 PST [redacted]
CAP 131429610
PM 35645278 Notif 131309293
CP-20 ZKOD Report reflects "Open Items Related to the Order - Exist".
Corrective action required for clerical to resolve ZKOD errors. Please
see TD-2050P-01-F01 / TD-2060P-02. (Clerk [redacted] /Supv [redacted])
CP-22 SAP Entry Accuracy- As Built Crew Instructions not included in As-

Electric Overhead Tag

Notification #: 131309293
PM Order #: 35645278
Priority: X **Sub Priority:**
Date Identified: 06/03/2025 **Date Required:** 06/10/2025

Built. Corrective action required to scan and attach Crew Instructions in SAP with As-Built package. Please refer to GOV-701S Enterprise Records and Information Management Standard, "each functional area is accountable for creating and maintaining data, information, and records that are complete, accurate and verifiable (Clerk [redacted] /Supv [redacted]
[redacted]

FDA		New	Priority	Comp
Anchor				
Broken/Damaged	Repair		F	
	Replace		F	
Corroded	Repair		F	
	Replace		F	
Missing	Install		F	
Soil/Eroded/Graded	Adjust		F	
	Replace		F	
Animal Mitigation				
Broken/Damaged	Replace		E	
Mitigation Missing	Install		E	
Bird Protection				
Bird Protection	Install		E	
	Replace		E	
Bonding				
Broken/Damaged	Repair		E	
Missing	Install		E	
CB Pole				
Broken/Damaged	Replace		F	
Burnt	Replace		E	
Decayed/Rotten	Replace		F	
Buddy Pole				
Improperly Supported	Repair		E	
Booster/Regulator				
Broken/Damaged	Repair		E	
	Replace		E	
Burnt	Repair		E	
Excessive Operation	Overhaul		E	
Leaks/Seeps/Weeps	Clean		E	
	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Capacitor				
Broken/Damaged	Repair		E	
	Replace		E	
Burnt	Repair		E	
	Replace		E	
Leaks/Seeps/Weeps	Clean		B	
	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Climbing Space				
Obstructed	Adjust		F	

FDA		New	Priority	Comp
Conductor				
Broken/Damaged	Repair		E	
	Replace		E	
Broken Splice	Replace		B	
Burnt	Repair		E	
	Replace		E	
Clearance Impaired	Adjust		E	
	Install CL Pole		E	
	RayChem		E	
Floater	Repair		E	
Idle Facilities	Remove		E	
Improper Connection	Adjust		E	
Loose Lashing	Repair		E	
Overloaded	Test		E	
Sag/Clearance	Adjust		E	
	Replace		E	
	Install Spreader Bracket		E	
Splice Tied In	Replace		E	
Temp Differential	Replace		E	
Connector				
Burnt	Replace		E	
Corroded	Repair		E	
	Replace		E	
COPPER OVER ALUMINUM	Replace		E	
Incorrectly Installed	Replace		F	
Insulation Deteriorated	Repair		E	
TAP CLAMP W/EQUIPM	Replace		E	
Temp Differential	Replace		E	
Crossarm				
Broken/Damaged	Repair		E	
	Replace		E	X
Burnt	Repair		E	
	Replace		E	
Decayed/Rotten	Repair		E	
	Replace		E	
Cutout				
Broken/Damaged	Repair		E	
	Replace		E	X
Clearance Impaired	Adjust		E	
Flashed	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Deadend Cover				
Broken/Damaged	Repair		F	
	Replace		F	
Decorative Streetlight				
Broken/Damaged	Replace		E	
Missing	Install		E	
Fault Indicators				
Broken/Damaged	Replace		E	
Fuse				
Broken/Damaged	Repair		E	
	Replace		E	X
Clearance Impaired	Adjust		E	
Flashed	Repair		E	
	Replace		E	
Temp Differential	Replace		E	

FDA		New	Priority	Comp
Ground				
Broken/Damaged	Repair		B	
	Replace		B	
Exposed	Repair		F	
Missing	Install		E	
Temp Differential	Replace		E	
Guy				
Broken/Damaged	Repair		F	
	Replace		F	
Clearance Impaired	Adjust		F	
Corroded	Repair		F	
	Replace		F	
Loose	Adjust		F	
Missing	Install		F	
Overgrown	Trim		E	
Strain/Abrasion	Adjust		F	
	Remove		F	
Guy Marker				
Missing	Install		F	
	Replace		F	
Hardware/Framing				
Bird Prot Required	Install		E	
Birdcage	Install		E	
Broken/Damaged	Remove		E	
	Repair		E	
	Replace		E	
Loose	Adjust		E	
Missing	Install		E	
High Sign				
Broken/Damaged	Replace		F	
Missing	Install		F	
Insulator				
Broken/Damaged	Replace		E	
Flashed	Replace		E	
Primary Squatter	Repair		E	
	Replace		E	
Secondary Squatter	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Jumper				
Burnt	Replace		E	
Clearance Impaired	Adjust		E	
	Replace		E	
Temp Differential	Replace		E	
LAPP Insulator				
Broken/Damaged	Replace		E	
Lightning Arrester				
Broken/Damaged	Repair		E	
	Replace		E	
Flashed	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Marking				
Broken/Damaged	Replace		F	
Missing	Install		F	
Molding				
Broken/Damaged	Repair		F	
	Replace		F	
Loose	Adjust		F	
Missing	Install		F	

FDA		New	Priority	Comp
OH Facility				
Bird Prot Required	Install		E	
Customer Related	Access		B	
	Appointment		B	
	Refusal		B	
Graffiti	Paint		E	
Idle Facilities	De-Energ		E	
	Remove		F	
	Transfer		F	
Limited Access	Inspect		B	
	Patrol		E	
	Remove		E	
Bird Nest	Remove		E	
Obstructed	Inspect		B	
	Remove		E	
	Replace		B	
Transmission Issue	Create LC		B	
Operating Number				
Broken/Damaged	Replace		E	
Missing	Install		E	
Pole				
Broken/Damaged	Re-Frame		E	
	Repair		E	
	Replace		E	
	Pole Stub		E	
Burnt	Repair		E	
	Replace		E	
	Pole Stub		E	
Clearance Impaired	Repair		E	
	Replace		E	
Decayed/Rotten	Re-band		E	
	Pole Top Repair		E	
	Reinforce		E	
	Repair		E	
	Replace		E	X
	Pole Stub		E	
Idle Facilities	Remove		F	
Leaning	Adjust		E	
	Replace		E	
Overloaded	Replace		E	
	Test		E	
No Safe Access to Pole	Inspect		B	
Soil/Eroded/Graded	Replace		E	
Woodpecker Damage	Repair		E	
	Replace		E	
Recloser/Sectionalizer				
Broken/Damaged	Repair		E	
	Replace		E	
Excessive Operation	Overhaul		E	
Flashed	Repair		E	
	Replace		E	
Leaks/Seeps/Weeps	Clean		E	
	Repair		E	
	Replace		E	
Temp Differential	Replace		E	

EMERGENCY ONLY Check Cause (Required)			
☐	Animal	☐	Bird
☐	Equip Failed	☐	Fire
☐	Lightning	☒	Pole Rotten
☐	Third Party	☐	Tree Branch
☐	Tree Contact	☐	Tree Fell
☐	Unknown	☐	

All FDA's identified in field
Priority = Default Priority for B, E, G, & F-Regulatory FDA's
Comp = Check if co in Field

Printed By: [redacted] 7/30/2025

Electric Overhead Tag

Notification #: 131309293

PM Order #: 35645278

Priority: X **Sub Priority:**

Date Identified: 06/03/2025 **Date Required:** 06/10/2025

FDA		New	Priority	Comp
Riser/Pothead				
Broken/Damaged	Repair		E	
	Replace		F	
Installed in Error	Relocate		E	
Flashed	Repair		E	
	Replace		F	
Temp Differential	Replace		E	
ROAD				
No Safe Access to Pole	Repair		B	
Relinquished Pole				
Decayed/Rotten	Remove		E	
RTVI				
Interference	Repair		E	
	Replace		E	
SCADA/PDAC				
Broken/Damaged	Repair		F	
	Replace		F	
Leaks/Seeps/Weeps	Repair		F	
	Replace		F	
	Test		B	
Steel Lattice Pole				
Guarding Missing	Install		E	
Sec_Svc Conductor				
Splice Installed	Replace		F	
Pole Step				
Clearance Impaired	Remove		F	
Streetlight				
Broken/Damaged	Repair		E	
	Replace		E	
Missing	Install		E	
Steel Lattice Tower				
Broken/Damaged	Replace		E	
Switch				
Broken/Damaged	Repair		E	
	Replace		E	
Temp Differential	Replace		E	
Tap Clamp				
Overloaded	Replace		E	
Trans_Dist Pole				
Bridging Broken	Repair		E	
Bridging Missing	Install		E	
Bonding Missing	Install		E	
Bonding Broken	Repair		E	
Tie Wire				
Broken/Damaged	Replace		E	
Corroded	Replace		E	
Improperly Installed	Replace		E	
Loose	Replace		E	
Temp Differential	Replace		E	

Electric Overhead Tag

Notification #: 131309293

PM Order #: 35645278

Priority: X **Sub Priority:**

Date Identified: 06/03/2025 **Date Required:** 06/10/2025

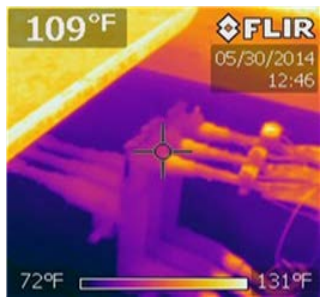
FDA		New	Priority	Comp
Transformer				
Broken/Damaged	Repair		E	
	Replace		F	
Corroded	Replace		E	
Flashed	Repair		E	
	Replace		E	
Idle Facilities	Remove		F	
No Common Neutral	Relocate		E	
Overloaded	Test		E	
Parallel	Replace		E	
Leaks/Seeps/Weeps	Clean		B	
	Re-Check		B	
	Repair		F	
	Replace		E	
Temp Differential	Replace		E	
Tree/Vine				
Clearance Impaired	Remove		E	
	Trim		E	
Decayed/Rotten	Install CL Pole		E	
Overgrown	Remove		E	
	Trim		E	
Tree Connect	Assessment		B	
	Install CL Pole		E	
Trip Saver				
Broken/Damaged	Repair		E	
	Replace		E	
Tree Wire				
Exposed	Repair		F	
Under-Arm Bus				
Broken/Damaged	Repair		F	
Visbility Strip				
Broken/Damaged	Replace		F	

EDPM Manual

Electric Distribution Preventive Maintenance Manual













"Zero In On Safety"

For Reference Use

Publication Date: April 1, 2016

PGE-CPUC-OWENS_00000704

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Welcome Message

Safety, the driving force behind everything we do at PG&E, is the reason for you picking up this manual today – thank you. A lot of what you'll see in this manual comes directly from the suggestions submitted by our PS&R Compliance Inspector team members.

By inspecting and patrolling our distribution lines and facilities, we stand a greater chance of maintaining the system to be able to deliver safe and reliable service to our customers. Most importantly, in being the best at what we do, we help protect our Communities from harmful incidents.

Use this manual as your everyday guide. It was created for you, by you and your colleagues, and it serves the needs of the people that mean the most to us: The Public, our Communities, and our Employees.

Noteworthy features of this handbook:

- Written from a PS&R user perspective
- Defined Roles & Responsibilities
- Easy to follow step-by-step instructions
- Helpful color pictures
- User friendly reference



Revision History

Version: March 31, 2015 / **PDF File:** May 25, 2015		
Chapter/Tab	**Section Number**	**Change**
All	All	First publication

Version: March 31, 2015 / **PDF File:** May, 26, 2015		
Chapter/Tab	**Section Number**	**Change**
All	N/A	Corrected formatting, copyright, updated chapter TOC pages, updated inside cover content Updated CG and GK for consistency

Version: January 1, 2016 / **PDF File:** January 6, 2016		
Chapter/Tab	**Section Number**	**Change**
All	All	Updated copyright date, corrected TOC as needed, standardized headings as needed
Revision History	New Section	Added revision history section
Map Packages	Section 2 & 3	Added “Printed copies of Pending Third-Party Notifications”
Map Packages	Section 5	Corrected Example 4: Acceptable Line Through image
Map Packages	Section 9, #1 / #2	Corrected map highlighting images
Map Packages	Section 10	Updated all images of P&I log examples
Map Packages	Section 11	Updated all map stamp content & images to reflect the new map stamp standard
Patrols	New Section	Added new Section titled “Performing Patrols” which describes when to highlight/count assets
Inspections	Section 6	Updated list of assets that must be inspected highlighted/not highlighted and counted/not counted
Inspections	Section 7	Updated list of assets that must be inspected highlighted/not highlighted and counted/not counted
Assessments, Notifications, and Forms	Section 7	Updated language to reflect the new 2-photo requirement when cancelling EC Notifications for NCOA conditions

Version: April 1, 2016 / **PDF File:** March 11, 2016		
Chapter/Tab	**Section Number**	**Change**
All	All	Updated copyright date Corrected TOCs as needed Standardized Section headings within chapter, as needed Standardized abbreviations, as needed Added blank pages for future sticker updates
Welcome	n/a	Added Welcome heading
Revision History	n/a	Added new content for this version
Table of Content	n/a	Added new tabs for Overhead Pole Assessments, EDPM Revisions, and EDPM Additions chapters
Safety	n/a	Standardized TOC, adjusted formatting
PG&E's GO165 Program	TOC page	Standardized TOC, formatting, added row "Field Assessments" to Section 3's "GO165 Program Element" table
PG&E's GO165 Program	Section 3 GO165 Program Elements	Added 'Field Assessments" row to GO165 Program Elements table
Roles & Responsibilities – Supervisor	All	Updated formatting, added blank pages
Roles & Responsibilities – Supervisor	Section 5 Review Completed Map Packages	Change to Document Requirements, first bullet: On **each** Daily Log, write your Initials and Date Reviewed in non-erasable ink
Roles & Responsibilities – Specialist	All	Updated formatting, added blank pages
Roles & Responsibilities – Clerical	All	Updated formatting, added blank pages
Roles & Responsibilities – Gatekeeper	All	Updated formatting, added blank pages
Roles & Responsibilities – Compliance Inspector	All	Updated formatting, added blank pages, updated class code. In Sections 3 and 4 added reasons for refresher training and removed refresher testing requirement.

Chapter/Tab	Section Number	Change
Map Packages	All	Updated formatting, added blank pages
Map Packages	Section 1 Definition of a Map Package	#1 added new bullet “Printed copies of Pending Third-Party Notifications (if any)” #2 corrected 4th bullet to “Updated and Signed copies of Pending EC Notifications (if any)”
Map Packages	Section 2 Examples of Overhead Map Package Section 3 Examples of Underground Map Package	#2 added new bullet “Newly written Idle Facility Form with photos”
Map Packages	Section 7 Map Package Process: Supervisor	#2 Updated 3rd bullet “On the Daily Log, use non-erasable ink to write your initials and date reviewed”
Map Packages	Section 8 Map Package Process: Clerical	Updated 4th bullet “Create Map Corrections using ED GIS which creates RW Notifications”
Map Packages	Section 13 Recommended Work Flow Steps for Inspector	Updated bullet with new EC 2-photo requirement “Cancel because all work found complete on arrival (NCOA); Two photos are required for this type of cancelation” Updated bullet with new EC 1-photo requirement “Cancel because field conditions do not meet EC Criteria (NOCR); One photo is required for this type of cancelation”
Preparing for Daily Work	All	Updated formatting, added blank pages
Preparing for Daily Work	Section 5 Job Site Awareness	Added to 3rd bullet • Fill out Daily Tailboard Form **Purpose of a Self-Tailboard:** To Review planned activities and all associated risks/hazards to ensure your personal safety and the safety of others

Chapter/Tab	Section Number	Change
Patrols	All	Entire chapter has been reformatted to be consistent with the Inspections chapter and to support future updates with stickers. Added blank pages.
Patrols	Section 1 What is a Patrol	Added Section 1 “What is a Patrol”. This section was previously located in the GO165 Program chapter.
Patrols	Section 2 When to Patrol	Updated last bullet to define “The start of an inspection or a patrol starts a new inspection or patrol interval that must be completed within the prescribed timeframe.“
Patrols	Section 4 Compliance Inspector Tasks	Updated 6th bullet to the standardized phrase “Completed, dated, and signed inspection maps and logs must be submitted to the PS&R office for review, along with any applicable forms daily, or at next visit to the PS&R office, not to exceed 5 business days.”
Patrols	Section 7 Patrol Documentation Requirements	Updated 3rd paragraph “Refer to “Map Package” in this manual.” Updated 4th paragraph to the standardized phrase “Completed, dated, and signed inspection maps and logs must be submitted to the PS&R office for review, along with any applicable forms daily, or at next visit to the PS&R office, not to exceed 5 business days.”
Inspections	All	Updated formatting, added blank pages
Inspections	Section 2 When to Inspect	Updated last bullet to “The start of an inspection or a patrol starts a new inspection or patrol interval that must be completed within the prescribed timeframe.“
Inspections	Section 5 Identify and Document Field Scenarios	Improved section by placing all 14 scenarios in one section. This section now matches the new compliance inspector training material.
Inspections	Section 6 Performing Overhead Inspections	Updated paragraph 2 to conform with the 360º view of pole as follows: “Begin at ground level to see a 360° view of the pole”
Inspections	Section 7 Performing Underground Inspection	Added content from the new compliance inspector training to “#2 Visually Inspect the Underground Facility”, listed “#(3) Transformers and Sight Glass”

Chapter/Tab	Section Number	Change
Inspection	Section 8 Inspection Documentation Requirements	For consistency and to match the Patrol Chapter content, added **"**A maintenance plan must be available defining when inspections are scheduled to be performed. The plan must cover the next five years for overhead inspections and the next three years for underground inspections."
Cannot Get In & Cannot Locate	All	Updated formatting, added blank pages, corrected abbreviations
Cannot Get In & Cannot Locate	Section 6 How to Record CGI on an EC Form	Adjusted images to fit on one-page
Cannot Get In & Cannot Locate	Section 7 How to Record CL on an EC Form	Adjusted images to fit on one-page
Map Corrections	All	Updated formatting, added blank pages, updated chapter's TOC
Map Corrections	Section 1 Definition of Map Correction	Change Section 1 heading from Purpose to "Definition of Map Correction"
Map Corrections	Section 3 Requirement: Map Correction	Added section. 1. Significant mapping discrepancies are documented on the Map Correction Form. 2. Compliance Inspectors are required to document significant mapping discrepancies.
Map Corrections	Section 4 Compliance Inspector Tasks	Adjusted step # 3 to "Enter the location number, circle the form code "**MC**", and write the condition on the Daily Log"
Minor Work	All	Updated formatting, added blank pages
Minor Work	Section 1 Definition of Minor Work	Updated to list the 3 forms used to document minor work Minor Work is recorded on these forms: 1. Minor Work Tracking Log 2. Updated Pending EC Notification (a.k.a. Shop Paper) 3. New EC Work Form for Capital work
Minor Work	Section 10 Timekeeping	Simplified chart showing 3-ways to track time for 3 different types of minor work

Chapter/Tab	Section Number	Change
Assessments, Notifications, and Forms	All	Updated formatting, added blank pages. Moved all Pole Assessment sections 9 to 13 to a new chapter/tab named “Overhead Pole Assessment”
Assessments, Notifications, and Forms	Section 2 Who Identifies Conditions	Renamed section to match its content
Assessments, Notifications, and Forms	Section 3 Assessment Process	Added bullet #7 “All Regulatory conditions or infractions” to paragraph titled “Factors to Consider When Evaluating an Abnormal Condition”
Assessments, Notifications, and Forms	Section 4 Impact / Probability Chart	Placed chart in its own section for easy reference
Assessments, Notifications, and Forms	Section 5 Degree of Importance Chart	Placed chart in its own section for easy reference
Assessments, Notifications, and Forms	Section 8 Filling out the EC Work Form	Corrected #2, bullet 4 label to ‘Action’
Assessments, Notifications, and Forms	Section 9 Take Photos	Upgraded content to section so it appears on the chapters TOC and to improve flow and readability. No change to content.
Assessments, Notifications, and Forms	Section 10 Addressing Emergencies	Upgraded content to section so it appears on the chapters TOC and to improve flow and readability. No change to content.
Assessments, Notifications, and Forms	Section 11 Vegetation Mgt From vs EC Work Form	Upgraded content to section so it appears on the chapters TOC and to improve flow and readability. No change to content.
Assessments, Notifications, and Forms	Section 12 Pending EC Field Validation	Upgraded content to section so it appears on the chapters TOC and to improve flow and readability. Corrected NCOR to NOCR Emphasized NOCR standard field text verbiage Updated EC cancelation photo requirements
OH Pole Assessment	All	Moved entire content from another chapter to improve flow and readability. Updated formatting, added blank pages.

Chapter/Tab	Section Number	Change
UG Infrared Assessment	All	Updated formatting, added blank pages
UG Infrared Assessment	Section 1 Definition of UG Infrared Assessment	Added definition During an UG Inspection, the Compliance Inspector performs tests using Infrared (IR) Thermography. The results of the IR test are compared to PG&E's published Corrective Maintenance Priorities for Underground (additionally, OH and Live-front) Distribution Facilities Qualitative Analysis Table to determine corrective maintenance priority.
Forms Catalogue	All	Renamed chapter from "Example of Forms" to "Forms Catalogue" Updated formatting, added blank pages, forms are current as of January 1, 2016
Glossary of Terms Definitions	All	Updated formatting, added blank pages Added content describing retired terms
Record Retention	All	Updated formatting, added blank pages
EDPM Revisions	All	New chapter/tab for EDPM revisions
EDPM Additions	All	New chapter/tab for EDPM additions

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- Roles & Responsibilities – Centralized Gatekeeper
- Roles & Responsibilities – Compliance Inspector

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- Map Packages
- Preparing for Daily Work
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- Inspections
- Cannot Get In / Cannot Locate
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- Underground Infrared Assessments

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- Forms Catalogue
- Glossary of Terms & Definitions
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Overview

This chapter describes PG&E's safety programs.



Safety is about protecting PG&E facilities, the public and **you*!***

Any time you feel unsafe or identify a possible unsafe situation, immediately proceed to a safe location and contact your supervisor for assistance.



Target Audience

PS&R Personnel



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1 Maintain Compliance Inspector (CI) Qualification

Before conducting PS&R patrols or inspections, PG&E Compliance Inspectors, hiring hall, and contract personnel are required to be current with their journeymen classification and pass PS&R's compliance initial and annual trainings and assessment.

---

2 Driving and Vehicular Safety

Whether you drive to perform work described in this handbook or to wherever your destination may be, driving should never be considered routine.

Always:

- Walk around your vehicle to visually inspect it.
- Maintain good housekeeping.
- Obey all laws while driving.
- Adhere to PG&E standards while operating vehicle.
- Use the **Smith 5 Keys™** to safe driving:
    1) Aim high in steering.
    2) Get the big picture.
    3) Keep your eyes moving.
    4) Leave yourself an out.
    5) Make sure they see you.
- Follow company guidelines for cell phone use while driving
- Ensure all items in the vehicle are properly stored and secured.
- Park in a safe location and cone vehicle.

See Motor Vehicle Safety Standard (SAFE-1002S) for more information.

---

3 Cone Your Vehicle

Cone your vehicle when arriving to a job site AND working in a work-protected area:

- Use a minimum of two cones.
- Place the first cone in front of your vehicle.
- Place the second cone in the back of your vehicle.

4 Wear Personal Protective Equipment (PPE)

The PPE was designed for your safety.

You must wear your PPE and any additional safety equipment your supervisor may require when working in the field or performing a specific task.

Table 1. Required PPE

PPE	TYPE	WHEN TO WEAR
Traffic vest	Class II (no-sleeve)	Traffic speed less than 50 mph
	Class III (short-sleeve)	Traffic speed at or above 50 mph Working at night Within all Cal Trans jurisdiction
Gloves	Rubber gloves with approved leather protector (Class 00–Type II)	Working on secondary Up to 300 Volts
	Class II Rubber gloves with protectors	Above 300 Volts
	Long gauntlet leather gloves	As required
Hard hat	PG&E approved	As required
Long sleeve shirt	Flame resistant (FR)	At all times
Long pants	Flame resistant (FR)	At all times
Safety Glasses	PG&E approved	As required
Proper footwear	EH approved leather and above ankle	At all times

5 Aware of Job Site / Work Site / Location Safety Hazards

Safety hazards vary depending on the specific task you are performing. Hazards that impact your work include, but are not limited to:

- Traffic conditions
- Tripping and slipping hazards
- Dangerous animals and insects
- Dangerous surroundings
- Minimum working distances
- Arc flash boundaries
- Environmental Releases (Oil/PCB spills)
- Construction activities



6 Self-Checking (STAR)

Stop, Think, Act, and Review

Self-Checking is an expected standard of performance for all personnel. This process helps you to ensure that the action you are about to take is correct before using any equipment.

Stop

1. Take the time to pause and focus on the task you are about to perform.
2. Eliminate distractions.

Think

1. Think about the task to be performed.
2. Understand what is to be done.
3. Know the expected response and indications of that action.
4. Determine if the task is appropriate for the given conditions.
5. Identify the correct component.
6. Plan the actions to take if the response is not as expected.

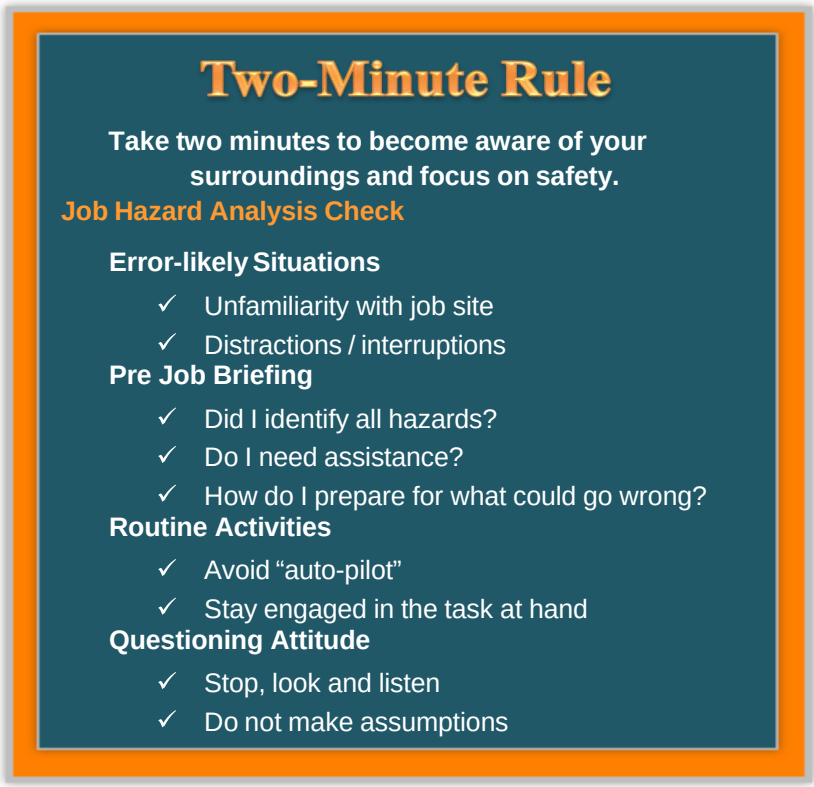
Act

1. Perform the task.

Review

1. Evaluate the results of your action.
2. Verify the correct, expected response.
3. Take pre-planned actions if the response is not as expected.

7 Understand the Two-Minute Rule



---

8 Use Three-way Communication Method

The three-way communication method helps to ensure that information passing between multiple people is transferred and understood reliably.

Use the three-way communication method in sound-alike systems, high noise areas, and poor reception during radio or telephone communications to:

- Ensure that the correct actions are performed
- Communicate alphanumeric information of facility equipment names (see Table 2, "Phonetic Alphabet" and Table 3, "Phonetic Numeral")

To use the three-way communication method:

1. The **speaker states** (enunciates) a message. Avoid using slang terms.
2. The **listener repeats** back the message to verify understanding.
3. The **speaker confirms** to acknowledge the message heard.

Table 2. Phonetic Alphabet

LETTER	WORD	LETTER	WORD
A	Alpha	N	November
B	Bravo	O	Oscar
C	Charlie	P	Papa
D	Delta	Q	Quebec
E	Echo	R	Romeo
F	Foxtrot	S	Sierra
G	Golf	T	Tango
H	Hotel	U	Uniform
I	India	V	Victor
J	Juliet	W	Whiskey
K	Kilo	X	X-ray
L	Lima	Y	Yankee
M	Mike	Z	Zulu

Table 3. Phonetic Numeral

NUMBER	PRONOUNCED
0	Zero
1	Wun
2	Too
3	Tree or Thr-ree
4	Fower
5	Fife
6	Siks
7	Seven
8	Ate
9	Niner

9 More Information

- Code of Safe Practices
- Safety & Performance Fundamentals Handbook

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Overview

This chapter summarizes PG&E's GO 165 Program.

Target Audience

PS&R Personnel



PG&E's GO 165 Program

PG&E's GO 165 Program is focused on safety and reliability.

The GO 165 Program is primarily focused on the identification, assessment, prioritization, and documentation of **compelling abnormal conditions, regulatory conditions, and third party caused infractions that negatively impact safety or reliability.** These conditions are identified during patrols and detailed inspections of PG&E's distribution facilities, and may occur as a result of operational use, degradation, deterioration, environmental changes or third-party actions.

The GO 165 Program does not identify all GO 95 and 128 infractions.

When **new** facilities are **constructed or reconstructed**, they are built to the general orders and per company standards in effect at the time of construction. PG&E's experienced and skilled journey level workers are instructed and trained on the general orders / standards and their work is subject to review to ensure compliance.

Additionally, there are a number of preventive and corrective maintenance programs that are focused on maintaining assets, replacing assets or targeted service reliability improvements, such as the Pole Test & Treat program and line equipment inspections and testing.

This allows the Compliance Inspectors conducting GO 165 patrols and inspections to focus on safety and reliability.

1 About this Manual

This manual is intended to provide guidance and instruction about the requirements of the GO 165 Program in order to perform and document patrols and inspections. This manual also provides guidance about how to assess and document field conditions that meet the criteria for a **compelling abnormal condition or a regulatory condition** that pose a **safety or reliability risk** based on the following:

- The abnormality encountered
- Risk if the condition continues to deteriorate
- Probability and impact of failure and/or exposure
- Impact of exposure to the hazard such as potential for injury, nature of injury, or property damage
- The risk of exposure to the public, workers, or employees
- Regulatory conditions as identified on the back of the EC Work Form

---

2 Inspector Qualifications & Training

Detailed inspections are an essential element of our overall maintenance program. Compliance Inspectors must complete at least three years of classroom and supervised field training to achieve the Journeyman classification. In addition, Compliance Inspectors receive special training targeted to the maintenance and inspection process with an emphasis on assessing and identifying conditions that would negatively impact safety and reliability. They are further trained to make assessments at each location of the surroundings and environment when determining how to prioritize all of the work necessary.

3 GO 165 Program Elements

GO 165 MAINTENANCE PROGRAM	
Patrols	**Description**: Maintenance activities that include a simple, visual examination of applicable overhead and underground facilities to identify obvious structural problems and hazards. **Standard**: Utility Standard S2301 - Electric Distribution Preventive Maintenance (EDPM) Program for Overhead and Underground Facilities, EDPM Manual. **Owner**: Distribution Operations, Public Safety & Regulatory
Inspections	**Description**: Maintenance activities that include a careful examination of individual components, structures and equipment through visual observation and/or routine diagnostic tests. **Standard**: Utility Standard S2301- Electric Distribution Preventive Maintenance (EDPM) Program for Overhead and Underground Facilities, EDPM Manual **Owner**: Distribution Operations, Public Safety & Regulatory
Field Assessments	**Description:** Field assessments are activities performed by Compliance Inspectors to identify compelling abnormal conditions and/or regulatory conditions that pose a safety or reliability risk or hazard and require action. • **Preventive:** Perform scheduled Patrols and Inspections • **Corrective:** Report compelling abnormal conditions, regulatory conditions and third-party caused infractions **Standard**: Utility Standard S2301 - Electric Distribution Preventive Maintenance (EDPM) Program for Overhead and Underground Facilities, EDPM Manual. **Owner**: Distribution Operations, Public Safety & Regulatory

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Overview

This chapter describes the primary roles and responsibilities of the PS&R Supervisor. For specific information, refer to the applicable Standard.



Target Audience

PS&R Personnel



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Manage Third-Party Notifications 6
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1 Conduct Safety Tailboards

- Provide PS&R Organization tailboards
- Review performance (YTD safety, productivity results)
- Review recent audit and work verification findings
- Review upcoming required training
- Enter roster into tool (may be assigned to clerk)

---

2 Perform Work Observations

Refer to detailed work observation checklist:
http://obcapp001/PGEObservation/

Focus on:

- Driving Safety
- Keys to Life
- Field Ergonomics
- Public Safety
- Tools and Equipment

---

3 Work Verification

- Refer to Bulletin TD 2301B-002 for detailed instructions, i.e. number of required locations per Inspector Work Verification of Electric Distribution Maintenance GO 165 Inspections
- Required Monthly
  - Minimum of 4 OH and 4 UG locations
  - If more than 4 Inspectors performing OH or UG inspections, a minimum of ONE location per Inspector is required

4 Assign/Schedule Maps

- Review your annual plan via your Division Spreadsheet or GO 165 Manager in SAP
- Determine month that map is going to be completed, based on the CPUC Due Date for the Map in excel spreadsheet
- Internal target is to meet 12-month due date, but adjustments can be made as needed, not to exceed the CPUC due date
- When possible, schedule maps with OH and UG work due in the same year to be done at the same time
- Re-schedule maps as appropriate throughout the year
- Refer to CPUC Due Date for maps that need to be addressed in the next 6 weeks, aka “At Risk” (At Risk Date = 6 weeks before CPUC due date) to ensure compliance
- Identify maps to be worked via air patrol
- Manage Urban Wildfire (UWF), Other Wildfire (OWF), Santa Barbara Wildfire (SBWF) maps to be completed by date assigned by Program
- Manage maps with special circumstances (re-inspections, special inspections, etc.)
- Manage annual inspections for vaults/manholes with sump pumps or oil filled equipment
- Provide guidance to staff regarding entry of partial units
- Assign Map Package to Compliance Inspectors

---

5 Review Completed Map Packages

- Review map to ensure all facilities are highlighted
- Confirm Inspector used non-erasable ink
- Confirm that all locations identified on the map have a corresponding entry on the Daily Log and appropriate form (EC, Map Correction, etc.)
- Confirm actual unit count for inspection maps

- Confirm actual unit count for patrol maps **only** if there is a large variance between plan vs. actual count
- Documentation requirements to confirm the Supervisor has completed the review of the Map and Daily Log(s)
    - On **each** Daily Log, write your Initials and Date Reviewed in non-erasable ink

      Note: *A stamp **does not** fulfill the requirement, but can be used in addition to your wet sign-off*
    - On the Map, write your Initials and the Date you reviewed the Map in non-erasable ink (best practice is next to the stamp on the map)

      Note: *A stamp **does not** fulfill the requirement, but can be used in addition to your wet sign-off*

---

6 Review New EC's

- Verify that the location numbers on the map correspond with entries on EC Forms
- Perform a cursory review **only** to check for the following:
    - Look for missing and required information (such as no clearance required box is checked, etc.)
    - Look for any new "Cannot Get In" or "Cannot Locate" EC's that will need to be addressed by the CPUC's Map Due Date for the map (the formal review is completed by the Centralized Gatekeeper).
    - You do **not** need to initial or sign-off on new EC Forms to confirm your cursory review
    - You do **not** need to check for photos, attachments, etc. (The Centralized Gatekeeper performs these tasks.)

---

7 Review Updated Pending EC's

- Review photos, any new FDA's/information to verify the change/update is valid and complete
- If completed or canceled, ensure all applicable "complete" or "cancel" boxes are checked

- Write your Initials and the Date you reviewed the updated EC (best practice is to enter in the bottom right corner of page 1 of the EC Notification)
- EC's Created & Completed by Inspectors (Capital Minor Work)
- Confirm location on a map/location on a log/EC Form match
- Review for overall completeness, missing information, etc.
- Check for correct accounting
- Write your Initials and the Date you reviewed the EC Form

---

8 Review Other Forms

- Idle Facility (IF) Form: All fields with an * need to be filled out
- Map Corrections Form (MC): All fields except for the "Sub", "Circuit", and "Dept. Ref. Number" should be filled out
- Third Party Notification (TP) Form: All fields except for the PG&E Reference #, customer/utility address, and phone number need to be filled out (clerks will verify the customer/utility and fill out these fields)
- Minor Work Tracking Log: All fields in the header section need to be filled out
- Confirm the "header" section of each form is filled out completely
- Confirm location on a map/location on a log/Form match
- Review for overall "completeness", missing info, etc.
- Write your Initials and the Date you reviewed the form; best practice is to enter in the bottom right corner of each form

---

9 Manage CGI/CL EC Notifications

- Refer to Cannot Get In / Cannot Locate section in the manual

10 Manage Third-Party Notifications

- Field calls from customers regarding what they need to do (provide clarification, may need a field check or assign to Inspector, etc.)
- When confirmation from utility or customer that issue has been addressed, perform field check to verify all work was completed and has addressed the issue
- Ensure Third Party Notifications are processed and entered in the system in a timely manner

---

11 Gatekeep Idle Facility

- Gatekeep Idle Facility Notifications within 5 business days

---

12 Gatekeep Bird Incidents

- Gatekeep Migratory Bird Incident Notifications within 5 business days

---

13 Manage Annual Bird Retrofit

- Create one ER Form per funded unit
- Manage ER Notification to completion

---

14 Manage Returned S9 Notifications

- Respond in a timely manner to returned S9's (target is 5 days for Priority B, 15 Days for other priorities)

15 Confirm Maps Logged as Completed

- Confirm that all maps logged as completed in the spreadsheet are physically in the file cabinet per current guidelines (joint responsibility with PS&R Specialist)

---

16 Review and approve Timecards

- PG&E Compliance Inspectors and Contractors will submit timecards
- Review and approve weekly, at minimum
- Ensure all required fields are filled out completely
- Review PM Orders (activity codes, hours charged, etc.)
- Review unit count provided by Inspector for each order
- Follow-Up with Inspectors when potential issues are identified
- Review any Overtime (OT) worked
- Review short text explanation provided for absence/attendance codes
- Review vehicle information (mileage and order number)
- Review PCC charges for validity
- Look at comments related to productivity
- Once reviewed, sign and date and submit to clerk for processing

---

17 Monitor Unit Cost & Productivity

- Manage vehicle take-home policy
- Manage “Yard Time” (stocking truck, office time)
- Review weekly reports
- Take notes, identify drivers
- Monitor individual productivity
- Identify best practices; share at team meetings

- Provide coaching
- Identify areas for improvement or training
- Manage maps that may require >1 Inspector (traffic control, drop and pick up, etc.)
- Monitor and manage Overtime
- Monitor and manage PCC charging practices
- Monitor and manage PCF
- Reviewing timecards for mis-charging, etc.
- Review minor work tracking log to see how much time is being spent performing minor work
- Ensure that staff is attending scheduled training. Avoid being charged for missed training.

---

18 Review & Approve Concur Expense Reports

- Refer to PG&E's Code of Conduct for Employees
- Refer to PG&E's Expense Policy Guidelines

---

19 Attend Conference Calls

- Safety Calls (Required)
- PS&R Calls (Required)
- M&C/Division Specific Calls (As Needed - ORT, Storm, etc.)

---

20 Manage CPUC/Other Regulator Data Requests

- Respond in a timely manner to meet requested date from CPUC or other regulator

21 Manage Division CPUC Audits

- Ensure pre-audit activities are completed in a timely manner
- Participate during audit
- Respond to follow-up data requests or questions in a timely manner
- Provide responses to CPUC findings
- Ensure all action items are completed

---

22 Manage Division Training

- Ensure that Supervisor, Specialist, Inspectors attend required training

---

23 Onboarding New Hires

- Onboard New Hires such as Successful Bidder, Hiring Hall (HH) or Contractors. This includes acquiring:
  - Verification of valid driver's license
  - LAN ID
  - Access Card
  - Fuel Pin
  - PPE
  - Vehicle
  - Tools & supplies
- Ensure employee attends New Inspector Training
- Provide additional guidance as needed (ride along, 1:1 time, etc.)

---

24 Personnel Management

- Manage Vacancies
- Oversee office personnel
- Complete Appraisals and Development Plans for Management Employees
- Manage Vacation & Sick Time
- Provide Recognition
- Provide and support positive discipline
- Ensure Fitness for Duty
- Incident & Near Hit Reporting

---

25 On-Call/OEC Support

- Support on-call/OEC as needed

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Overview

This chapter describes the primary roles and responsibilities of the PS&R Specialist.



Target Audience

PS&R Personnel



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1 Manage in progress Steady State EC and ER Notifications

NOTE: Bird retrofit notifications are ER notification-type

- Attend the scheduling meeting
- Generate non-design orders
    - Not responsible for adding material components to non-design orders
- Monitor Dates
- Follow up with M&C
- Follow up with Estimating Department
- Follow up with Dependency Management Desk (DPD)
    - Environmental
    - Land Department
    - Permits
    - Joint pole
    - Law department
    - Customer issues
    - Government-relations

NOTE

Specialist IS NOT responsible for acquiring the permit.

Specialist IS responsible for following up with the responsible department.

- Update EC Notification with tracking comments
- Specialist or Supervisor is responsible for gatekeeping idle facilities and bird-related S9 Notifications
- Post pending Tag report for division
    - Post report to SharePoint weekly

    NOTE: Specialist needs to verify that clerical staff is referring to this report for duplicates

2 Manage completed Steady State Tags

- Running reports
- Refer to the weekly “routine” Steady State report as needed
- Follow up with scheduler or coordinator
- Follow up with M&C, GC, and contractors as needed for completed paperwork
    - Completed paperwork can be sent to PS&R office by way of scan, fax, or hardcopy
- Update EC Notification with tracking comments
- The expectation is that completed EC Notifications are closed in SAP to meet cycle time requirement

  NOTE: It is understood that not all ECs are received in the PS&R office in time to meet cycle time requirement.
- Refer to EC closure Job Aid for Supervisor/Specialist requirements for reviewing and signing off on completed or cancelled ECs

---

3 Manage Patrol and Inspection Spreadsheets

- Run report of all completed BF units from SAP or BW

  NOTE: Refer to weekly At Risk Map report as needed
- Compare units in SAP against units in spreadsheet to identify discrepancies
    - Units entered in SAP but not in spreadsheet
    - Units entered in spreadsheet but not in SAP
    - Units entered in SAP do not match units entered in spreadsheet
    - Partial units in SAP do not match partial units entered in spreadsheet
- For all SAP vs. Spreadsheet discrepancies
    - Specialists can correct themselves
    - Assign discrepancy correction to clerical staff
- Complete this task by close of business every Tuesday.

- Specialist is responsible to ensure that all maps for the year are accounted for (may be received quarterly)
- Specialist is responsible to reconcile the spreadsheet to the Map Packages that are in the office
    - If map not received, follow up with RMC or Mapping
- Supervisor/Specialist is required to confirm that all maps logged as completed in the spreadsheet are physically in the file cabinet at least quarterly

---

4 Manage Mis-Charges to PS&R Orders (P&I, EC Notifications)

- Refer to weekly report for orders with charges and no units
- Make corrections to orders as needed
- Follow-up with other workgroups to remove mis-charges as needed

---

5 Manage Completed Past Due Steady State Tags

NOTE: EC Notification may show up on past due report if it is not completed in SAP on the date the report is run.

EC Notification is considered past due if it is completed in the field after the required end date of the Notification.

- Run reports
- Refer to weekly routine past due reports
- Provide explanation for all EC Notifications completed after the required end date
    - Refer to routine report provided weekly via e-mail
    - Enter past due reason per instructions

---

6 Manage Cancelled EC Notifications and Orders

- Manage cancellations at a minimum weekly

7 Provide Daily Direction to Office Staff

- Prioritize, assign, and monitor job duties

---

8 Manage CPUC Data Requests (Supervisor/Specialist)

- Manage data requests

---

9 Monitor Cannot Get In / Cannot Locate EC Notifications (Supervisor/Specialist)

- Run Reports
- Refer to GO 165 Report distributed weekly via email
- Be prepared to discuss on weekly call

---

10 Respond to Questions from Inspectors or other Personnel

- Provide feedback/guidance to employees

---

11 Provide Program-Related Updates

- Inspector Headcount
- P&I package backlog
- High Consequence EC's
- Steady State Past Due
- Missing equipment ID
- CGI/Can't Locate
- Steady State Work Plan
- Bird Retrofit
- Urban Wildfire (UWF)

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Overview

This chapter describes the primary roles and responsibilities of PS&R Clerical Employees.



Target Audience

PS&R Personnel



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Track Completed Map Packages 2

Process Map Packages 2

Final Confirmation of Map Packages 3

Daily Tasks 3

Other Tasks 4

1 Track Completed Map Packages

- Enter completion information in SAP (ZECM/GO165 Manager)
- Enter completion information in Division P&I tracking spreadsheet

---

2 Process Map Packages

- Create new EC Notifications
  - Pole Test Data Sheets (if provided)
  - IR Data Sheet (if provided)
  - Scan/attach EC Form (front and back) and Map to EC Notification in SAP
  - Attach Photos to EC Notification in SAP
- Process pending, completed, canceled, and updated EC Notifications
  - Scan/attach EC Form (front and back) and Map to EC notification in SAP
  - Attach Photos to EC notification in SAP
- Process Map Correction forms using GIS map correction tool
- Transfer Minor Work Tracking Log to Division File on SharePoint
- Process Third Party Notification Forms
  - Create NON-UTILITY Third Party Notifications in SAP
  - Forward UTILITY Third Party Notifications to Sacramento RMC
- Create Idle Facility (IF) Notifications
- Process Water Discharge Forms
- Refer incomplete paperwork, photos, or required attachments to the PS&R Supervisor or Specialist to be addressed

3 Final Confirmation of Map Packages

- Validate that all map completion information is entered in the Division tracking spreadsheet (Inspector, Date, Actual Units)
- Confirm units have been entered into SAP (ZECM/GO165 Manager)
- Perform final review of Map Package, including filling out the “GO 165 Documentation Pre-file Checklist”
    - Refer incomplete map packages to the PS&R Supervisor or Specialist to be addressed before filing
- File approved Map Package
- File completed and canceled EC Notifications

---

4 Daily Tasks

- Close completed or cancelled EC Notifications
    - Scan Notifications and maps or photos as needed
- Create new EC Notifications
- Update Notifications from Troublemen
    - Source Side Device, Circuit, Function Location, Plat Map
- Enter missing equipment number in notifications per the weekly routine report
- Create ER Notifications
- Process Bird Incident forms
- Enter timecards for Inspectors and correct time keeping as necessary
- Process purchasing orders (components, creation and goods receipts)
- File Completed and Canceled Notifications from M&C/GC/Contractors
- Support Inspectors with calls/issues/map questions

- Create job packages for estimating (scan/attach documents in SAP as needed)
- Process invoices for traffic control and contractors (tree and non-skid)
- Follow-up on Non-Utility Third Party Notifications

---

5 Other Tasks

(May not be daily or required by all clerks in all areas)

- Create P&I Map Packages
- Order tools and supplies in SRM
- Make sure that forms are current and available
- San Francisco/ East Bay: Process Network Notifications
- Pull information for CPUC requests
- Pull information for Work Verification Specialists and Supervisors
- Research gate codes for inspectors/ Find in CC&B
- Backfill for other positions
- Pick up and sort mail
- Perform other duties as assigned

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This page is reserved for future updates.

Overview

This chapter describes the Roles & Responsibilities of the Sr. M&C Compliance Specialists (a.k.a., “Centralized Gatekeeper”).

Target Audience

PS&R Personnel

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Link to Photo Requirement Job Aid CLICK HERE 12
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1 Background

In 2012, after a review of new EC Notifications Gatekept in SAP by the 19 different divisions for the previous 2 years, it was determined that centralization would improve consistency in the review and validation of new EC's. The process was centralized from 19 divisions (38 Supervisors/Specialists "Gatekeeping" S9's) to 4 new positions called Sr. M&C Compliance Specialists (aka "Centralized Gatekeeper" aka "CG")**.**

---

2 Qualifications

To be a Centralized Gatekeeper you must meet the following requirements

- Minimum of 5 years of experience in the field performing maintenance, construction and/or restoration at the journey level
- Familiarity with industry standards
- Field experience to understand construction standards vs. GO 165 requirements (safety, reliability, asset life)
- Knowledge and understanding of the EDPM Manual and supporting job aids for GO 165 patrol and inspect activities
- Ability to review pictures of field scenarios and recognize if there is a regulatory or compelling condition that needs to be addressed within Compliance Program timeframe

3 Primary Responsibilities of the Centralized Gatekeeper (CG)

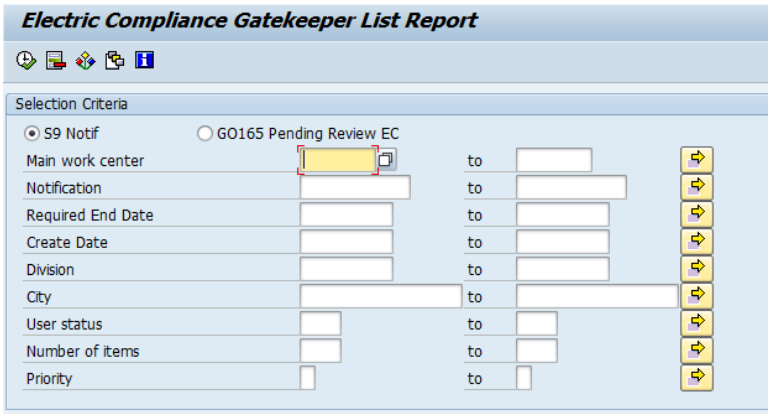
- Review new non-emergency Electric Correction (EC) Forms in SAP, including photos, maps, and other information provided by field employees (Compliance Inspectors, T-Men, Crews, others) to analyze the current field condition and evaluate the inspector's conclusions
- Refer to the EDPM Manual and Job Aids for specific guidance about when an EC is valid per the risk/probability matrix, what is compelling or considered regulatory, etc.
- Work in the “Gatekeeper” screen in SAP to perform their validation, including returns and cancelations; field information and specific logic behind each maintenance work type will determine accounting and if the EC Notification will need to be estimated; the CG cannot over-ride these controls in SAP
- Ensure EC Notifications are reviewed within 5 working days of creation/update in the field; this is tracked weekly and reported monthly as a metric
- Return incomplete records to the appropriate field employee or Supervisor in order to properly validate an S9 (missing photos, not enough information, duplicate, or work belongs to another program, etc.); returns are made in the Gatekeeper screen in SAP via an auto-generated email and are tracked via a “return reason code”
- Cancel an S9 because it does not meet the EC criteria (not compelling or regulatory) or because the work belongs to another program (emergency, COE, etc.) or if the notification is a duplicate, etc.; all cancellations are tracked via a “cancellation reason code” in SAP and an email is auto-generated back to the field employee and their Supervisor to ensure that they are notified that the S9 has been canceled
- The CG will make final determination regarding what maintenance work needs to be completed to be compliant based on the current field condition and other variables such as public exposure, geographic location, special permitting requirements, etc.; they will always apply the rules regarding maintenance priority and duration as outlined in the Electric Distribution Preventative Maintenance (EDPM) Manual and Job Aids

- The CG may perform field visits as applicable based on the EC field condition and/or any issues with the information provided from the field
- Attend PS&R/Restoration Stand-Up meetings as often as needed (at minimum, 1 per month)
- Work closely with the Public Safety & Regulatory Supervisor and Analyst; provide feedback on Inspectors, ensure timely notification of short duration ECs, etc.
- Work closely with M&C in regards to short duration EC notifications
- The CG may identify trends, reoccurring problems & issues in a Division, with a workgroup, or with an individual employee. The CG will provide timely feedback to field employees and their Supervisors to ensure clear understanding of decisions, etc.
- Provide back-up support in other divisions for vacations, sick time, or to balance workload

---

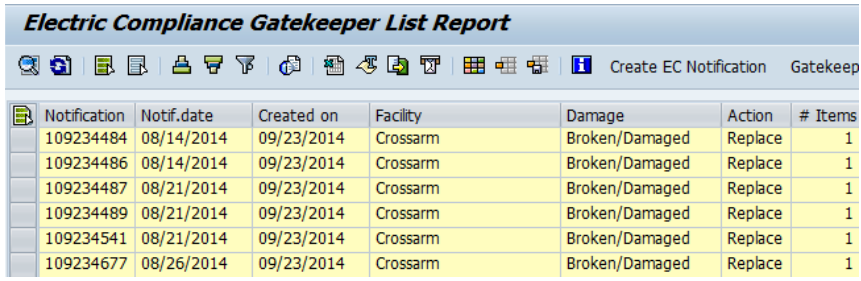
4 Working in the "Gatekeeper" Screen in SAP

- The CG will use the "ZGATEKEEPER" transaction code in SAP to review all new S9 Notifications
  - Only EE's with specific role mapping can access the Gatekeeper screen
- The CG will enter information for the divisions they are responsible for to see only their S9 Notifications



- The CG will see the list of S9 Notifications that are in queue and will drill down into each line item in order to see the details for each S9 (photos and attachments, information from field, FDA's selected, etc.)

List of S9 Notifications

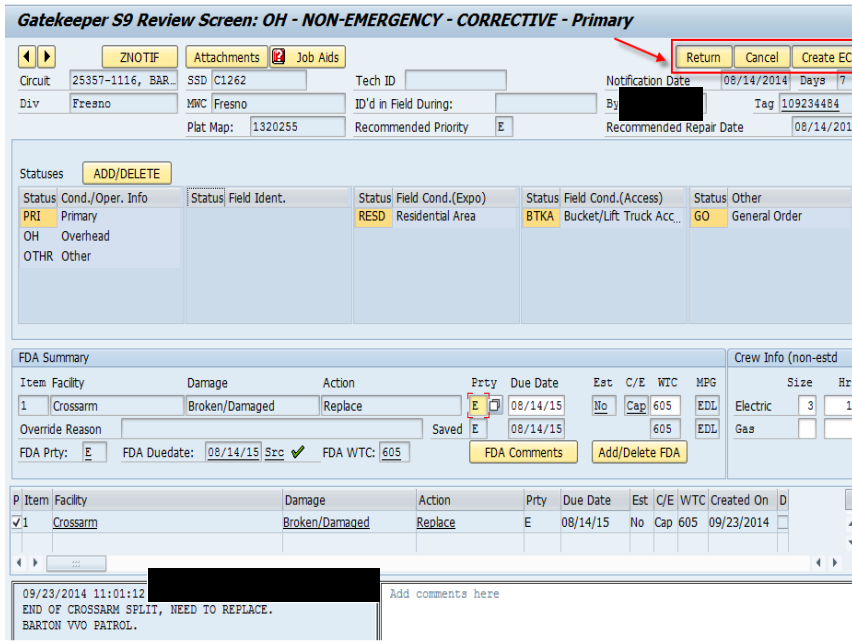


Electric Compliance Gatekeeper List Report

Create EC Notification | Gatekeep

Notification	Notif.date	Created on	Facility	Damage	Action	# Items
109234484	08/14/2014	09/23/2014	Crossarm	Broken/Damaged	Replace	1
109234486	08/14/2014	09/23/2014	Crossarm	Broken/Damaged	Replace	1
109234487	08/21/2014	09/23/2014	Crossarm	Broken/Damaged	Replace	1
109234489	08/21/2014	09/23/2014	Crossarm	Broken/Damaged	Replace	1
109234541	08/21/2014	09/23/2014	Crossarm	Broken/Damaged	Replace	1
109234677	08/26/2014	09/23/2014	Crossarm	Broken/Damaged	Replace	1

Drill down to individual S9 Notification Details:



Gatekeeper S9 Review Screen: OH - NON-EMERGENCY - CORRECTIVE - Primary

ZNOTIF | Attachments | Job Aids | Return | Cancel | Create EC

Circuit 25357-1116, BAR... SSD C1262 Tech ID Notification Date 08/14/2014 Days 7

Div Fresno MWC Fresno ID'd in Field During: By [redacted] Tag 109234484

Plat Map: 1320255 Recommended Priority E Recommended Repair Date 08/14/2015

Statuses ADD/DELETE

Status	Cond./Oper. Info	Status	Field Ident.	Status	Field Cond.(Expo)	Status	Field Cond.(Access)	Status	Other
PRI	Primary			RESD	Residential Area	BTKA	Bucket/Lift Truck Acc...	GO	General Order
OH	Overhead								
OTHR	Other								

FDA Summary

Item	Facility	Damage	Action	Prty	Due Date	Est	C/E	WTC	MPG
1	Crossarm	Broken/Damaged	Replace	E	08/14/15	No	Cap	605	EDL
Override Reason			Saved	E	08/14/15			605	EDL

FDA Prty: E FDA Duedate: 08/14/15 Src FDA WTC: 605 FDA Comments Add/Delete FDA

Crew Info (non-estd)

	Size	Hrs
Electric	3	12
Gas		

P	Item	Facility	Damage	Action	Prty	Due Date	Est	C/E	WTC	Created On	D
✓	1	Crossarm	Broken/Damaged	Replace	E	08/14/15	No	Cap	605	09/23/2014	

09/23/2014 11:01:12 [redacted] Add comments here

END OF CROSSARM SPLIT, NEED TO REPLACE.

BARTON VVO PATROL.

- There is "logic" behind every FDA in SAP to determine the default priority and duration for each type of work, accounting (capital/expense), if an Estimate is required, along with other information such as whether the work is considered "minor work", etc.
- During the review of new S9 Notifications, the CG will review the information provided by the field employee (including photos), along with the information for the FDA (Facility/Damage/Action) from the FDA "Logic Matrix" in SAP

- The Gatekeeper Screen in SAP will not allow the CG to make an erroneous entry such as assigning an expense work type code to capital work, or changing the work type code to one that does not require an estimate when the FDA requires an estimate; the FDA logic matrix and controls are designed to ensure that these types of errors or mis-matches do not occur

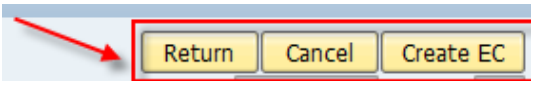
- SAP will auto-populate some “user statuses” in the notification based on the information that is provided on the EC Form, such as access and exposure, as well as from information for the FDA’s selected. All of these statuses are auto-selected based on the *combination of all of the FDA’s identified*. For example, if there are 3 FDA’s selected, and all 3 of them can be performed as minor work per the FDA logic matrix, then the ”minor work” status (MINR) will be auto-checked. Conversely, if there are 3 FDA’s selected and one of them cannot be performed as minor work, the MINR status will not be auto-selected. There are multiple controls such as this in place in the Gatekeeper screen to ensure consistency for all new EC Notifications.

  Note: The CG has the ability to “un-check” these statuses during their review based on the information and photos provided; this is not common, but it is possible – especially when the scope of the work is changing based on additional information that is added to the notification

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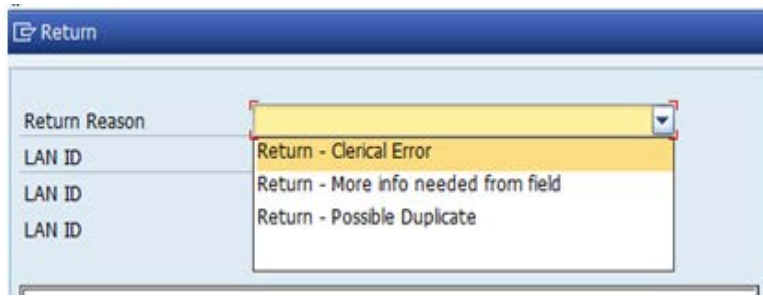
5 Validating the S9 Notification

Once review of the S9 is completed, the CG will make a decision to validate, return, or cancel the S9 by clicking on the appropriate button:

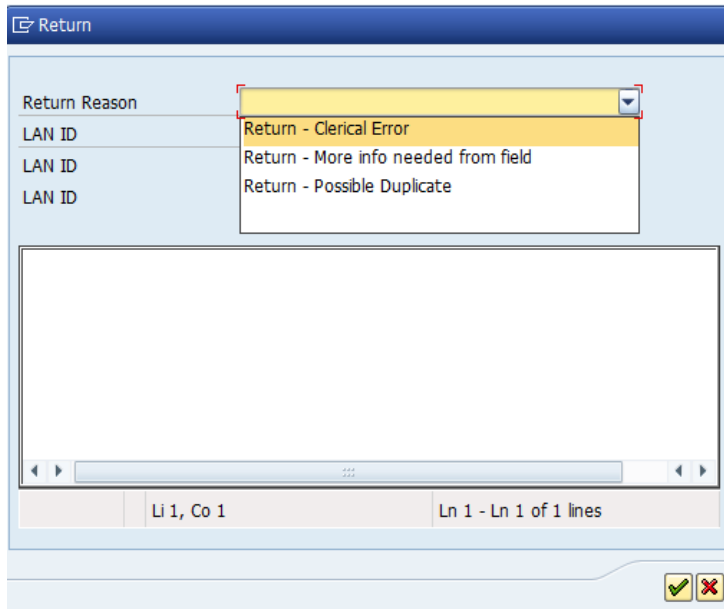


- If all requirements are met and the S9 is valid and complete, the CG will click on the “Create EC” Button; this will “convert” the S9 to an EC notification (same number in SAP)
- If there is information/requirements missing (such as photos, etc.), the CG will click on the “Return” Button and input the following:

- Select appropriate return **reason**

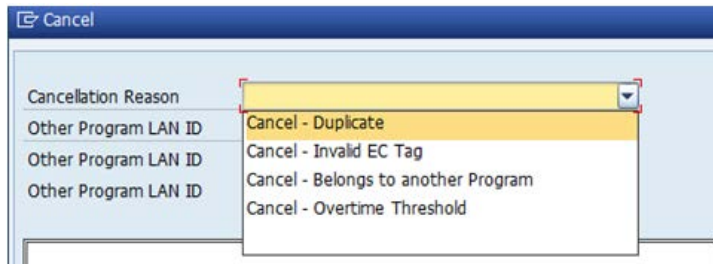


- Enter the LAN ID of the Restoration or PS&R Supervisor who is responsible to ensure the issue is addressed
- Enter additional LAN ID's as needed (PS&R Specialist, Manager, etc.)
- Enter commentary as to what is missing
- Click the green check, which will generate an email to the LAN ID's entered, and by default, the creator and identifier of the EC (who filled out the EC in the field, who created the EC in SAP)

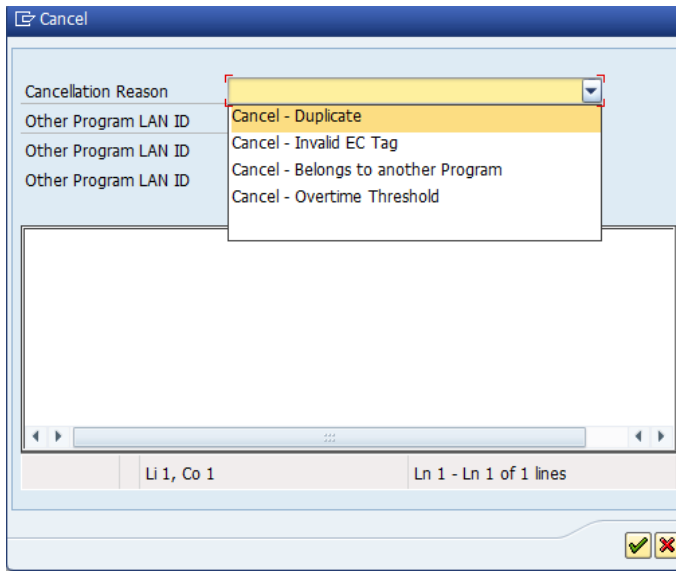


- The returned S9's will stay in queue, and are color-coded as "pink"
- Once the issue is resolved (photos are attached, etc.), the CG will validate the S9 (click on create EC or cancel the S9)

- If the S9 is not valid (not compelling or regulatory, belongs to another program, etc.,), the CG will click on the “Cancel” Button and input the following:
  - Select appropriate cancel **reason**



  - Enter the LAN ID of the Restoration or PS&R Supervisor who is responsible for overseeing returns and cancelations
  - Enter additional LAN ID’s as needed (PS&R Specialist, Manager, etc.)
  - Enter commentary as to why the S9 is being canceled
  - Click the green check, which will generate an email to the LAN ID’s entered, and by default, to the creator and identifier of the EC (who filled out the EC in the field, who created the EC in SAP)



6 Common Gatekeeper Scenarios

Gatekeeping Tags with No Issues

1. If no issues with S9 (does not have to be returned), Cycle time to validate = 5 business days *(Note: tags returned for more/missing information are excluded from CG cycle time metric)*
2. If the S9 is valid, Gatekeeper will validate and make adjustments/ corrections to FDA's, etc., per the requirements of the EDPM Manual and Inspector Job Aids, as well as the supporting photos, commentary, and recommendation from the field.
3. If the PS&R Supervisor has recommended *their own*, shorter duration or priority, Gatekeeper will validate with that priority and duration.
   Note: PS&R Supervisor must provide commentary to support the shorter duration. CG will contact the PS&R Supervisor if they need more information
4. All "known" priority B's will be Gatekept first
5. All tags to locate/inspect facilities created via GO 165 Inspection will be set to meet the 12+3 required due date for the map.

   Note: CG will send an email to PS&R Supervisor notifying them when a short cycle tag has been created
6. If S9 is not valid (not compelling or regulatory), S9 will be **CANCELED**

Note: In any scenario, the Gatekeeper may request input from their peers, the PS&R Supervisor, or the PS&R Managers to gain concurrence around the validity, priority, or duration of a tag

7 Return & Cancelation Process – S9's generated by PS&R & M&C

If the S9 has missing or incomplete information, it will be cancelled or returned to the PS&R Supervisor

1. If photos or missing information is not provided by Day 5, Gatekeeper will **RETURN** to the PS&R Supervisor
   a. PS&R needs to provide the missing photos, information, etc.
   b. PS&R will send an email to the CG letting them know the missing info has been attached or added
   c. Gatekeeper will **VALIDATE** S9 with applicable comments

2. If S9 created in error and should have been emergency (per oil spill per matrix, reference to temp repair/OIS, etc.), Gatekeeper will **RETURN** to PS&R Supervisor
   a. PS&R needs to confirm that an emergency tag has been created (or forwarded to M&C to create)
   b. PS&R will send an email to the CG letting them know the emergency tag has been created
   c. Gatekeeper will **CANCEL** S9 with applicable comments

3. If S9 created in error and belongs to another program (Bird Retrofit/ER Notif, Idle Facility, COE, etc.), Gatekeeper will **RETURN** to PS&R Supervisor
   a. PS&R needs to forward information to the appropriate Program Manager or create the appropriate notification type
   b. PS&R will send an email to the CG letting them know the issue has been addressed
   c. Gatekeeper will **CANCEL** S9 with applicable comments

4. If S9 is for a streetlight burnout or day burner
   a. CG will call T-Man Dispatch
   b. CG will **CANCEL** S9

8 Return & Cancelation Process – S9's generated by Restoration

1. If photos or missing information are not provided by Day 5, Gatekeeper will **RETURN** to the Restoration Supervisor

2. If S9 created in error and should have been emergency (per oil spill per matrix, reference to temp repair/OIS, etc.), Gatekeeper will **RETURN** to Restoration Supervisor
   a. Restoration needs to confirm that an emergency tag has been created (or forwarded to M&C to create)
   b. Restoration Supervisor will send an email to the CG letting them know the emergency tag has been created
   c. Gatekeeper will **CANCEL** S9 with applicable commentary

3. If S9 created in error and belongs to another program (COE, etc.), Gatekeeper will **RETURN** to Restoration Supervisor
   a. Restoration needs to forward information to the appropriate Program Manager or DO
   b. Restoration will send an email to the CG letting them know the issue has been resolved
   c. Gatekeeper will **CANCEL** S9 with applicable commentary

4. If S9 is for a streetlight burnout or day burner
   a. CG will call Restoration Dispatch
   b. CG will **CANCEL** S9

9 Common Issues with S9's that will result in a RETURN

- No Photos attached per requirements (refer to photo job aid for requirements)
- Photos attached are not acceptable; examples:
  - No close up of the issue in the field
  - Zoomed in too close to map
  - Too far away from map
- No comments to support a request for a short cycle tag
- No comments at all, issue is unclear from photos provided
- Photos are unclear or out of focus
- Front AND Back of EC form are not scanned/attached
- Missing or incomplete Pole Test Data sheet for pole replacements tags
- Tag should have been created as an emergency
- Tag should have been created as an IF for idle facility investigation
- Tag should have been created as an ER for bird retrofit
- Tag is for an oil issue, cannot confirm if Environmental was contacted, etc.
- Tag looks to be a duplicate
- Tag not linked to pole record (if not available, clerk should enter comment in the notification: No pole ID found in DART/GIS)

---

10 Link to Photo Requirement Job Aid CLICK HERE

- Refer to the SharePoint site to access the current photo requirement job aid for Inspectors

11 Examples of “Bad” Photos of Maps

Example 1:

- The Inspector should take the photo with a construction crew in mind: What kind of map would they have wanted to see – when working on a crew – in order to make it out to the field and be able to confirm they are at the right location? That’s the photo they need to take.
- This photo does not include any spatial reference (streets, equipment, etc.) and is not an acceptable map for us to provide to the field.



Example 2:

- Example of a picture of the map taken to accompany an EC notification: Clearly, M&C would not be able to easily see which pole the tag was written for, can’t see much of the text on the map or the location # that corresponds to the EC Form and log.
- This is not an acceptable map for us to provide to the field.



12 Example of a “Good” Photo of a Map

Example of a good photo of a map; the crew can clearly see the location of the EC, as well as additional information of the area around that location.



This page is reserved for future updates.

This page is reserved for future updates.



Overview

This chapter describes the training requirements for Compliance Inspectors.



Target Audience

PS&R Compliance Inspectors



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ELEC-1000 New Electric Compliance Inspector Training 2

Compliance Inspector Refresher 2

GO 165 Related Testing Process 3

1 Training Offerings Overview

The following training modules and courses are offered:

- New Compliance Inspector Training – Provided as needed
- Compliance Inspector Refresher Training – Provided Annually

  Note: In some cases, refresher training may be deferred by PS&R Leadership due to updates to the EDPM Manual, etc.

---

2 ELEC-1000 New Electric Compliance Inspector Training

This module is provided for employees new to the Compliance Inspector position. The course provides both the procedures and the standards for patrols and inspections.

Upon successful completion of this course and the test, the employee is qualified to perform patrols and inspections.

Course Code:

- ELEC-1000 New Electric Compliance Inspector

---

3 Compliance Inspector Refresher

This module is provided annually for current Compliance Inspectors and provides an overview of existing training and specific information about any changes to the Patrol and Inspection process and other content from audit findings, work verification results, company initiatives, etc., selected by PS&R leadership as needed.

Note: In some cases, refresher training may be deferred by PS&R Leadership due to updates to the EDPM Manual, etc.

Course Codes:

- Refresher Training – TECH 0041

4 GO 165 Related Testing Process

The New Inspector Training module includes a test.

The test is “open-book” and students may use any class material to complete the test.

The test is administered after completion of the training and consists of a series of multiple choice questions. The student must achieve a minimum score in order to receive credit for successful completion.

This page is reserved for future updates.

Overview

This chapter describes when and how a Compliance Inspector evaluates, uses, and records patrol and inspection results in the Map Package. Understanding the content in your Map Package is the first step in determining safe driving routes and helps ensure that Pending EC Notifications are reviewed.

This chapter also provides requirements and process steps for PS&R Supervisors and clerical staff assigned to support PS&R divisions.

Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.

Forms You Need

- Map Package

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1 Definition of a Map Package

A Map Package is the official collection of material used by a Compliance Inspector to guide, document, and record in-field assessments of Electric Distribution facilities during patrols or inspections.

A Map Package contains the following items:

1. The original Map Package consists of the following:
    - Printed copy of a Plat Map or GIS Map
    - Pre-printed copy of Daily Logs
    - Printed copies of Pending EC Notifications (if any)
    - Printed copies of Pending Idle Facility Notifications (if any)
    - Printed copies of Pending Third-Party Notifications (if any)

2. A completed Map Package consists of the following:
    - Printed copy of the Plat Map or GIS Map with Electric Distribution facilities highlighted
    - Annotated and Signed Daily Logs
    - Completed and Signed Map Stamp
    - Updated and Signed copies of Pending EC (if any)
    - Other forms written by the Compliance Inspector (if any)
    - Photo images of conditions being reported (if any)

2 Examples of Overhead Map Package

1. Contents of Original Map Package:
    - Printed copy of the Plat Map or GIS Map
    - Pre-printed Daily Logs
    - Printed copies of Pending EC Notifications (if any)
    - Printed copies of Pending Idle Facilities Notifications (if any)
    - Printed copies of Pending Third-Party Notifications (if any)

2. Contents of Completed Map Package may include:
    - Highlighted Plat Map or GIS Map
    - Completed and Signed/Dated Daily Logs
    - Completed and Signed Map Stamp
    - Updated Pending EC Notifications to include updating, changing a priority, completing, or canceling the notification
    - Newly written Minor Work Forms
    - Newly written OH EC Form with photos
    - Newly written Pole Inspection Test Report with photos
    - Newly written OH Vegetation Form with photos
    - Newly written Map Correction Form with photos
    - Newly written Third-Party Utility Form with photos
    - Newly written Third-Party Non-Utility Form with photos
    - Newly written Bird Incident Form with photos
    - Newly written Idle Facility Form with photos

3 Examples of Underground Map Package

1. Contents of Original Map Package:

    - Printed copy of the Plat Map or GIS Map
    - Pre-printed Daily Logs
    - Printed copies of Pending EC Notification (if any)
    - Printed copies of Pending Idle Facilities Notifications (if any)
    - Printed copies of Pending Third-Party Notifications (if any)

2. Contents of Completed Map Package may include:

    - Highlighted Plat Map or GIS Map
    - Completed and Signed/Dated Daily Logs
    - Completed and Signed Map Stamp
    - Updated Pending EC Notifications to include updating, changing a priority, completing, or canceling the notification
    - Newly written Minor Work Forms
    - Newly written UG EC Form with photos
    - Newly written Infrared Data Sheet Form
    - Newly written Vault Discharge Form
    - Newly written Map Correction Form with photos
    - Newly written Third-Party Utility Form with photos
    - Newly written Third-Party Non-Utility Form with photos
    - Newly written Idle Facility Form with photos

4 Examples of Forms with Notifications Types

TYPE	FORM NAME	NOTIFICATION NAME
OH	Overhead EC Form	EC Notification
OH	Pole Inspection Test Report	Attaches to EC Notification
OH	Bird Incident Form	Attaches to EC Notification Entered in Bird Incident Tracking tool
OH	Electric Vegetation Form	EC Veg Notification
UG	Underground EC Form	EC Notification
UG	Infrared Data Sheet	Attaches to EC Notification
UG	Vault Water Discharge Form	N/A (Email)
OH/UG	Map Correction Form	RW Map Corrections
OH/UG	Idle Facility Form	IF Notification
OH/UG	Third-Party Utility Form	TP Utility Notification
OH/UG	Third-Party Non-Utility Form	TP Non-Utility Notification
OH/UG	Minor Work	(1) Minor Work # of locations are added to the map's PM Order in SAP (2) Minor Work tasks are added to the map's PR Notification
OH/UG	Daily Log	N/A (Daily Log retained with Map Pkg)
OH/UG	Highlighted and Stamped Plat Map or GIS Map	N/A (Map retained with Map Pkg) (1) Map Start Date and Map Completed Date is added to the map's PR Notification (2) The inspector's Lan-ID is added to the map's PR Notification (3) Final unit count is added to the map's PM Order number. (4) The PS&R Division Spreadsheet is updated.
N/A	Timecard	Enter time worked on map in PM Order

5 Requirements for a Map Package

Each Map Package contains confidential information about PG&E's Electrical Distribution system. It may also contain information about PG&E's customers such as names, addresses, and gate codes.

1. It is a requirement for the Compliance Inspector to maintain physical custody of the Map Package while the Map Package is assigned to him/her.

2. When the Compliance Inspector is away from vehicle or out of sight, or during non-working hours leaves his/her vehicle unattended, the Map Package must be stowed and stored in a locked compartment.

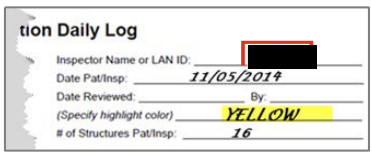
3. The storage, security, and retention of the Map Package are governed by PG&E's Employee Code of Conduct Policy and the California Public Utilities Commission (CPUC).

4. The Map Stamp is required on Plat Map or GIS Map.

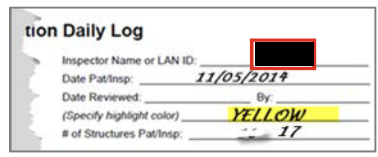
5. The Map Package should be completed prior to the map's due date.

6. Use non-erasable ink. If an error is made, white out is not acceptable. Instead, draw a line through the original information, write your initials and the date, and then write the correct information. Do not black it out completely.

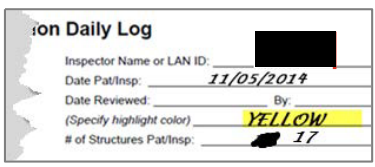
Example 1: Original



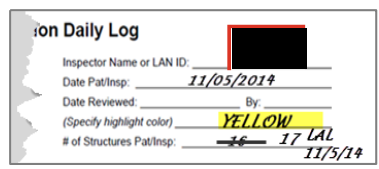
Example 2: Not Acceptable White Out



Example 3: Not Acceptable Blacked Out



Example 4: Acceptable Line Through



6 Map Package Process: Overview

1. **Annually**

   A Map Package is created for each map that needs to be patrolled or inspected in a calendar year. A calendar year is January to December of the same year.

   The quantity of maps varies slightly year by year. Generally, about 45,000 maps are patrolled or inspected each year.

2. **Assigning the Map Package**

   The division's PS&R Supervisor, or designee, assigns an individual Map Package to a Compliance Inspector.

   Only one Compliance Inspector may work an assigned Map Package at a time.

   - For exceptions, contact your PS&R Supervisor
   - Exceptions include vaults, doubling up for pick-up, etc.

3. **Reviewing the Map Package**

   The original Map Package (the printed Map, Daily Logs, and Pending EC Notifications) represent legal documentation of the facilities on the map which have been scheduled to be patrolled or inspected in the current calendar year.

4. **Working the Map**

   During patrols and inspections, Compliance Inspectors will highlight the map's facilities and overhead conductors and may write other forms (ECs, Third-Party Utility, Idle Facilities, etc.) for the Map Package.

5. **After Completing the Map Package**

   When the Compliance Inspector completes the map, the entire content of the Map Package represents legal proof that PG&E has confirmed that the specific facilities on the map were patrolled or inspected.

   Any additional forms written by the Compliance Inspector are also considered legal documentation supporting the assessment of the facility by the Compliance Inspector.

6. **Data Entry**

   All forms that become Notifications require data entry of forms into the system of record, SAP, by PG&E's clerical staff.

   Information from other forms (Minor Work Tracking, Water Discharge, etc.) is recorded per each form's requirements by PG&E's clerical staff.

7. **Gatekeeper Review**

   New EC forms are reviewed by the Centralized Gatekeepers in SAP to ensure accuracy and consistency.

   - Exception: EC Forms that are created & completed in SAP upon entry (same-day work) are not reviewed by the Centralized Gatekeeper

8. **Supervisor Review & Approval**

   The content of the Map Package is required to be reviewed by the PS&R Supervisor. Once the PS&R Supervisor approves the Map Package, the facilities may be audited internally by resources such as Work Verification Specialist or externally by sources such as the CPUC.

7 Map Package Process: Supervisor

The Supervisor is required to review and approve Map Packages.

Note: The Supervisor may assign a designee for vacation relief, etc.

1. The Supervisor shall perform the following activities:

    - Review the Map Package for completeness and accuracy
    - Return the Map Package to a Compliance Inspector for any re-work
    - Confirm that all facilities on the map are highlighted
    - Verify that each location number on the map has a corresponding entry on the Daily Log
    - Verify that each location number on the map has a corresponding entry on all forms (EC, TP, MC, etc.)
    - Confirm that the Compliance Inspector used non-erasable ink to fill out log and forms
    - Review Minor Work
    - Reassign the Map Package to a Compliance Inspector if any re-work (missing units, missing photos, etc.) prevents you from approving the Map and/or the contents of the Map Package

2. The Supervisor shall confirm that the Map and Daily Log(s) have been reviewed and approved by the following activities:

    - A wet sign-off is required
    - Do not use a signature stamp
    - On the Daily Log, use non-erasable ink to write your initials and date reviewed
    - On the Map, use non-erasable ink to write your initials and the date reviewed (best practice is to place it next to the stamp on the map)

3. EC Forms: The Supervisor or Designee's review of newly written EC Forms is limited to the following activities:

   - Verify that each location number on the map has a corresponding entry on EC Forms
   - Perform a cursory review **only** to check for the following:
     - Look for missing and required information such as no clearance required box checked, etc.
     - Look for any new "Cannot Get In" or "Cannot Locate" EC's that will need to be addressed by the CPUC map due date for the map (formal review is completed by the Centralized Gatekeeper)
   - You do **not** need to initial or sign-off on new EC Forms to confirm your cursory review
     - Exception: EC Forms that are created/completed (same-day) must be reviewed and signed-off by the PS&R Supervisor or Designee
   - You do **not** need to check for photos, attachments, etc. (Centralized Gatekeeper performs these tasks)

4. Pending EC Notifications: The Supervisor shall review newly updated Pending EC Notifications as defined in the following activities:

   - Review any updates to Pending EC Notifications in the Map Package
   - Review photos, new FDA's, and other information to verify the change/update is valid and complete
   - If completed or cancelled, ensure all applicable "complete" or "cancel" boxes are checked
   - Use non-erasable ink to write your Initials and the date reviewed on the updated pending EC Notification (best practice is to write it in the bottom right corner of page 1 of the EC Notification)

5. New EC Forms that are created & completed by the Inspector (capital minor work, etc.): The Supervisor shall review these as defined in the following activities:

    - Review for overall completeness, looking for missing information or other inaccuracies
    - Confirm the correct accounting/PM Order was entered in the EC Form
    - Confirm that the location number on the Map, Daily Log, and the Pending EC Notification match
    - Ensure all applicable “complete” or “cancel” boxes are checked (Form and individual FDA’s)
    - Use non-erasable ink to write your LAN ID and the Review Date on the EC Form (bottom right corner)

6. New Third Party, Idle Facility, Map Corrections, Minor Work Forms: The Supervisor shall review these as defined in the following activities:

    - Confirm that the location number on the Map, Daily Log, and the new Form(s) match
    - Confirm the “header” section of each form is filled out completely and accurately
    - Third Party Forms: All fields except for the PG&E Reference #, customer/utility address, and phone number need to be filled out (clerks will verify the customer/utility and fill out these fields)
    - Map Correction Form: All fields except for the “Sub”, “Circuit”, and “Dept. Ref. Number” should be filled out
    - Minor Work Tracking Log: All fields in the header section need to be filled out
    - Review for overall completeness, looking for missing information, or other inaccuracies
    - Use non-erasable ink to write your Initials and the Review Date in the bottom right corner of each form

8

Map Package Process: Clerical

Key requirements and process activities for clerical supporting PS&R divisions are listed below:

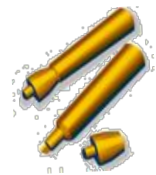
- Input new EC Forms into SAP
  - Scan/attach front and back of EC form
  - Attach photos: Check for photo quality
- Update Pending EC Notifications in SAP
- Create Third Party Non-Utility Notifications in SAP
- Create Map Corrections using ED GIS which creates RW Notifications
- Create IF Notifications in SAP
- Scan/attach copy of plat map to new EC's, IF's, Non-Utility TP's, and RW's
- Scan/attach photos to applicable notification in SAP
- Enter minor work into tracking log on SharePoint
- Ensure new EC paper forms stay in the completed Map Package
- If something doesn't look right, ask the PS&R Supervisor/Specialist
- Final step will be to fill out the pre-file checklist GO 165 Documentation Pre-File Checklist and file complete Map Package

Clerical Summary Table

What's in the Completed P&I Package?	What to Do
Highlighted Plat Map	Scan/make copies for new EC's, Map Changes, etc.
P&I Log	Enter the notification # on the log
EC Forms	Create new EC's in SAP (scan/attach front and back of EC Form and photos
Pending EC's	Update pending EC's in SAP (attach photos as applicable)
Minor Work Tracking Log	Enter minor work in clerical tracking log on the SharePoint
Third Party Notification Forms	Process notifications (create TP or Word Doc)
Map Discrepancy Log	Create RW notification
Idle Facility (IF) Forms	Create IF notifications in SAP
Photographs	Attach to applicable form in SAP; check for quality
Other Forms (water discharge, etc.)	Process as needed

9 How to Record Work on a Map

1. As you patrol or inspect facilities, use a **highlighter** to record the patrolled or inspected OH conductor and facilities.
2. Use **one** highlighter color per day.



Example

[redacted]

3. Use the **location number** to show where an abnormal condition was found during your patrol or inspection at an individual facility.

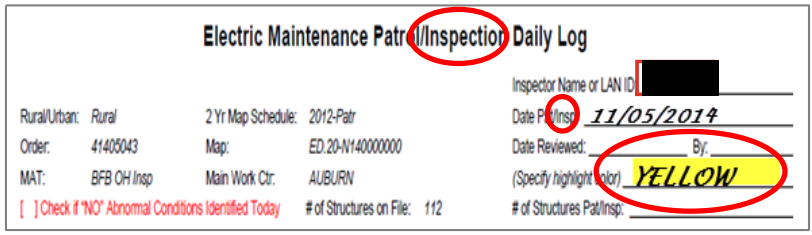
Example

[redacted]

10 How to Record Work on the Daily Log

1. For each day, use a new Daily Log
    - Circle Patrol or Inspection in the header
    - Write your Lan-ID
    - Circle Pat or Insp then Write today's date
    - Highlight the color you are using today
    - Write the name of color you are using today

Example


Electric Maintenance Patrol/Inspection Daily Log

Inspector Name or LAN ID: [redacted]

Rural/Urban: Rural | 2 Yr Map Schedule: 2012-Patr | Date Pat/Insp: 11/05/2014

Order: 41405043 | Map: ED.20-N140000000 | Date Reviewed: ____ By: ____

MAT: BFB OH Insp | Main Work Ctr: AUBURN | (Specify highlight color) YELLOW

[ ] Check if 'NO' Abnormal Conditions Identified Today | # of Structures on File: 112 | # of Structures Pat/Insp: ____

2. IF you have assessed abnormal conditions today,

   THEN (1) Write the location number on the map

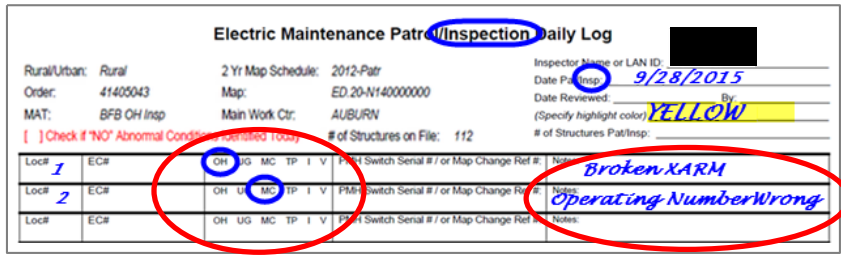
   (2) Write the location number on today's Daily Log

Note: Sequentially number the conditions on the map and Daily Log. For maps that are worked over multiple days, continue numbering conditions so that each location has a unique **location number**.

Example

3. Summarize information about the condition for each location number.

   Example: Circle Code for the form you have written



4. IF there are **no conditions** for today

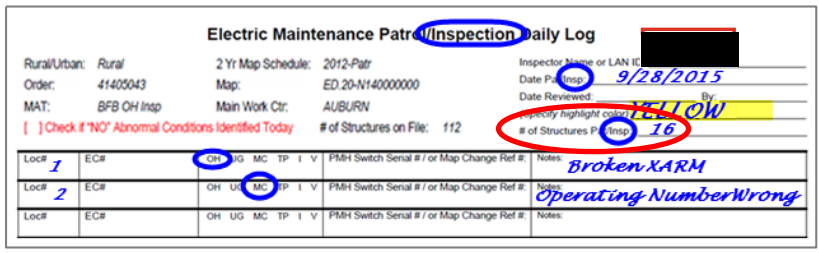
   THEN Write an ✓ or X in the box labeled “Check if ‘NO” Abnormal Conditions Identified Today”

   Example



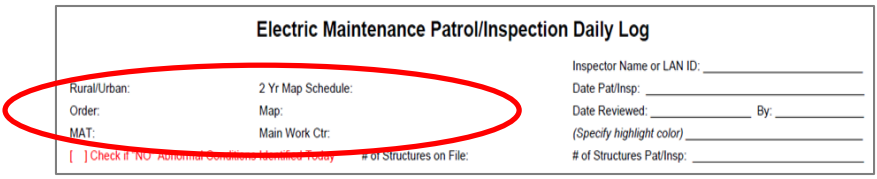
5. For each day’s Daily Log, write the number of structures that were patrolled or inspected.

   Example



6. Extra Daily Logs: In your Map Package, you are provided with pre-populated information on the Daily Log forms. If you run out of these forms, use blank Daily Log forms. Remember to complete the top section of the blank Daily Log.

Example of Blank Log



Electric Maintenance Patrol/Inspection Daily Log

Rural/Urban: 2 Yr Map Schedule: Inspector Name or LAN ID: _____

Order: Map: Date Pat/Insp: _____

MAT: Main Work Ctr: Date Reviewed: _____ By: _____

[ ] Check if "NO" Abnormal Conditions Identified Today # of Structures on File: *(Specify highlight color)* _____

# of Structures Pat/Insp: _____

11 How to Record Work on the Map Stamp

When the Compliance Inspector is assigned a map, the Map Stamp must be completed using non-erasable ink. Continue updating daily information each day you work the map.

Enter the required information:

(1) WORK TYPE: Check the box to indicate the type of map being worked. One of these boxes must be checked.

- ☐ OH INSPECT
- ☐ OH PATROL
- ☐ UG INSPECT
- ☐ UG PATROL

(2) DATE: Use format MM/DD/YY. This is the date the Compliance Inspector worked the map.

(3) # POLES/ENCL: This is the number of patrolled or inspected facilities (# POLES/Number of Poles or # ENCL/Number of Enclosures). Indicate the daily count of facilities patrolled or inspected.

(4) HOURS: Enter the total number of hours worked for each DATE listed.

(5) TOTAL:

- Sum the # of POLES or # of ENCL.
- Sum the number of hours worked columns.

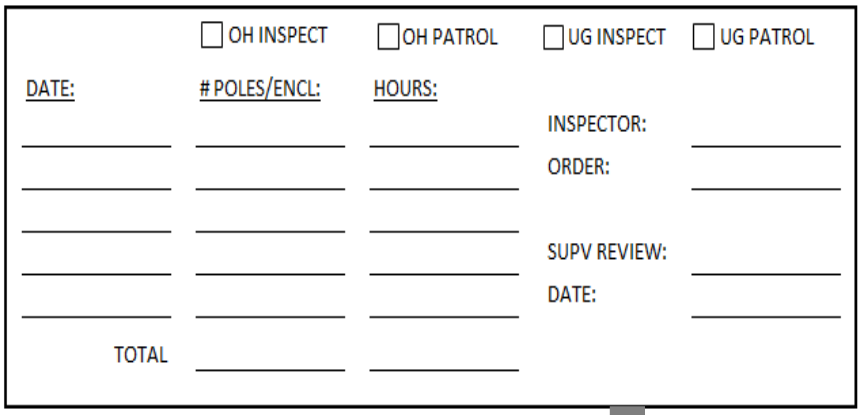
(6) INSPECTOR: Write your Lan-id.

(7) ORDER: Write the PM Order number for this map.

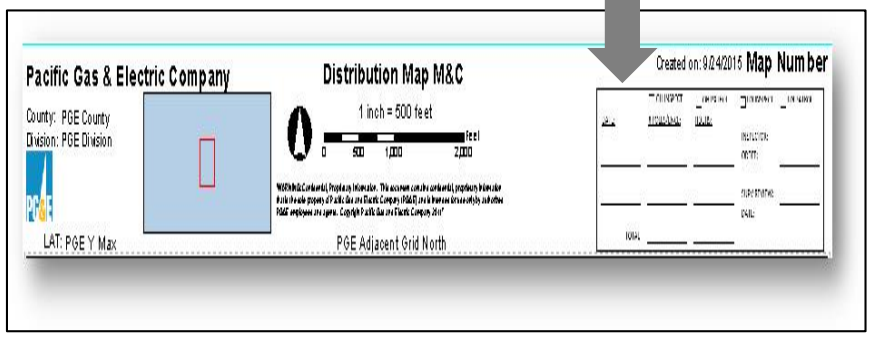
(8) SUPV REVIEW: After the Supervisor reviews the completed map, the Supervisor enters his/her Lan-ID.

(9) DATE: After the Supervisor reviews the completed map, the Supervisor writes the date of the review. Use the MM/DD/YY format.

Example: Map Stamp



Example: Map Stamp on Printed Map



12 When to Turn in the Map Package (Inspector)

IF the Map is **completed, including ECs written for CGI or CL,**
THEN turn in the Map Package to the local PS&R office daily, or on your next office visit, not to exceed five (5) business days

IF you plan to be off work for more than one (1) week
THEN (1) Check in with your PS&R Supervisor
(2) Turn in the Map Package to the PS&R office

---

13 Recommended Work Flow Steps for Inspector

1. Get your assigned Map Package from the division's PS&R Supervisor or designee.

2. Review the Map Package
   - Review the Map Package to become familiar with its contents and to determine where the map's facilities are located
   - Evaluate terrain, agriculture growing seasons, holidays, road conditions, weather, other environmental conditions that may pose safety hazards or delay working the map by its due date
   - Make every effort to improve productivity by planning routes and working similar or adjacent maps together

3. Work your Map
   - Highlight facilities and OH conductors
   - Complete the Daily Log
   - Create new EC Forms
     - Take Photos as required

- Review and reference Pending EC Notifications (if any):
  - For Patrols, Review to prevent writing a duplicate
  - For Inspections
    - Review to prevent writing a duplicate
    - Confirm no change to Pending EC Notifications
    - Change priority , recommended due date, or add new FDA as needed
    - Cancel because all work found complete on arrival (NCOA); **Two photos are required for this type of cancelation**
    - Cancel because field conditions do not meet EC Criteria (NOCR); **One photo is required for this type of cancelation**
    - Complete all FDAs as minor work
    - Refer to the EC Notification Job Aid
- Write other forms (Third-Party Utility, Idle Facilities, etc.) and add to the Map Package as conditions apply.

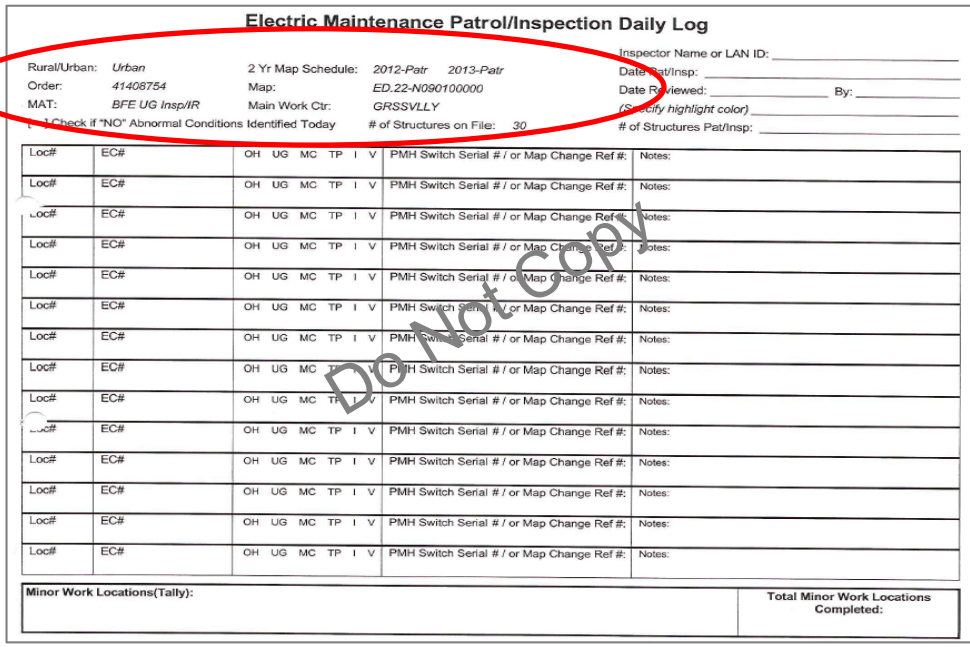
4. Complete the Map Stamp
5. Submit the completed Map Package to the division's PS&R Supervisor or designee.
6. The PS&R Supervisor performs a review
7. The clerical assigned to the PS&R division enters information into the appropriate system of record

---

14 More Information

- PS&R SharePoint Link / Daily Log: Blank Patrol/Inspect Log
- Your PS&R Supervisor

15 Patrol Log (Pre-populated) – Sample Form



Electric Maintenance Patrol/Inspection Daily Log

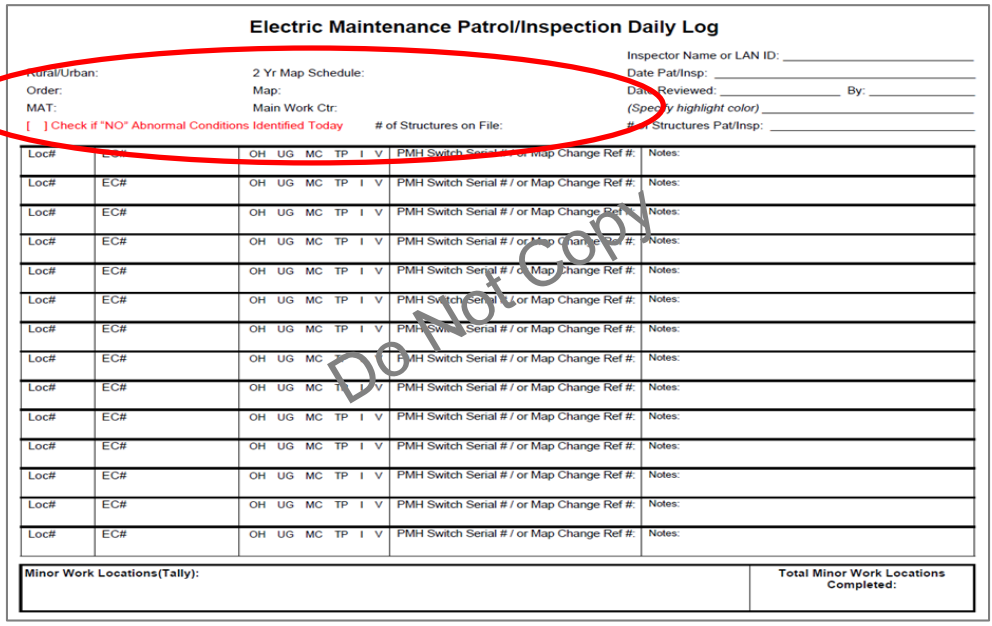
Rural/Urban: *Urban* | 2 Yr Map Schedule: *2012-Patr 2013-Patr* | Inspector Name or LAN ID: _____
Order: *41408754* | Map: *ED.22-N090100000* | Date Pat/Insp: _____
MAT: *BFE UG Insp/IR* | Main Work Ctr: *GRSSVLLY* | Date Reviewed: _____ By: _____
[ ] Check if "NO" Abnormal Conditions Identified Today | # of Structures on File: *30* | *(Specify highlight color)* _____
# of Structures Pat/Insp: _____

Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:

Minor Work Locations(Tally):	Total Minor Work Locations Completed:

Do Not Copy

16 Patrol Log (Blank) – Sample Form



Electric Maintenance Patrol/Inspection Daily Log

Rural/Urban: | 2 Yr Map Schedule: | Inspector Name or LAN ID: _____
Order: | Map: | Date Pat/Insp: _____
MAT: | Main Work Ctr: | Date Reviewed: _____ By: _____
[ ] Check if "NO" Abnormal Conditions Identified Today | # of Structures on File: | *(Specify highlight color)* _____
# of Structures Pat/Insp: _____

Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:
Loc#	EC#	OH UG MC TP I V	PMH Switch Serial # / or Map Change Ref #:	Notes:

Minor Work Locations(Tally):	Total Minor Work Locations Completed:

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Overview

This chapter describes the activities required by the Compliance Inspector in order to complete patrols and inspections.



Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.



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Drive to first location utilizing Smith 5 Keys™ 3
Job Site Awareness 4
Forms Needed to Perform Patrol and Inspection 5
Tools for Documentation..... 6
Expectations Around Safety and Working Alone..... 6
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1 Wear Personal Protective Equipment (PPE)

The PPE is designed for **your** safety.

You must wear your PPE when working in the field or performing a specific task that may require additional PPE (see Table 1 - Required PPE)

Table 1: Required PPE

PPE	TYPE	WHEN TO WEAR
Traffic vest	Class II (no-sleeve)	Traffic speed less than 50 mph
	Class III (short-sleeve)	Traffic speed at or above 50 mph Working at night Within all Cal Trans jurisdiction
Gloves	Rubber gloves with approved leather protector (Class 00–Type II)	Working on secondary Up to 300 Volts
	Class II Rubber gloves with protectors	Above 300 Volts
	Long gauntlet leather gloves	As required
Hard hat	PG&E approved	As required
Long sleeve shirt	Flame resistant (FR)	At all times
Long pants	Flame resistant (FR)	At all times
Safety Glasses	PG&E approved	As required
Proper footwear	EH approved leather and above ankle	At all times

2 Perform 360° Vehicle Walk Around

- Check bin doors and materials secured
- Check lights
- Check tires
- Check windshield wipers
- Check back pack style water can
- Check fire extinguisher
- Make sure that all items in the vehicle are properly stored and secured

---

3 Verify first location and plan safe route.

- Use GPS and map guides
- Use assigned map to aid in your route selection

---

4 Drive to first location utilizing Smith 5 Keys™

- Aim high in steering
- Get the big picture
- Keep your eyes moving
- Leave your self an out
- Make sure they see you

Follow company guidelines for using your phone or electronic devices while you are driving

5 Job Site Awareness

- Park in a safe location (Situational awareness)
- Set out cones (WAP Guide)
- Fill out Daily Tailboard Form

  Purpose of a Self-Tailboard:

  To Review planned activities and all associated risks/hazards to ensure your personal safety and the safety of others

- Update Emergency Placard (as needed)
- Warm it up
- Check all PPE
- Inspect both sets of rubber gloves
- Inspect all climbing gear
- Inspect safety at heights equipment (harness/lanyard)
- Inspect sky genie
- Inspect the boom (flying the boom)
- Wipe down the boom
- Check “Company approved” tools for serviceability

---

6 Forms Needed to Perform Patrol and Inspection

Daily Forms

- Patrol/Inspection Daily Logs (blank)
- M&C Individual Contributor Tailboard Form
- Time Card

Most Frequent Forms

- Electric Corrective Work Form OVERHEAD
- Electric Corrective Work Form UNDERGROUND
- Inspector Minor Work Tracking Log
- Map Correction Form
- Vegetation Notification
- Idle Facility Form
- Pole Inspection/Test Report
- Third Party Utility Notification
- Third Party Non-Utility Notification
- Infrared Data Sheet

Less Frequent Forms

- Bird Incident Form
- Paving tag
- Dewatering forms
- Incident Report forms

Division Specific Forms

- Access Information forms (Stockton)
- Network Corrective forms (SF & EB Divisions)
- Other division specific forms

7 Tools for Documentation

- Non-erasable ink pens
- Highlighters in multiple colors
- Camera with extra batteries
- Garmin
- Binoculars

---

8 Expectations Around Safety and Working Alone

Inspector tasks are performed **safely and in an efficient manner** following PG&E's "Rules to Live By" and "Human Performance Tools"

1. Follow PG&E's "Keys to Life Rules" and "Code of Safe Practice"
    - Follow safe driving principles
    - Wear appropriate lifesaving personal protective equipment (PPE)
    - Follow all electrical safety, testing and grounding rules
    - Follow all clearance and energy lock out rules
    - Follow all confined space rules
    - Follow all suspended loads rules
    - Follow all safety at heights rules
    - Follow excavation procedures
    - Follow hazardous environment procedures

2. Adhere to all PG&E “Human Performance Tools”

   - Self-Tailboard
   - Two-Minute Rule
   - Self-Checking (STAR) **Stop, Think, Act, Review**
   - Stop when unsure
   - Questioning attitude
   - Procedure use and adherence
   - Place keeping
   - 3-way communication / Phonetic alphabet

3. Inspector tasks are **primarily** performed as **single-person** work

   In some cases, it may be safer or more efficient to perform inspections as a 2-person unit. **All 2-person work requires Supervisor approval.** Provide Supervisor with reason, estimate of time required to work as a 2-person unit, map number, and location.

   Examples of when a 2-person unit **may be** considered include and are not limited to:

   - Remote or inaccessible areas where a drop and pick up make sense
   - Replacing long side service drop
   - Traffic control on busy thoroughfares
   - Assistance with hot stick procedure such as installing a bail
   - Handling heavy material such as lids/manhole covers etc.
   - Accessing manholes
   - High unit count maps or date driven maps (as directed by Supervisor)

9 Patrolling/Inspecting Overhead tool list

Tools

- Basic hand tools (hammer, etc.)
- Hot sticks (applicable) / Measuring stick
- Hand line
- High voltage tester
- Guy pulling tools
- Shovels
- Ergo tools
- Climbing gear
- Digging bar
- Spill kit
- Multi meter
- Pole testing equipment
- Binoculars

Materials

- Visibility strips/nails
- High voltage signs
- Ground molding
- Guy indicator
- Operating numbers
- 1 1/2“ plastic molding, ¼” lags
- Reducer boots, various sizes
- Preforms, various sizes

10 Patrolling/Inspecting Underground tool list

Tools

- Basic hand tools
- Hot sticks (applicable)
- High voltage tester
- Infrared camera and charged batteries
- Fault indicator magnets
- Shovels
- Ergo tools
- Digging bar
- Manhole hook
- Gas/Air monitor
- Powered equipment (leaf blower, trimmers, etc.)
- Penta head tools
- Caulking gun

Materials

- De-watering tools (pump and sock)
- Adhesive and metal Vis strips
- Decal kit
- Annual inspection stickers
- Operating numbers
- Corporate locks
- Miscellaneous hardware (nuts/bolts)

11 Time Keeping

- PS&R standard time card form
- Timecards must be completed daily and turned in at least once per week
- All fields on the timecard must be completed
- Lunch is 30 minutes
- Working through lunch is not allowed unless approved by Supervisor
- Explanations must be provided if productivity targets are not met (per Supervisor request)

---

12 End of Day (weekly, and as needed)

- Review and turn in Map Packages upon completion, not to exceed 5 business days
- Pick up new Map Packages
- Check e-mail and mail box
- Stock/fuel/clean truck as needed
- Vehicle housekeeping as needed
- Dispose of all hazardous waste appropriately, i.e. aerosol cans, fault indicators, etc.

In preparation for next day:

- Review Map Packages
- Identify first location for the next day
- If local practice, communicate with supervisor indicating “home safe/ first location of next day”

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Overview

This chapter describes the activities required by the Compliance Inspector in order to complete Overhead and Underground Patrols.



Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.
- Review assigned Map Package



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What is a Patrol? 2
When to Patrol 2
What is Required? 3
Compliance Inspector Tasks 5
Performing Overhead Patrols 6
Performing Underground Patrols 6
Patrol Documentation Requirements 7

1 What is a Patrol?

A Patrol is maintenance activities that include a simple, visual examination of applicable overhead and underground facilities to identify **obvious** structural problems and hazards.

---

2 When to Patrol

Patrols must be performed annually in urban areas, and every other year in rural areas, unless the area has been inspected in that year. Patrol schedules are measured in calendar years.

12+3 Due Date for Patrols & Inspections

The CPUC 12+3 month P&I requirement defines:

- The due date for each map is based on the date the map was last inspected or patrolled.
- Inspections or patrols may not exceed 3 additional months past the previous inspection or patrol date (maximum 15 months).
- Inspections or patrols may be performed before the due date.
- Inspections or patrols are performed by the end of the calendar year (12/31/XX).
- The start of an inspection or a patrol starts a new inspection or patrol interval that must be completed within the prescribed timeframe.

3 What is Required?

General

- Patrols must be performed by Compliance Inspectors, or company representatives trained and qualified to perform the duties of Compliance Inspector, who are thoroughly familiar with all of the facilities and equipment involved, and all safety rules and procedures associated with the facilities and equipment.
- An inspection may be considered as a patrol, but a patrol **may not** be considered as, or substituted for, an inspection.
- Patrols may be carried out in the course of other company business (such as special patrols from the Outage Review Team meetings) provided that all Patrol requirements are met.
- Patrols cannot be performed at night.
- All patrols must be conducted in a manner that will ensure the identification of any **obvious structural problems or hazards** without using measuring devices, tools, or diagnostic tests, and to record that the facilities have been patrolled.
- Before the map is signed off as complete, all applicable electric distribution facilities in the geographic area of the plat map are patrolled, **even if they are not mapped**.

Overhead

- Patrolled overhead facilities include primary, secondary, and service, and other associated electric distribution facilities outside the substation fence to the end of line. Towers supporting only distribution facilities are also included in the overhead patrol.
- An overhead patrol may be performed by **walking, driving, or helicopter**.
- For maps where secondary enclosures exist without primary enclosures, perform visual evaluation of exterior of enclosure in conjunction with overhead inspection or patrol. **Do not count unit in pole count.**

Underground

- Patrolled underground facilities include pad-mounted equipment, primary enclosures, and **visible** secondary enclosures outside the substation fence to the end of the line.
- An underground patrol may be performed by **walking or driving**.
- Where secondary enclosures exist without primary facilities, either OH or UG, a separate maintenance plan will be created for those maps.

NOTE

If you cannot locate/see the secondary enclosure – then no safety or reliability issue has been identified; continue with your patrol

4 Compliance Inspector Tasks

Compliance Inspectors shall:

- Have all applicable documents (patrol map, Electric Maintenance Patrol/Inspection Daily Log, and a report of all pending EC, IF, and Third-Party Notifications associated with the map)
- Document the completion of patrol by performing the following:
    - On a daily basis, highlight the patrolled facilities (using a different highlight color for each day)
    - Sign and date the log and map each day using non-erasable ink only and indicate the number of units patrolled
    - Record conditions identified in the field on the applicable form(s) and on the Patrol/Inspection Daily Log. Assign a location number per location and use this number to identify the condition on the map and corresponding log. Complete any additional documentation needed.
    - Submit completed map, log(s), and associated forms, which comprise the completed Map Package, to the local PS&R office for review and processing daily, or at the next visit to the PS&R office, not to exceed five (5) business days.
- When a Compliance Inspector encounters a migratory bird incident they will document by filling out the Bird Incident Reporting Form, F2321-3, in accordance with Utility Standard S2321, and submit it to the PS&R supervisor or designee.

  Form F2321-3

  WP2321-01

5 Performing Overhead Patrols

During an Overhead Patrol the following assets need to be patrolled.

- PG&E solely and jointly owned poles **(Highlight)**
- Transmission poles with distribution underbuild **(Highlight)**
- Distribution towers and lattices **(Highlight)**
- Distribution poles with Streetlights **(Highlight)**
- Primary metering **(Highlight)**
- Primary and Secondary conductor **(Highlight)**
- Primary and Secondary risers and services **(Do not highlight)**
- Streetlight only poles, wood or steel **(Do not highlight)**
- For maps where secondary enclosures exist without primary enclosures, perform a visual evaluation of exterior of enclosure in conjunction with the overhead patrol. **(Do not highlight)**

---

6 Performing Underground Patrols

During an Underground Patrol the following assets need to be patrolled.

- Pad-mount facilities **(Highlight)**
- Primary subsurface vaults and enclosures **(Highlight)**
- Patrol of secondary enclosure includes only a **visual evaluation** of the exterior of visible enclosures to identify obvious structural hazards or problems **(Do not highlight)**
- Where secondary enclosures exist without primary facilities, either OH or UG, a separate maintenance plan will be created for those maps

7 Patrol Documentation Requirements

A maintenance plan must be available defining when patrols are scheduled to be performed. The plan must cover the next five years for overhead patrols, and the next three years for underground patrols.

Required patrol documentation shall consist of the following records which will provide adequate, consistent, and auditable patrol records when used together:

Refer to "Map Package" in this manual.

- Patrol Map: An easy, graphic way to track progress on the patrols of all electric facilities
- Electric Maintenance Patrol/Inspection Daily Log: Provides a means to document location information and links the patrol map by the specific patrol date to the system-generated EC Notification number, thus enabling access to that specific record in the SAP database
- Report of Pending EC Notifications associated with the map. (Reference only to avoid a duplicate EC being created)

Completed, dated, and signed inspection maps and logs must be submitted to the PS&R office for review, along with any applicable forms daily, or at next visit to the PS&R office, not to exceed 5 business days.

The PS&R Supervisor or Designee is required to review all complete Map Packages for the following:

- Review map to ensure all applicable facilities are highlighted
- Review log
- Review updated pending EC notifications
- Review all paper forms
- New EC Forms are formally reviewed by the Centralized Gatekeepers in SAP

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Overview

This chapter describes the activities required by the Compliance Inspector in order to complete Overhead and Underground Inspections.

Before You Start

- Read the Safety chapter in this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.

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Performing Underground Inspection 12
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1 What is an Inspection?

An Inspection is a **careful examination** of individual components, structures and equipment through visual observation **and/or** routine diagnostic tests.

The purpose of an Inspection is to examine and record any **compelling abnormal conditions** that, in the judgment of the Compliance Inspector, will adversely impact safety or reliability.

It is also intended to record **specific regulatory conditions** and **third-party caused conditions.**

---

2 When to Inspect

Overhead Facilities

Overhead facilities must be inspected once every 5 years. The recommended schedule allows approximately one fifth of the total poles within a division to be inspected each year.

Underground Facilities

Underground facilities must be inspected once every 3 years. The recommended schedule allows approximately one third of the total number of underground primary facilities within a division to be inspected each year.

Inspection schedules are measured by calendar years.

12+3 Due Date for Patrols & Inspections

The CPUC 12+3 month P&I requirement defines:

- The due date for each map is based on the date the map was last inspected or patrolled.
- Inspections or patrols may not exceed 3 additional months past the previous inspection or patrol date (maximum 15 months).
- Inspections or patrols may be performed before the due date.
- Inspections or patrols are performed by the end of the calendar year (12/31/XX).
- The start of an inspection or a patrol starts a new inspection or patrol interval that must be completed within the prescribed timeframe.

3 What is Required?

General

- Inspections must be performed by Compliance Inspectors, or company representatives trained and qualified to perform the duties of Compliance Inspector, who are thoroughly familiar with all of the facilities and equipment involved and all safety rules and procedures associated with the facilities and equipment.

- The Compliance Inspector's primary responsibility when inspecting an overhead or underground electric facility is to **examine and record any compelling abnormal conditions** that, in the judgment of the inspector, will adversely impact safety or service reliability within 12 months, and all **regulatory conditions** as identified on the back of the EC Work Form.

- Inspected facilities include all associated electric distribution and applicable service facilities outside the substation fence (for example, substation switching yards versus external perimeter fence) to the division boundary line.

When can you complete an OH Inspection?

- An OH Inspection requires that you be **at the pole** and be able to see a 360° view of the pole

When can you complete an UG Inspection?

- When the enclosure is **no more than 50% full**
- **All connection points are uncovered** in order to perform infrared inspection
- If there is oil in the enclosure, **additional cleaning may be necessary in order to perform the inspection.** Refer to the Assessments, Notifications, and Forms chapter, Section 11, title "**Preliminary PCB Concentration Determination"** for assessing oil/spills for additional guidance on oil related issues.

NOTE

If there are signs of oil at the facility, the Compliance Inspector should use their field knowledge to assess whether or not there is additional cleaning needed. In most cases, if there are visible signs of leaking/seeping oil, an EC will be required to address the oil issue per the current oil spill matrix, even if we can perform the inspection.

When do you need to clean debris or pump water in order to perform an UG Inspection?

- If the debris is more than **50%** up the side of the equipment.
- For enclosures with no equipment: If the debris **impacts your ability** to perform the IR inspection.
- Water needs to be pumped when it **impacts your ability** to perform the IR inspection (such as a sub-surface enclosure with cables attach to bushings, must be able to unplug and remove)

NOTE

Inspectors who perform UG Inspections should be provided with pumps in order to perform their own pumping.

4 Compliance Inspector Tasks

Compliance Inspectors shall:

1. Have the Map Package (Inspection Map, Electric Maintenance Patrol/Inspection Daily Logs, and all Pending EC, IF, TP Notifications) and the Forms Catalogue

2. Perform the inspection (refer to sections Performing Overhead Inspections and Performing Underground Inspections)

3. Perform **Minor Work** (refer to the Minor Work tab in this manual) that can be done safely and in a reasonable amount of time by an individual

> **NOTE**
>
> PS&R Leadership will provide guidance as to the amount of time an Inspector should spend performing Minor Work vs. creating an EC Notification

4. Perform field validation of Pending EC Notifications (refer to Assessments, Notifications, and Form tab) to address the following:
   - Did the condition deteriorate **faster** than expected?
   - Has the work already been completed?
   - Does the condition meet the latest EC creation criteria?
   - Can the condition last beyond the next **12 months**?

5. Document the completion of inspections by performing the following:
   (1) On a daily basis, highlight the inspected facilities (using a different highlight color for each day).
   (2) Sign and date the Daily Log and map each day using **non-erasable ink** only and indicate the number of units inspected.

(3) If an error is made, white out is **not acceptable**. Instead, draw a line through the original information, write your **initials and the date**, and then write the correct information.

(4) If you identify field conditions that require further action do the following:

a. Circle and sequentially number the location on the map

b. Enter the location number, circle the form code, and write the condition on the Daily Log

c. Enter information on the appropriate form (Map Correction, EC, Third-Party, etc.)

d. Take photos (refer to Assessments, Notifications, and Forms tab)

Note: There may be more than one condition/form at a location (for example, there is a Map Correction and an EC required at the same location).

6. For UG Inspections only, install the current year's inspection sticker; example:



7. Submit completed map, log(s), and associated forms, which comprise the completed Map Package, to the local PS&R office for review and processing daily, or at the next visit to the PS&R office, not to exceed five (5) business days.

5 Identify and Document Field Scenarios

A Compliance Inspector is required to identify and document the following field scenarios that impact safety and reliability:

1. Compelling abnormal conditions and/or regulatory conditions that **can** be repaired safely and efficiently at the site: Use the **Minor Work Tracking Log** (refer to the Minor Work tab in the manual).

2. Compelling abnormal conditions and/or regulatory conditions that **cannot** be repaired safely and efficiently at the site: Use an **EC Work Form** (refer to the Assessments, Notifications, and Forms tab).

3. A map discrepancy: Use the **Map Correction Form** (refer to the Map Corrections tab).

4. A third-party infraction or interference that has or is likely to have an adverse effect on the safety or reliability of PG&E's facilities:

    - If infraction was created by a **Third Party Non-Utility**, use a Third-Party Non-Utility Form 62-3448.

    - If infraction was created by a **Third Party Utility**, use a Third-Party Form 62-3447.

5. Idle facilities: Create an **IF Form** to begin the Idle facility investigation process. If the field condition requires that it be de-energized, **also** fill out an **EC Work Form** to de-energize. Use Priority B with 0 to 3 month duration. (Refer to T&D Bulletin 2009-46.)

6. An enclosure full of water: Reference Environmental Services Procedure P-023. Document it on the **Vault Discharge Report (VDR) Form** 2015-08-01 REV 5.0.

7. Bad pole / woodpecker holes with no Pending EC Notification: At a minimum, perform a visual and sound test per Utility Standard TP-2325S. If the pole fails either the inspection or test, the inspector should perform an intrusive test and document it on a **Pole Inspection/Test Report** **and** fill out an **OH EC Work Form**. (Refer to the OH Diagnostic Testing tab.)

8. A leaking piece of equipment: Respond in accordance to Utility Procedure TD-2320P01. (Refer to the PCB Spill/Leak Category Response Matrix in the Assessments, Notifications, and Forms tab.) Use the appropriate **EC Work Form.**

9. Excessive Temperature Differential: Use the **IR Data Sheet** **and** fill out an **UG EC Work Form**. (Refer to Underground Infrared Assessments tab.)

10. Excessive overhead vegetation that does not prevent the inspection and needs to be cleared within 12 months: Use the **Vegetation Mgt Form.** (Refer to Assessments, Notifications, and Forms tab.)

11. A raptor bird incident: Complete the **Bird Incident Reporting Form**, F2321-3, in accordance with Utility Standard S2321 **and** fill out an **OH EC Work Form**.

12. Immediate safety or reliability hazard: Follow the Emergency Process (refer to the Assessments, Notifications, and Forms tab) and create an **EC Work Form Priority-A (Emergency)** for the condition. Write the location number on the **Map** and **Daily Log**, then enter the following comment: “Emergency, referred to “name-of-relief.”

13. A piece of equipment is out-of-service and/or inoperable (COE, “Critical Operation Equipment”): Notify the Restoration Dispatcher to have a Troubleman initiate the COE Notification in FAS. Write the location number on the **Map** and **Daily Log**, then enter the following comment: “COE, referred to Restoration Dispatch”. No other form is required.

14. A reportable defect is observed on the network system (SF and EB Only.) Use the **Network Corrective Form SF & EB Divisions.**

6 Performing Overhead Inspection

1. **During an Overhead Inspection the following assets need to be inspected**

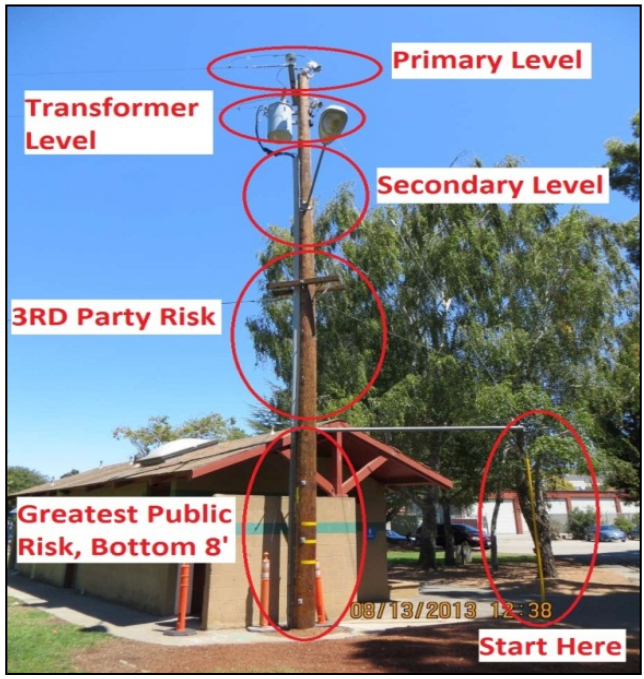
   - PG&E solely and jointly owned poles: includes all equipment and facilities on the pole **(Highlight and count)**
   - Transmission poles with distribution underbuild **(Highlight and count)**
   - Distribution towers and lattices **(Highlight and count)**
   - Distribution poles with Streetlights **(Highlight and count)**
   - Primary metering **(Highlight and count)**
   - Primary and Secondary conductor **(Highlight but do not count)**
   - Primary and Secondary risers and services **(Do not highlight and do not count)**
   - Streetlight only poles, wood or steel **(Do not highlight and do not count)**
   - For maps where secondary enclosures exist without primary enclosures, perform a visual evaluation of exterior of enclosure in conjunction with the overhead inspection or patrol. **(Do not highlight and do not count)**

NOTE

If you cannot locate/see the secondary enclosure – then no safety or reliability issue has been identified; continue with your inspection

   - Infrared inspections **are not required** to be performed in conjunction with overhead inspections and **must not** be considered as, or substituted for, an overhead inspection.

2. **Visually inspect facility from pole bottom to top; check the pole in 8 foot increments.**



Begin at ground level to see a 360° view of the pole

Bottom section - First 8 feet greatest public risk

- Check for vegetation obstructions
- Check guys, preform, and anchor head, (must be able to see anchor head)
- Check for slack guys, missing guy indicators, loose hardware
- Check visibility strips
- Check pole ground
- Check for exposed ground
    - IF within the first 8 feet, THEN complete as minor work, or Priority “B” short duration tag.
    - IF 8 feet to communication level, THEN complete as minor work, or write EC.
- Check ground molding
- Check for riser molding

Middle section

- Check for clearance issues (example, between joint utility on the pole, guy clearance, etc.)
- Check for pole damage
- Check for broken ground molding
- Check for acceptable climbing space
- Refer to “Overhead Clearance Job Aid”

Top section

- Check for corrosion
- Check oil filled equipment for leaks or damage
- Confirm that operating number in field matches map
- Check for missing or illegible high voltage signs
- Check for issues with conductor and clearances from communications/ground
- Check squatters and floaters
- Check crossarms, insulators, ties, conductors
- Check for missing or broken hardware
- Check for upper pole damage and deterioration

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7 Performing Underground Inspection

1. **The inspections of primary facilities include a visual evaluation of the exterior and interior of the enclosure and the condition of equipment. The following assets need to be inspected:**

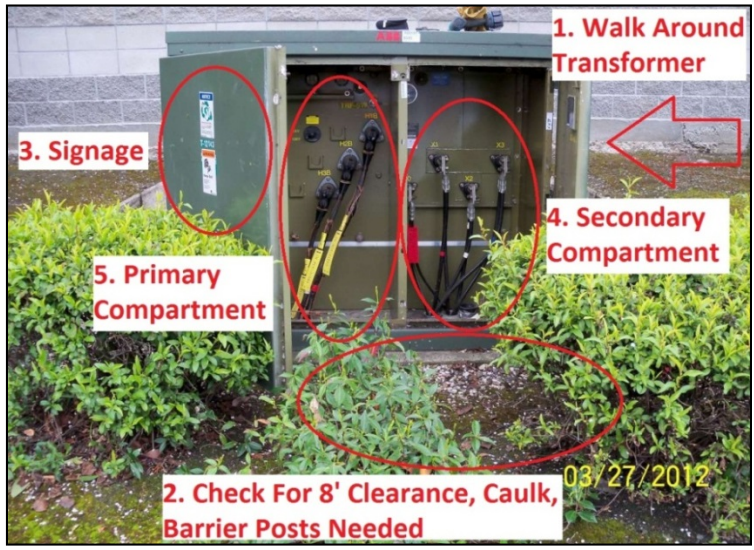
   - Pad-mount facilities are included in the underground inspection **(Highlight and count)**
   - Primary subsurface vaults, enclosures, and equipment like subsurface transformers, switches, etc. **(Highlight and count)**
   - Primary metering inspections will be performed during the underground inspection cycle. Inspection includes all visible, primary cables up to termination point. Metering department is responsible for facilities beyond termination point. **(Highlight and count)**
   - All underground equipment, conductors, splices and elbows within primary enclosures **must be** inspected **(Do not highlight and do not count)**
   - Inspection of secondary enclosure includes only a **visual evaluation** of the exterior of visible enclosures to identify obvious structural hazards or problems **(Do not highlight and do not count)**
   - Where secondary enclosures exist without primary facilities, either OH or UG, a separate maintenance plan will be created for those maps

NOTE

If you cannot locate/see the secondary enclosure – then no safety or reliability issue has been identified; continue with your inspection

During an Underground Inspection Infrared Inspections must be performed in conjunction with underground inspections (refer to Underground Infrared Assessments tab)

2. Visually Inspect the Underground Facility



(1) **Walk around transformer/equipment and enclosures**

(2) **Evaluate enclosure perimeter / exterior**

- Check for adequate clearance
- Check for caulk between transformer and pad
- Check for oil issues, inside and outside of transformer/equipment
- Check barrier posts (visibility strips, locks are secured, etc.)
- Check operating number
- Check for high voltage marking where exposed energized conductors over 750 volts
- Check for ownership and all other required markings

(3) **Open sub-surface enclosure / pad-mount equipment**

- Bolted down
- Review internal condition of enclosure
- Check for oil issues inside pad-mount
- Check all terminations with IR camera
- Check operating number
- Check for high voltage marking

(4) **Transformers and Sight Glass**

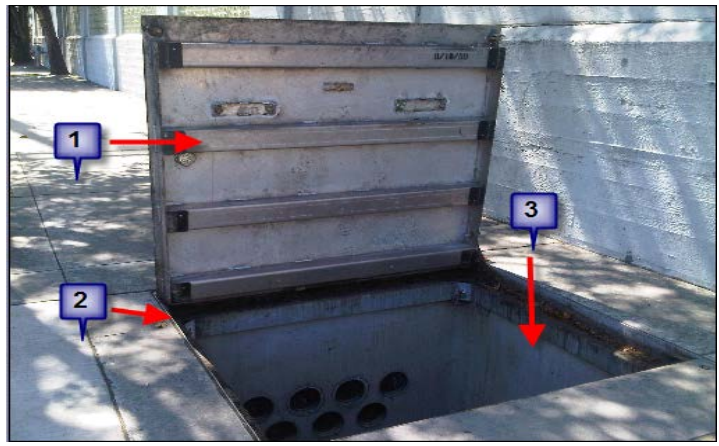
- Look for oil to see if it's visible in the sight glass
- IF no oil is visible, follow safety procedures for pulling Pressure Relief Valve. The oil level may improve
- IF after pulling the relief value, the sight glass still indicates no oil, write an **UG EC Work Form** for Low Oil conditions:
  - FDA: Transformer Pad-mount, Low-oil level, adjust/repair/replace
  - FDA: Transformer Subsurface, Low-oil level, adjust/repair/replace
- For dirty oil conditions, write an **UG EC Work Form**
  - FDA: Transformer Pad-mount, Broken/Damaged, repair
  - FDA: Transformer Subsurface, Broken/Damaged, repair
  - Describe condition in the field comments section

3. Install inspection sticker

- **All Sticker Installations**
  - Apply it safely
  - Do not apply directly to equipment
  - Clean location if necessary
  - Do not remove the previous year's sticker
  - Keep future tag locations in mind
- **Padmount Equipment**
  - Apply verification tag directly to interior of door







- **Sub-Surface Enclosures**
  - o Apply Inspection Sticker to interior of the enclosure
  - o Apply Inspection Sticker directly to metal (see picture label 1)

    OR Apply to Label Holder and Zip tie Label Holder to a location (see picture label 2)

    OR Apply RTV glue to back of Label Holder and apply to enclosure just below the surface (see picture label 3)

- **Vaults/Manholes**
  - o Apply Inspection Sticker to interior, **lower level** of the vault

    OR Apply to Label Holder and Zip tie Label Holder to a location

    OR Apply RTV glue to back of Label Holder and apply to vault wall

4. Close and secure pad-mount equipment, sub-surface enclosures and vault / manholes

8 Inspection Documentation Requirements

A maintenance plan must be available defining when inspections are scheduled to be performed. The plan must cover the next five years for overhead inspections and the next three years for underground inspections.

Required inspection documentation shall consist of the following records which will provide adequate, consistent, and auditable inspection records when used together:

Refer to "Map Package" chapter in this manual.

1. Inspection Map: An easy, graphic way to track progress on the inspections of all electric facilities

2. Electric Maintenance Patrol/Inspection Daily Log: Provides a means to document location information and links the inspection map by the specific location number to the system-generated EC Notification number, enabling access to that specific record in the SAP database

3. Pending EC, IF, and Third-Party Notifications (if any) associated with the map plus any newly written forms (if any)

   Completed, dated, and signed inspection maps and logs must be submitted to the PS&R office for review, along with any applicable forms daily, or at next visit to the PS&R office, not to exceed 5 business days.

   The PS&R Supervisor or Designee is required to review all complete Map Packages for the following:

   - Review map to ensure all applicable facilities are highlighted
   - Review log
   - Review updated pending EC notifications
   - Review all paper forms
   - New EC Wok Forms are formally reviewed by the Centralized Gatekeepers in SAP

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Overview

This chapter describes the steps necessary for Compliance Inspectors to document field situations when the Compliance Inspector does not have access to a facility or cannot find the facility.



Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.



Forms You Need

- UG EC Form
- OH EC Form



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1 Definition of Cannot Get In (CGI)

"Cannot Get In" means the inspection location is known, but access to the facility prohibits the Compliance Inspector from performing the patrol or inspection.

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2 Examples of Cannot Get In

There are numerous reasons for "Cannot Get In" conditions. The most common scenarios are listed below:

1. **OH & UG Inspections**
   - Facility is behind a locked gate
   - Facility is within a secured compound such as government or business properties that are fenced and require an appointment
   - Facility is surrounded by dense vegetation
   - Facility is flooded (flooded agriculture, winter/spring storms, etc.)
   - Facility is in fire zone (active fire or area is not safe to access)
   - Facility has an unleashed dog that poses a safety issue
   - Facility has property owners that require access negotiation
   - Vehicles or other objects are on top of the facility or prevent inspection of the facility
2. **OH Patrols**
   - One or more facilities are **behind** a locked gate, secured compound, vegetation, flooded, fire zone, or safety issue
   - The Compliance Inspector **cannot** fly, drive, or walk to view pole tops, conductor, crossarm, and guy
3. **UG Patrols**
   - One or more facilities are within a gated community, secured compound, vegetation, flooded area, fire zone, or safety issue
   - The Compliance Inspector **cannot** drive or walk to patrol the facilities

3 Definition of Cannot Locate (CNL / CL)

“Cannot Locate” means that the location of the facility is **unknown** and it prohibits the Compliance Inspector from performing the patrol or inspection.

---

4 Examples of Cannot Locate

There are only a few variations of “Cannot Locate” conditions. The **most common** scenarios are listed below:

1. **UG Inspections**
    - UG Facility is paved over
    - UG Facility is obscured by dense vegetation
    - UG Facility is mapped, but was never installed or has since been removed in the field (outdated map)

2. **UG Patrols**
    - One or more facilities are paved over or obscured by vegetation
    - The Compliance Inspector cannot drive or walk to patrol the facility
    - UG Facility is mapped, but was never installed or has since been removed in the field (outdated map)

5 Requirements for CGI or CL Conditions

While working your map, do so in accordance with safety practices.

As you highlight facilities on the map, it means you **have** either patrolled or inspected the **highlighted** facilities

There are times when you will not be able to highlight the facility because you **cannot** perform the patrol or inspection due to an access issue or you cannot physically find the facility

We refer to these field conditions as Cannot Get In (CGI) and Cannot Locate (CL).

1. Compliance Inspector must make every attempt to gain access to the facility
2. Document CGI conditions using an OH or UG EC Form.
3. Document CL conditions using an UG EC Form.

6 How to Record CGI on an EC Form

CGI Example:

IF you cannot get in to a facility to conduct an inspection,

THEN (1) Use the EC Work Form to document your findings

(2) Use the first FDA to remove access issues

(3) Use the second FDA to indicate an inspection is needed

OH Facility				
Graffiti	Paint		E	
Limited Access/ Obstruct	Inspect	X	E	
	Remove	1	E	
Idle Facilities	De-Energize		E	
	Remove		F-R	
	Transfer		F	

(4) Copy Primary FDA to front page

Facility:	Damage:	Action:
OH Facility	*Limited Access*	*Remove*

(5) Mark the Priority "B"

***PRIORITY**
- ☐ A - Emergency
- ☒ B - Urgent
- ☐ E - 12 Months
- ☐ F-REG - Next Insp

(6) Write the Recommended Repair Date by assessing when the map is due per the CPUC due date

***Recommended Repair Date** _____ /_____ /_____
MM DD YY

(7) Write Field Comments

***Field Comments** (Describe the work required and the equipment and materials needed. For example: Special tools or equipment, any unusual conditions, special circumstances, and supporting comments related to Exposure or Accessibility):

CGI - Overgrown vines and trees.
Remove veg for inspection.

Digital Picture #: *1296 - 1299*

7 How to Record CL on an EC Work Form

CL Example:

IF you cannot locate a paved-over facility to conduct an inspection,

THEN (1) Use the EC Work Form to document your findings

(2) Use the first FDA to indicate the location needs to be located

(3) Use the second FDA to indicate an inspection is needed

Enclosure				
Broken/Damaged	Repair		F-R	
	Replace		F-R	
Could Not Locate	Locate	1	E	
	Inspect	X	E	
Decayed/Rotten	Replace		F-R	
Full of Debris/Dirty	Clean		F-R	
	Inspect		E	
Limited Access	Inspect		E	
	Remove		F-R	
	Trim		F-R	
Oil In Enclosure	Clean		B	

(4) Copy Primary FDA to front page

Facility:	Damage:	Action:
Enclosure	Could Not Locate	Locate

(5) Mark the Priority "B"

***PRIORITY**
- ☐ A - Emergency
- ☒ B - Urgent
- ☐ E - 12 Months
- ☐ F-REG - Next Insp

(6) Write the Recommended Repair Date by assessing when the map is due per the CPUC due date

***Recommended Repair Date** _____ /_____ /_____
MM DD YY

(7) Write Field Comments

***Field Comments** (Describe the work required and the equipment and materials needed. For example: Special tools or equipment, any unusual conditions, special circumstances, and supporting comments related to Exposure or Accessibility):

Enclosure paved over.
Flagging traffic control required

Digital Picture #: 8966 - 8974

8 When to Turn in this Form

1. Look at the map's due date.

2. **IF** map is due less than 4 weeks from today,

   THEN Take the completed form to the local PS&R office **today**

3. **IF** map is due more than 4 weeks from today,

   THEN Take the completed form to the local PS&R office **within 5 business days**

---

9 Recommended Work Flow Steps

1. Plan your daily driving or walking route

2. CGI: Look for **alternate ways** to gain access when you cannot access the facility shown on the map
   - Try accessing the facility by traversing another street, alley, or trail, including off-road, and **refer to your Garmin or other mapping system**
   - Talk with neighbors, store owners, or property owners
   - When access to the facility is blocked by vehicles, like a parking lot, try coming back early in the morning or work with the store owners to schedule time when the vehicles won't be there
   - Call your local PS&R office. Clerical teams can look up gate codes and other mapping systems to help you. Other Compliance Inspectors, Linemen or M&C crews may know about alternate access and entrance points.

3. CL: **Get help** from others when you cannot find the facility shown on the map.
    - When access to the facility is paved over, **you will** write an EC Form
    - Talk with neighbors, store owners, or property owners
    - Call your local PS&R office. Clerical teams can look up gate codes and other mapping systems to help you. Ask other Compliance Inspectors, Linemen, Mapping, Mark & Locate, or M&C crews who may know about a buried or hard to find location.

4. Use the EC Form to document **CGI and CL** conditions
    - Use the EC Form to document CGI conditions when you cannot access the facility shown on the map
    - Use the EC Form to document CL conditions when you cannot find the facility shown on the map

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10 Timekeeping

The time spent by Compliance Inspectors attempting to locate or access facilities will be charged to the map's PM Order number.

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Overview

This chapter describes the steps necessary for Compliance Inspectors to document discrepancies between what is actually in the field and what is represented on the assigned map.

Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.

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Common Map Correction Triggers 6
GIS vs. CAD Map Symbols 8

1 Definition of Map Correction

Map Correction is the process used to communicate **significant mapping discrepancies** from the Compliance Inspector's field observation compared to the map being patrolled or inspected.

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2 When to complete Map Correction Form

Patrols

Complete a Map Correction Form when **significant facility changes** are observation such as OH to UG conversion projects or tap line additions or removals.

Inspections

Complete a Map Correction Form when you identify:

- Facilities shown in wrong location
- Facilities with wrong size or type (pole, enclosure)
- Missing or incorrectly shown vaults, manholes & pad mount equipment
- Operating number discrepancies
- Facilities added or removed
- Incorrect map symbols
- Pole and enclosure ownership discrepancies

Do not complete a Map Correction Form for the following:

- To identify size and/or number of the secondary conductor
- To identify the location of secondary insulator bobs
- Anchor location or anchor ownership discrepancies
- Primary conductor size discrepancies
- Facility mapped as the wrong size
- Mis-spelled street names or other text

3 Requirement: Map Correction

Significant mapping discrepancies are documented on the Map Correction Form.

Compliance Inspectors are required to document significant mapping discrepancies.

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4 Compliance Inspector Tasks

Compliance Inspectors shall:

IF Compliance Inspector observes **significant mapping discrepancy**,

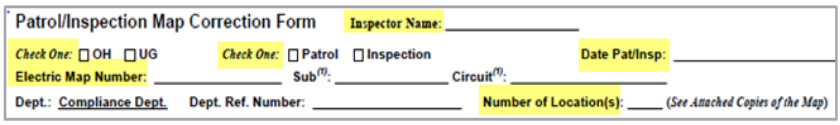
THEN:

1. Circle and sequentially number the location on the map
2. Make notations on the map to show the map correction, if needed:
    - Draw pole symbols on the map for poles that are in the field but not on the map
    - X-out pole symbols for poles that are not in the field but on the map
3. Enter the location number, circle the form code “**MC**”, and write the condition on the Daily Log
4. Complete the Map Correction Form
5. Turn in the Map Correction Form with the completed Map Package to the local PS&R office for review and processing daily, or at the next visit to the PS&R office, not to exceed five (5) business days

5 How to Record a Map Correction

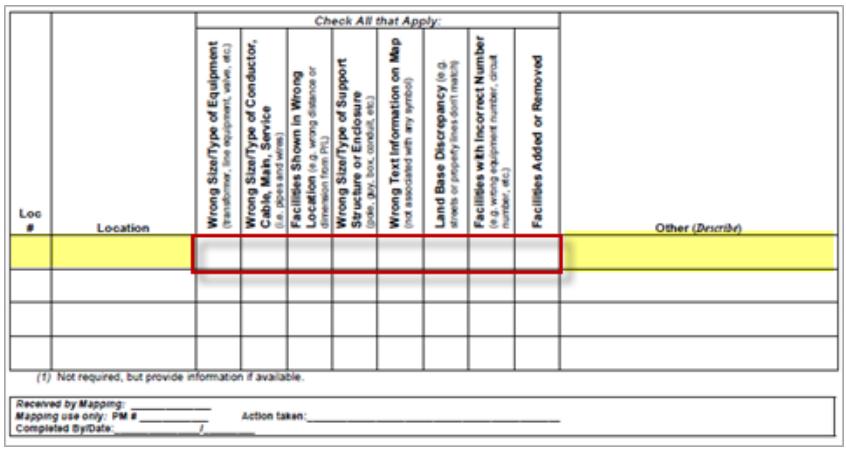
The Map Correction Form supports four map correction locations. Use as many Map Corrections Forms as needed.

Map Information Section


Patrol/Inspection Map Correction Form Inspector Name: _____
Check One: ☐ OH ☐ UG Check One: ☐ Patrol ☐ Inspection Date Pat/Insp: _____
Electric Map Number: _____ Sub(1): _____ Circuit(1): _____
Dept.: Compliance Dept. Dept. Ref. Number: _____ Number of Location(s): ____ (See Attached Copies of the Map)

1. Enter your LAN ID in the “Inspector Name” Field
2. Place a check mark to indicate if you are working on an OH or UG map
3. Place a check mark to indicate if you are performing a Patrol or an Inspection
4. Enter date
5. Enter the Electric Map Number (Plat Map)
6. ***Not Required:*** Enter the Sub (Substation) name and /or Circuit number if known
7. ***Not Required:*** Dept. Ref. Number is entered by your PS&R office once the RW Notification is created in SAP
8. Enter the total number of locations identified on your map that need map correction

Location information Section



Loc #	Location	Check All that Apply: Wrong Size/Type of Equipment (transformer, line equipment, valve, etc.)	Wrong Size/Type of Conductor, Cable, Main, Service (i.e. poles and wires)	Facilities Shown in Wrong Location (e.g. wrong distance or dimension from PI's)	Wrong Size/Type of Support Structure or Enclosure (pole, guy, box, conduit, etc.)	Wrong Text Information on Map (not associated with any symbol)	Land Base Discrepancy (e.g. streets or property lines don't match)	Facilities with Incorrect Number (e.g. wrong equipment number, circuit number, etc.)	Facilities Added or Removed	Other (*Describe*)

(1) Not required, but provide information if available.

Received by Mapping: _____
Mapping use only: PM # _____ Action taken: _____
Completed By/Date: _____ / _____

1. Place the location number from your map in the Loc# column of our Map Correction Form
2. Enter a street/service address or descriptive address in the Location column
3. Place a check mark in the proper column to indicate the type of discrepancy(s) that you are reporting
4. Enter photo number(s) and any other applicable information in the “Other” column (example: “45/5 pole”, “Pole shown on N. side of street on the map but is on the S. side of the street”, etc.)

Refer to *Uniform Symbols for Electric Estimating and Mapping* UO Standard S5451 for mapping symbols LINK TO S5451.

6 Common Map Correction Triggers

The following are some of the triggers used to initiate a Map Correction Form

Missing or extra poles for OH maps, primary enclosures for UG maps

On inspection maps where detail visual observations are performed, individual units (poles and enclosures) should be shown accurately on the map. If the location shown on the map isn't accurate and resulted in additional time looking for the facility in the field, consider issuing a Map Correction Form so this is not an issue on future inspections.

On patrol maps where we are looking to identify obvious structural problems and hazards, the actual unit count and facility location is not critical to the patrol process. Poles and enclosures might have been added or removed on existing distribution lines and map corrections are not required. Often the Inspector will not even be aware of the addition or removal of a pole or enclosure; however when significant facility changes are identified during a patrol such as OH to UG conversion projects or tap line additions or removals, map corrections are necessary.

Streetlights and Ownership

In some Divisions, PG&E-owned streetlights were sold to the local City/County and map symbols were not revised to show the new ownership of the fixture or pole. In these Divisions, the Inspectors are unable to determine ownership of the streetlight-only pole and; therefore, Map Correction Forms should not be initiated because ownership is still in question. Assume PG&E owns the facility and highlight if ownership is in question.

Line Equipment and Transformers

On inspection maps where Inspectors perform a careful examination of individual components, structures and equipment, map corrections should be initiated for missing or incorrectly shown line equipment and transformers. This would include things such as operating number changes/issues in the field or on the map. Typically, map corrections are not initiated for items such as individual transformer size discrepancies or conductor size discrepancies.

On patrol maps where we are looking to identify obvious structural problems and hazards, line equipment and transformer locations are not critical functions of the patrol process. However, when significant facility changes are identified during a patrol such as OH to UG conversions projects or tap lines additions or removals, map corrections are necessary.

Secondary and conductor sizes

The size or number of the secondary conductor shown on our maps generally does not impact our patrols and inspections. Also, the location of secondary insulator bobs typically does not impact our patrols and inspections; therefore, Map Correction Forms would not be initiated for these types of discrepancies.

Land Base Discrepancies

When land base discrepancies are identified and these discrepancies impact our ability to perform an inspection or patrol, consider issuing a Map Correction Form so they are not an issue on future inspections. Typically, the spelling of a thoroughfare is more important than if it is listed as a boulevard, lane, circle or avenue. If an area has both a Smith Lane and Smith Circle, then consider issuing a Map Correction Form when the thoroughfare name is incorrectly shown on the map. The addition of a creek or canal symbol on a map could be significant if it helps the Inspector determine where facility access is available and therefore would support a map correction.

Other Types of Facilities or Components Discrepancies

Typically, map corrections are not initiated for anchor location or anchor ownership discrepancies.

Typically, map corrections are not initiated for primary conductor size discrepancies.

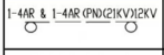
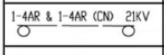
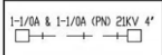
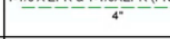
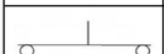
Typically, map corrections are initiated for pole and enclosure ownership discrepancies such as privately-owned service poles that are shown as PG&E-owned poles on the map.

7 GIS vs. CAD Map Symbols

AM / GIS
Asset Management / Geographic Information System

Notable Differences Between GIS & CAD Symbology

August 4, 2014

CAD Symbol	GIS Symbol	Definition
	1-4AR & 1-4AR(PN) 12.0 kV	Single Phase Primary, 1-Wire, with Primary Neutral Note: GIS labels the Line-Ground Voltage (NOT the Circuit Voltage)
	1-4AR & 1-4AR(CN) 12.0 kV	Single Phase Primary with Common Neutral Note: GIS labels the Line-Ground Voltage (NOT the Circuit Voltage)
		Single Phase Primary Underground Cable, when connected to overhead Primary Neutral circuits. (Label if in Conduit) Note: GIS labels the Line-Ground Voltage (NOT the Circuit Voltage)
		Conductor Connection Note: Connectivity is represented in GIS by the Conductor Tie feature
		Conductor Non-Connection Note: The conductor "hump" is not used in GIS to indicate non-connectivity

CAD Symbol	GIS Symbol	Definition
		CAD: Cathodic Protection = CP GIS: Cathodic Protection captured as a Delivery Point feature (Customer Type = PGE / Comments = Cathodic Protection)
N/A		Delivery Point - Customer tie-in point for an unmetered load
		Riser - Show "R" (CAD ONLY)
		CAD: Proposed Service Meter (EST Only) GIS: Proposed Service Location (Meter Panel)
N/A		Existing Service Location (Meter Panel)
		Smart Meter Data Collection Unit (CAD-Proposed Only)(GIS-Proposed/Existing)
		Proposed Smart Meter Access Point(CAD-Proposed Only)(GISProposed/Existing)
		Proposed Smart Meter Relay (CAD-Proposed Only)(GIS-Proposed/Existing)

Symbol	Definition
	Customer Agreement Number (Feature) - Used by GIS Conversion Team to capture MLX, Special Facility, Temporary Facility, and Applicant Warranty agreement numbers, when the exact facilities associated with these agreements could not be determined.
	Feature Note - Used to annotate useful information for various lines of business (Electric & Gas Distribution/Transmission and Land Base) on the maps.
	Load Check Points - Previously captured in DART - These points of load interest are specified by Engineering and connected to the Geometric Network to determine loading at a specific point along a circuit.
	Job History Note - Point Features used to capture historic order numbers.

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Overview

This chapter describes when to perform Minor Work and how to use the Minor Work Form to document maintenance and repairs made to the facility and/or its components.

Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.

Forms You Need

- Map Package
- Forms Catalogue: OH/UG Minor Work Forms, OH/UG EC Forms

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1 Definition of Minor Work

Minor Work is maintenance work and/or repair activities that can be accomplished safely and efficiently at the site of the electric distribution facility by the Compliance Inspector.

Minor Work is recorded on these forms:

1. Minor Work Tracking Log
2. Updated Pending EC Notification (a.k.a. Shop Paper)
3. New EC Work Form for Capital work

Within the mix of supporting PG&E's OH and UG Electric Distribution system, Minor Work is a highly effective process that immediately improves reliability, operational safety, and public safety. It is also the most cost-effective preventive maintenance model used by M&C.

---

2 Examples of OH Inspection Minor Work

Compliance Inspectors should make every effort to correct abnormal compelling and/or regulatory conditions within the first 8' on the pole

1. When there is **too much vegetation to be cleared safely**, use an EC Form to identify that that you cannot complete the OH Inspection until the vegetation is removed. In this case, you would use these FDAs:
   - FDA 1: Tree/Vine Overgrown Remove
   - FDA 2: OH Facility Could Not Locate Inspect
   - Priority 'B'
   - Recommended Due Date 0-3 month, not to exceed the CPUC Due Date for the Map



2. Examples of OH Minor Work are grouped **below 8 feet** for Compliance Inspectors who do not have bucket trucks and **above 8 feet** for those who do have bucket trucks.

- **Below 8 feet**
  - (1) Anchor - Adjust/Repair
  - (2) Ground - Repair/Replace
  - (3) Guy - Adjust/Repair/Trim
  - (4) Marking - Install/Replace
  - (5) Molding -Install/Repair/Replace
  - (6) Pole Step - Install/Remove
  - (7) Tree – Trim

- **Above 8 feet**
  - (1) Conductor - Adjust/Repair/Replace
  - (2) Connector - Replace
  - (3) Ground - Repair/Replace
  - (4) Guy - Adjust/Repair/Replace
  - (5) Guy - Install/Trim Veg.
  - (6) Hardware - Repair/Replace
  - (7) High Sign - Install
  - (8) Marking - Install/Replace
  - (9) Molding -Install/Repair/Replace
  - (10) Streetlight - Install/Repair/Replace
  - (11) Tie Wire - Replace
  - (12) Tree – Trim

3 Examples of UG Inspection Minor Work

1. For UG Inspections, clear vegetation to **gain access** to the facility as shown below.



2. Listed below are the types of Minor Work for UG Inspections

   (1) Elbow - Minor Repair/Capacitance Caps

   (2) Enclosure - Inspect/Trim

   (3) Enclosure - Locate/Remove

   (4) Fault Indicator - Replace

   (5) Grounds - Adjust

   (6) Hardware - Install/Repair/Replace

   (7) Lid Frame - Repair/Adjust/Clean Lid

   (8) Frame - Install/Replace

   (9) Marking - Install/Replace

   (10) Pedestal - Repair/Adjust

   (11) Security Lock - Install/Replace

   (12) Switch /J-Box - Clean/Remove

   (13) Transformer - Clean/Install/Repair/

   (14) Tree / Veg - Trim

   (15) Vault - Inspect/Locate/Repair/Pump

4 Requirements for Minor Work during Inspections

The Compliance Inspector performs Minor Work during Inspections when the following conditions **are met**:

- It is **safe** to do so
- You have appropriate tools
- The facility has no Pending EC Notification or you **can** complete all FDAs as minor work

There are three (3) scenarios when clearing excessive vegetation as Minor Work is **not appropriate**.

Scenario 1: UG Inspection

IF there is **too much** vegetation to be cleared safely,

THEN Use an EC Form to identify that you cannot complete the UG Inspection until the vegetation is removed. In this case you would use these FDAs:

- FDA 1: Tree/Vine, Growing Into, Remove
- FDA 2: UG Facility, Could Not Locate, Inspect
- Priority 'B'

  Recommended Due Date 0-3 month, **not to exceed the CPUC Due Date** for the Map

Scenario 2: OH Inspection

IF there is **too much** vegetation to be cleared safely,

THEN Use an EC Form to identify that you cannot complete the OH Inspection until the vegetation is removed. In this case you would use these FDAs:

- FDA 1: Tree/Vine, Clearance, Remove
- FDA 2: OH Facility, Limited Access, Inspect
- Priority 'B'
- Recommended Due Date 0-3 month, **not to exceed the CPUC Due Date** for the Map

Scenario 3: Ornamental Vegetation Needs Clearing

IF there is **excessive** ornamental vegetation,

THEN (1) Use a Third-Party Non-Utility Form to notify the customer of the clearance violation

(2) Use an EC Form to identify that you cannot complete the UG Inspection or OH Inspection until the vegetation is removed. In this case you would use these FDAs:

- FDA 1: Tree/Vine, Clearance, Remove
- FDA 2: OH Facility, Limited Access, Inspect
- Priority 'B'
- Recommended Due Date 0-3 month, **not to exceed the CPUC Due Date** for the Map

5 Requirements for Minor Work during Patrols

Generally, Minor Work is **not** performed during a patrol.

The Compliance Inspector performs Minor Work during Patrols when the following conditions **are** met:

1. It is **safe** to do so.
2. You have appropriate tools.
3. There **is** a safety hazard.

During Patrols, there are only two (2) scenarios when Minor Work should be performed by the Compliance Inspector.

Scenario 1: Safety Hazard / Pending EC Notification

IF a Pending EC Notification FDA is a safety hazard

THEN Use the Pending EC Notification shop paper to record the minor work completed by you

(a) Check the boxes titled ‘Completed’

(b) Date and sign the Pending EC Notification

Scenario 2: Safety Hazard / Able to make safe

IF a safety hazard can be fixed with Minor Work,

THEN Use the OH/UG Minor Work Form to record the minor work

6 Minor Work Process

1. **Preparing For Daily Work**
   - Make sure you have safety equipment, tools, and materials so you can perform **Minor Work** while performing inspections

2. **During an Inspection**
   - After you have determined that Minor Work can be done **safely**, complete all Minor Work repairs for the facility
   - For each facility, you may perform Minor Work

     Note: Be sure to confirm with your PS&R office to confirm how many hours you are authorized to perform Minor Work.

3. **Complete the correct form.** Use one of the following three (3) options:

Option 1: Use the OH or UG Minor Work Form to record Minor Work





Option 2: Update a Pending EC Notification FDA if you completed the FDA as Minor Work



Option 3: Use the OH or UG EC Form to document the Minor Work completed as Capital Minor Work

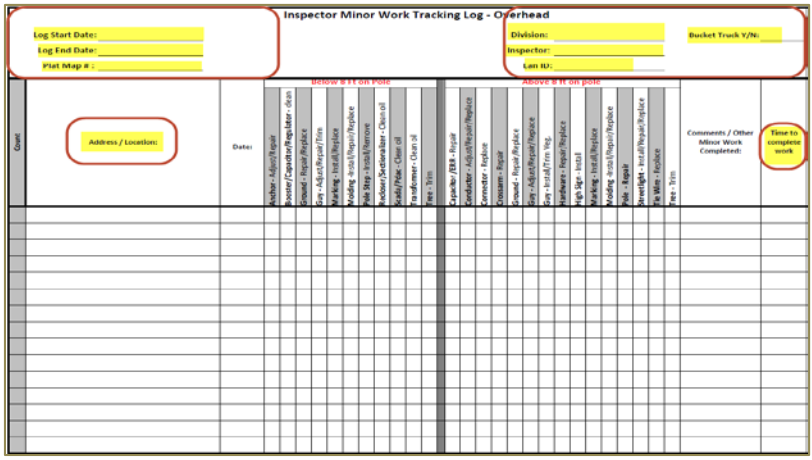




4. **After an Inspection**
   - Use your Timecard to record the time worked on this map.
   - Minor Work **should not** be documented on the **Daily Log**.
   - Minor Work **should not** have a **numbered location** on the map.

7 How to Record Minor Work

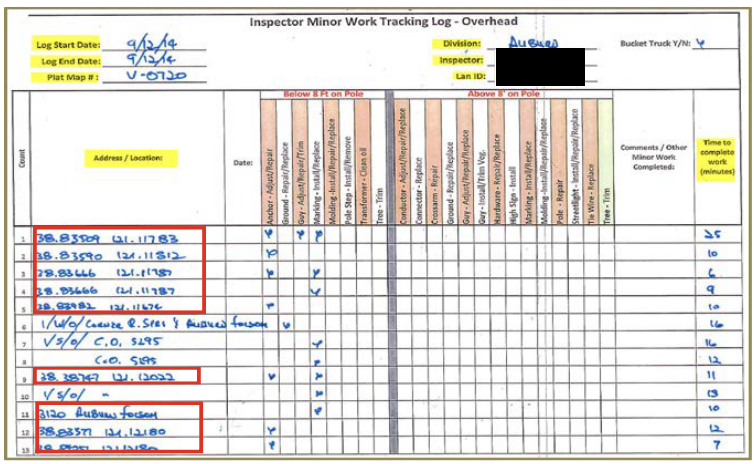
1. Overhead Minor Work Tracking Log



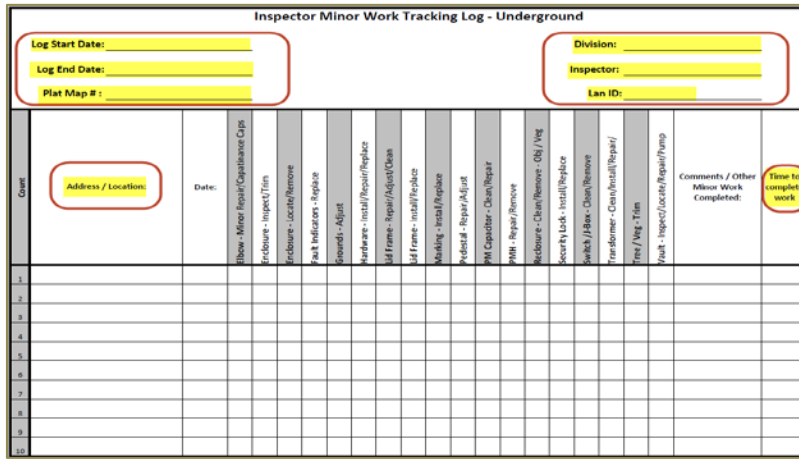
Required Fields

(1) Log Start Date
(2) Log End Date
(3) Plat Map #
(4) Division
(5) Inspector
(6) Lan ID
(7) Bucket Truck (Yes or No)
(8) Address / Location (GPS is acceptable)
(9) Time to complete work (in minutes)

Example



2. **Underground Minor Work Tracking Log**



Inspector Minor Work Tracking Log - Underground

Log Start Date: _____ Division: _____

Log End Date: _____ Inspector: _____

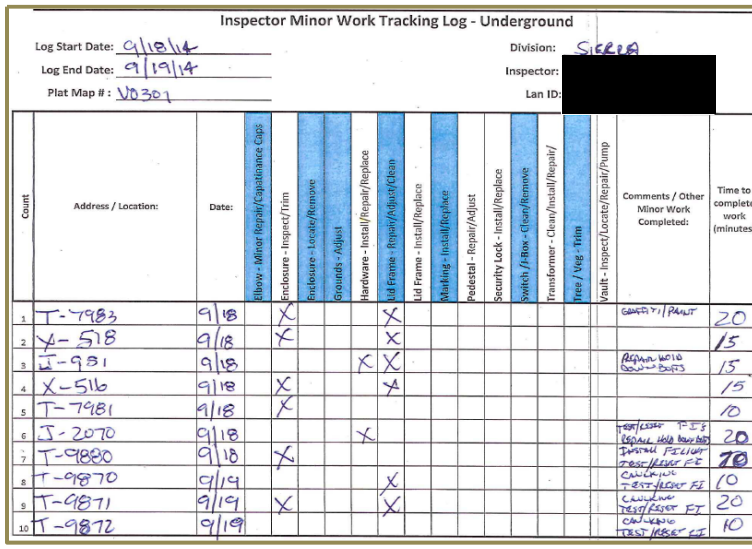
Plat Map # : _____ Lan ID: _____

Count	Address / Location:	Date:	Elbow - Minor Repair/Capalinance Cups	Enclosure - Inspect/Trim	Enclosure - Locate/Remove	Fault Indicators - Replace	Grounds - Adjust	Hardware - Install/Repair/Replace	Lid Frame - Repair/Adjust/Clean	Lid Frame - Install/Replace	Marking - Install/Replace	Pedestal - Repair/Adjust	PM Capacitor - Clean/Repair	PMH - Repair/Remove	Reclosure - Clean/Remove - Obj / Veg	Security Lock - Install/Replace	Switch / J-Box - Clean/Remove	Transformer - Clean/Install/Repair/	Tree / Veg - Trim	Vault - Inspect/Locate/Repair/Pump	Comments / Other Minor Work Completed:	Time to complete work
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Required Fields

(1) Log Start Date
(2) Log End Date
(3) Plat Map #
(4) Division
(5) Inspector
(6) Lan ID
(7) Address / Location (GPS is acceptable)
(8) Time to complete work (in minutes)

Example



Inspector Minor Work Tracking Log - Underground

Log Start Date: 9/18/14 Division: SIERRA

Log End Date: 9/19/14 Inspector: [redacted]

Plat Map # : V0307 Lan ID:

Count	Address / Location:	Date:	Elbow - Minor Repair/Capalinance Cups	Enclosure - Inspect/Trim	Enclosure - Locate/Remove	Grounds - Adjust	Hardware - Install/Repair/Replace	Lid Frame - Repair/Adjust/Clean	Lid Frame - Install/Replace	Marking - Install/Replace	Pedestal - Repair/Adjust	Security Lock - Install/Replace	Switch / J-Box - Clean/Remove	Transformer - Clean/Install/Repair/	Tree / Veg - Trim	Vault - Inspect/Locate/Repair/Pump	Comments / Other Minor Work Completed:	Time to complete work (minutes)
1	T-7983	9/18		X				X									GRAFFITI / PAINT	20
2	X-518	9/18		X				X										15
3	I-981	9/18					X	X									REPAIR HOLD DOWN BOLTS	15
4	X-516	9/18		X				X										15
5	T-7981	9/18		X														10
6	J-2070	9/18					X										TEST/CLEAN T-I'S	20
7	T-9880	9/18		X													REPAIR HOLD DOWN BOLTS INSTALL PED LIGHT TEST/CLEAN PE	20
8	T-9870	9/19						X									CAULKING TEST/CLEAN PE	10
9	T-9871	9/19		X				X									CAULKING TEST/CLEAN PE	20
10	T-9872	9/19															CAULKING TEST/CLEAN PE	10

8 When to Turn in this Form

Always turn in the Minor Work Tracking Log when you turn in the completed map package.

---

9 Recommended Work Flow Steps

1. While working your map, do so in accordance with safety practices
2. Inspect the facility
3. Determine if Minor Work is appropriate
4. Observations may include one of these **six (6) scenarios**:

Scenario 1: Minor Work Not Required **IF** there are **no** compelling abnormal conditions or regulatory conditions,

THEN (1) Highlight your map

(2) Move to next facility

Scenario 2: Minor Work Required / No Pending EC Notification

IF you **can resolve all** compelling abnormal conditions and/or regulatory conditions

THEN (1) Perform Minor Work

(2) Use the appropriate Minor Work Form to record your work

(3) Highlight your map

(4) Move to next facility

Scenario 3: Complete Pending EC Notification

IF you **can resolve all** compelling abnormal conditions and/or regulatory conditions by completing all FDAs on a Pending EC Notification as Minor Work

THEN (1) Perform maintenance repairs as Minor Work

(2) Complete FDAs on Pending EC Notification (refer to Assessments, Notifications, and Forms tab)

(3) Highlight your map

(4) Move to next facility

Scenario 4: Update Pending EC Notification

IF there are new Minor Work activities identified by you but they are **not** listed on the Pending EC Notification

THEN (1) **Do not** perform any Minor Work

(2) Add new FDAs to the Pending EC Notification (refer to Assessments, Notifications, and Forms tab)

(3) Highlight your map

(4) Move to next facility

Note 1: If the minor work is an immediate safety hazard, then perform the repair to make safe (for example, exposed ground in the first 8 feet with access to the public).

If the FDA you repaired is on the Pending EC, then complete the FDA on the EC and write "**Minor Work completed to make safe**" in the comment section.

Note 2: The crew, responding to the EC Notification, will perform the Minor Work. In this case, an FDA for the Minor Work is included in the Pending EC Notification.

Scenario 5: Write New EC Form

IF Minor Work **cannot resolve all** abnormal conditions and/or regulatory conditions that require an EC Work Form

THEN (1) **Do not** perform any Minor Work

(2) Indicate the Location on your map

(3) Mark your Daily Log

(4) Use the EC Work Form to document conditions

(5) Highlight your map

(6) Move to next facility

Note 1: If the minor work is an immediate safety hazard, then perform the repair to make safe (for example, exposed ground in the first 8 feet with access to the public). Use the appropriate Minor Work Form to document the make safe repair work.

Note 2: The crew, responding to the EC Notification, will perform the Minor Work. In this case, an FDA for the Minor Work is included in the EC Form.

Scenario 6: New EC Work Form for Capital Minor Work

IF you completed Capital Minor Work (OH Full Service Replacement or UG Set of Fault Indicators)

THEN (1) Indicate the Location on your map

(2) Mark your Daily Log

(3) Use the EC Work Form to document conditions and complete the EC Work Form

(4) Highlight your map

(5) Move to next facility

10 Timekeeping

Timekeeping is determined by the form used to record Minor Work.

FORM	PM ORDER NUMBER
Minor Work Tracking Log	Use the map's PM Order
Pending EC Notification	Use the division's standing expense order
Capital Minor Work	Use the division's standing capital order

---

11 More Information

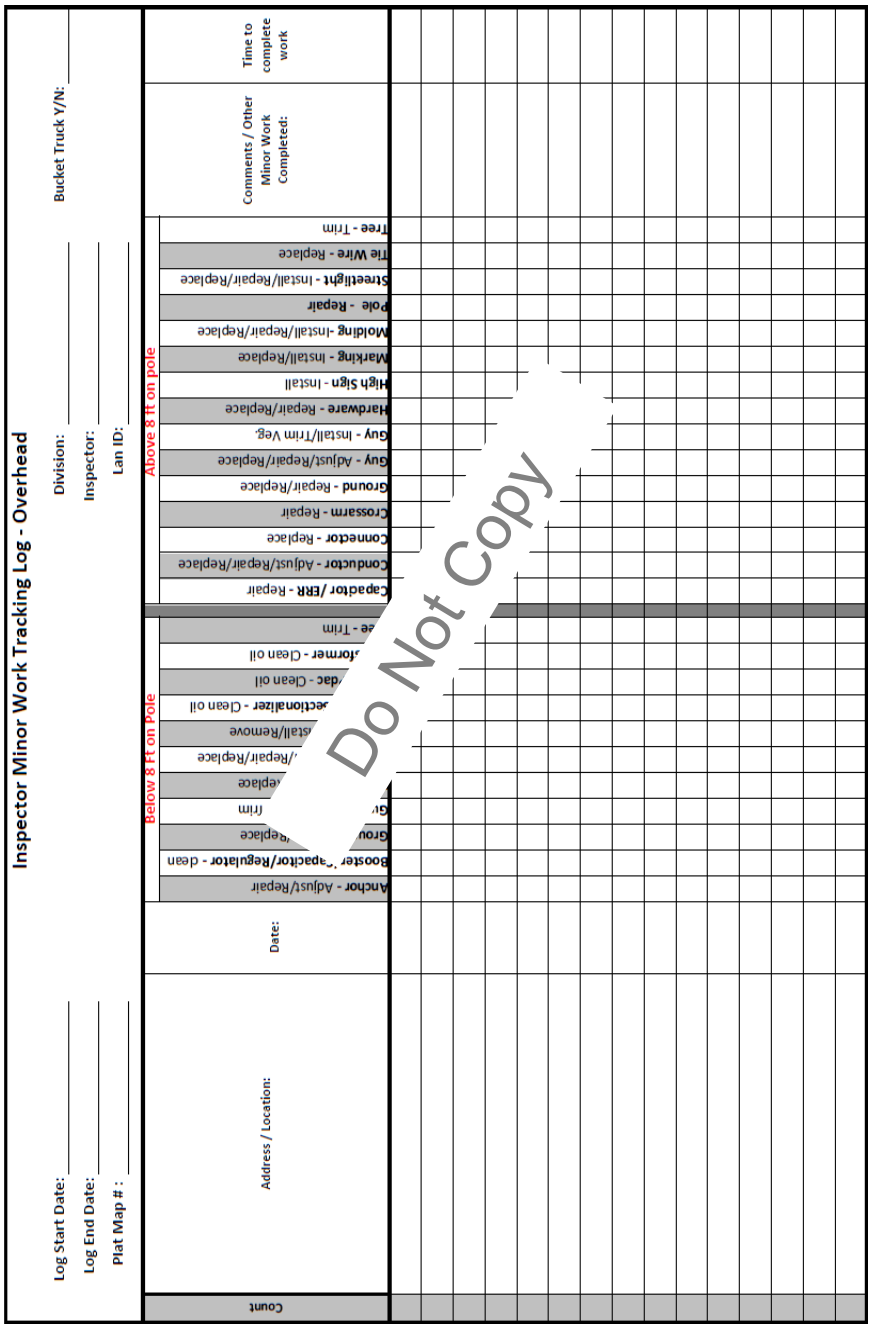
- PS&R SharePoint Link:

  OH Minor Work Log

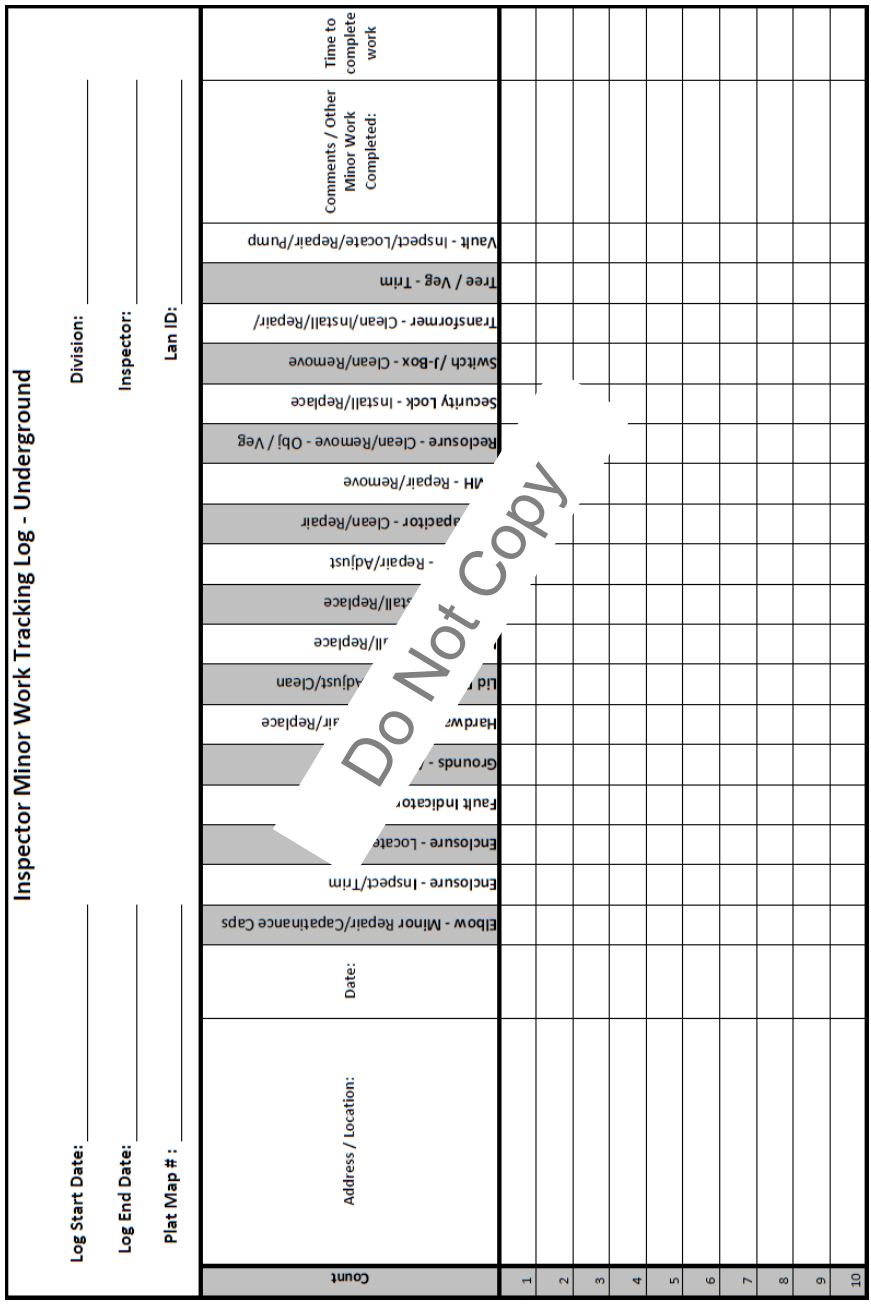
  UG Minor Work Log

- Your PS&R Supervisor

12 OH Minor Work – Sample Form



13 UG Minor Work – Sample Form



Inspector Minor Work Tracking Log - Underground

Log Start Date: _____ Division: _____

Log End Date: _____ Inspector: _____

Plat Map # : _____ Lan ID: _____

Count	Address / Location:	Date:	Elbow - Minor Repair/Capatinance Caps	Enclosure - Inspect/Trim	Enclosure - Locate	Fault Indicator	Grounds -	Hardwa	Lid		Repair/Adjust	Capacitor - Clean/Repair	VH - Repair/Remove	Reclosure - Clean/Remove - Obj / Veg	Security Lock - Install/Replace	Switch /J-Box - Clean/Remove	Transformer - Clean/Install/Repair/	Tree / Veg - Trim	Vault - Inspect/Locate/Repair/Pump	Comments / Other Minor Work Completed:	Time to complete work
1																					
2																					
3																					
4																					
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7																					
8																					
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10																					

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Overview

This chapter describes the different types of Assessments, Forms, and Notifications used by Compliance Inspectors while performing their daily work.

Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.

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1 Assessments

Assessments are activities used by Compliance Inspectors to identify **compelling abnormal conditions and/or regulatory conditions that require action**.

Definition of Assessment: An “Assessment” is one or more observations, examinations, or tests of a facility and its components in order to identify **compelling abnormal conditions and/or regulatory conditions** requiring action.

---

2 Who Identifies Conditions

Compelling abnormal conditions and/or regulatory conditions can be identified by any of the following means:

- Periodic inspections or patrols of facilities in accordance with the existing standard. (Utility Standard S2301)
- Condition-based and/or diagnostic testing and monitoring of facilities. (Utility Standard S2302)
- Observation by any employee (such as Substation, Vegetation Management, Pole Test and Treat, etc.) during normal job assignments, and other activities, such as emergency or storm activities
- Internal or external reviews
- Customer or general public reports

---

3 Assessment Process

The Compliance Inspector performs visual observations and may perform diagnostic testing to determine the condition of a facility and its components.

The Compliance Inspector documents observations and test results to recommend actions that help reduce the potential for component failure or facility damage and to ensure the safe operation of the facility and its components and the safety of the public.

All compelling abnormal conditions and/or regulatory conditions requiring action must be recorded on the appropriate corrective form (EC, Idle Facility, Vegetation, Third Party Notification, and Minor Work)

All assessments must be done in the field at the facility's location.

1. OH assessments must be performed using visual observations
2. Other OH assessments may include diagnostic testing (example: hammer sound test, bore tests, etc.) to verify No Good (NG) pole
3. UG assessments must be performed using visual observations
4. UG assessments may include diagnostic testing using an Infrared camera

Factors to Consider When Evaluating an Abnormal Condition

- The abnormality encountered
- Risks if the condition continues to deteriorate
- Probability of facility failure
- Impact of failure and/or exposure
- Impact of exposure to hazard such as potential for injury, nature of injury, or property damage
- The risk of exposure to the public, workers, or employees
- All Regulatory conditions or infractions

There are many situations where the location of the facility and other site-specific conditions may influence the evaluation of the work required.

The priority and recommended repair date associated with any notification depend on the proximity to roadways or pedestrian traffic, accessibility of the location to the public, or the impact of failure or exposure.

4 Impact / Probability Chart

The chart below illustrates the risk evaluation of each condition identified in the field.

Chart: Impact / Probability Matrix

Probability of equipment and/or facilities failure and/or exposure / Impact of equipment and/or facilities failure and/or exposure to hazard	HIGH	MODERATE	LOW
High	Priority B, 3 months	Priority B, 3 months	Priority E, 12 months
Moderate	Priority E 3-6 months	Priority E, 6-12 months	Priority E, 12 months
Low	Priority E, 3-6 months	Priority E, 12 months	No Tag
Regulatory as identified on back of EC Work Form	Due Date of next Inspection for Map (3 years for UG, 5 years for OH)		

The following definitions further define the Impact/Probability Matrix:

1. Impact of Failure and/or Exposure

- Impact of Failure – Impact to safety and/or reliability. Consider impacts to Company operations or customers and location or type of facility (i.e., main line, radial taps, primary, secondary, transformer, or services); Consider result if equipment, structure, or hardware fails
- Impact of Exposure – Potential for injury to the public or workers

2. Probability of Facility Failure and/or Exposure

- Equipment Failure – Determination of the likelihood that the structure, equipment, line, or component will fail within 12 months or, in rural areas, prior to next Patrol or Inspection; Consider history of incidents and frequency of failures
- Exposure – Exposure of the public or workers to hazards

5 Degree of Importance Chart

The chart below illustrates the Priority and Recommended Repair Date using Probability of Facility Failure and Impact of Failure and/or Exposure.

Use this chart when creating new EC Work Forms or changing Pending EC Notifications.

Chart: Degree of Importance

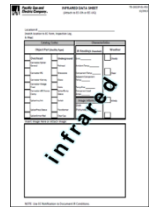
Degree of Importance	Probability of Facility Failure	Impact of Failure and/or Exposure
Priority A Emergency	• A structure has already failed • Equipment has significant damage • The condition results in significant exposure to the general public	• Failure or exposure may lead to serious injuries • Failure has caused outages to customers • Requires immediate response or stand-by
Priority B Urgent 0-3 Months	• A structure has already failed • Equipment has significant damage • The condition may result in significant exposure to the general public • The condition can be "made safe", but requires permanent repair within 3 months	• Failure or exposure may lead to serious injuries, significant outages • Failure or exposure will result in an imminent reliability concern • Failure or exposure is a safety issue with significant impact • Does NOT require immediate response or stand-by
Priority E 3-12 Months	• A structure has already failed, but damage is such that repair is not required in the next 3 months • High likelihood that structure or equipment will fail in the next 12 months • The condition does not result in significant exposure to the general public	• Failure or exposure will not lead to serious injuries • Failure will result in an outage(s) • Failure or exposure is a safety issue with impact to PG&E operations and customers
Low No EC Required	• The condition is not structural • There is a low likelihood of failure • The condition does not have a significant impact to structural integrity • The condition is not likely to fail within 12 months	• There is little potential for injury or impact on reliability • Work procedures mitigate safety concerns • Failure or exposure does not present a significant impact to PG&E operations and customers
Priority F Regulatory (As identified on the back of the EC Work Form)	• N/A • Regulatory Facility/Damage/Action (FDAs) must be identified	• N/A • Regulatory Facility/Damage/Action (FDAs) must be identified

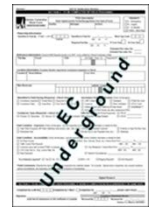
6 Forms

Forms are formatted sheets of paper that are used to record assessment test results and to document **compelling abnormal conditions and/or regulatory conditions** that require action.

Forms used for assessments: While performing an inspection use these forms to document the results of visual observations or diagnostic testing:

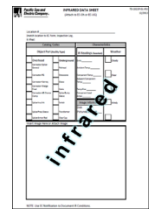
- UG Only: Use the Infrared Data Sheet to document the IR results and use EC Form to identity conditions and actions





- UG Only: Use the Vault Water Discharge Form to document the condition of the water to be discharged and use EC Form to identity conditions and actions





- OH Only: Use the Pole Inspection Test Report to document pole replacement test results and use EC Form to identity conditions and actions





- OH Only: Use the Bird Incident Form to document injured or dead birds and use EC Form to identity conditions and actions

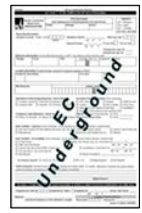




Forms used to document compelling abnormal conditions and/or regulatory conditions: While performing a patrol or inspection, use these forms to document the results of visual observations or diagnostic testing and to recommend action.

- OH Only: Overhead EC Form
- UG Only: Underground EC Form
- OH/UG: EC Notification Shop Paper
- OH Only: Electric Vegetation Form

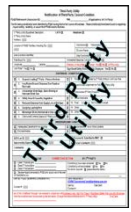


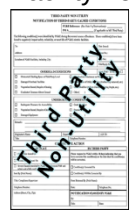






- OH/UG: Third-Party Utility Form
- OH/UG: Third-Party Non-Utility Form
- OH/UG: Idle Facility Form



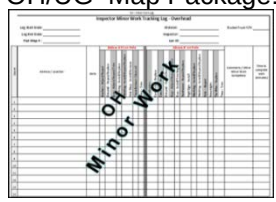


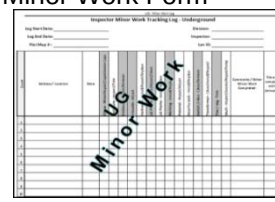


- OH/UG Map Package: Map Correction Form



- OH/UG Map Package: Minor Work Form





7 Notifications

Information documented on each specific form is transcribed into SAP where an electronic data record is stored.

Each type of form has a unique Notification type and control number.

The chart below is the list of each form with its Notification name.

TYPE	NOTIFICATION NAME	FORM NAME
OH	EC Notification	Overhead EC Form
OH	EC Notification	Pole Inspection Test Report
UG	EC Notification	Underground EC Form
UG	EC Notification	Infrared Data Sheet
OH	EC Notification (Veg)	Electric Vegetation Form
OH/UG	RW Map Corrections	Map Correction Form
OH/UG	IF Notification	Idle Facility Form
OH/UG	TP Notification	Third-Party Utility Form
OH/UG	TP Notification	Third-Party Non-Utility Form
OH/UG	PR Notification/PM Order	Minor Work

8 Filling out the EC Work Form

1. The EC Work Form is used to document Compelling Abnormal Conditions or Regulatory Conditions that impact safety or service reliability or facilities which could not be located or accessed during a patrol or inspection. Use the charts in Section 4 Chart: Impact / Probability Matrix and Section 5 Chart: Degree of Importance.
2. The QCR must document the condition identified by selecting the appropriate FDA (Facility Type, Damage and Action Required) on the back of the EC Work Form. The QCR must also select a Priority and Recommended Repair Date using his or her knowledge as a journeyman lineman, training, and the field conditions.
    - **Facility Type**: The category of the facility, such as a pole, crossarm, transformer, etc.
    - **Damage** (Condition Found): A description of the condition of the facility, such as broken, leaning, leaking, etc.
    - **Action**: Action necessary to correct the identified maintenance condition.
    - **Priority and Recommended Repair Date**: When multiple FDAs are reported on an EC Work Form, the **most critical** repair item must be reported as Item #1. The item requiring the earliest repairs determines the recommended repair date selected on the notification.
3. The Priority Codes are as follows:
    - Priority A – Safety / Emergency Immediate Response

      An emergency is defined as any activity in response to an outage to customer(s) or an unsafe condition requiring immediate response or standby to protect the public.
    - Priority B – Urgent Compliance (Due within 3 months)
    - Priority E – Compliance (Due 3-12 months)
    - Priority F – Compliance (For Regulatory Conditions, the Recommended Repair Date is the due date for the next Inspection (UG = 3 years, OH = 5 years).

4. Notification Due Dates (Recommended Repair Dates)
    - Must fit within the timeframe specified by the Priority based on the Impact/Probability matrix

5. Back of the form:
    - Place a “1” in the “New” column for the highest Priority condition found at the location
    - For all other conditions, the QCR must place an “X” in the “New” column

6. Front of the form:
    - Enter the FDA for the highest Priority (primary) condition found at the location
    - Complete the reporting information section
    - Complete the reference information section
    - Complete the location information section including the GPS latitude and longitude

9 Take Photos

For each tag written for a **non-static** condition, photos are required to document asset and field conditions. **A minimum of 2 photos are required.** Take additional photos to provide additional field information for the crew, etc., as needed.

Note: Static conditions are conditions, such as a missing high sign, that will not change. Photos are not required for static conditions.

IMPORTANT PHOTO TIPS

- Be aware of glare
- Do not aim the camera into the sun
- Check photos for clarity before leaving
- Try using the flash for overcast or low light conditions

- **Field Photo #1**: Take a photo of the field condition – to show the type of construction, surrounding area, etc. Take additional photos as needed. Example:



- **Field Photo #2**: Take a close-up photo of the most significant issue identified. Inspector may need to take additional photos from a different angle to clearly show the field condition. Example:



- Document the photo image numbers from the camera on the EC Form

10 Addressing Emergencies

If action was taken to repair, make safe, or eliminate any immediate hazard (Priority A condition), include clear documentation/comments on the EC Work Form to indicate the action taken.

NOTE

Employees must immediately report to the nearest foreman or supervisor any hazardous condition or abnormal facility that, in their judgment, may be dangerous either to the general public, Company employees, third-party or Company property, and/or is likely to interrupt or significantly delay restoration of service to the Company's customers.

The employee must remain on site until relieved or until the hazard is made safe.

11 Vegetation Mgt Form vs EC Work Form

- Except for emergency vegetation issues which require immediate response, all other vegetation conditions (requiring action) observed during an inspection or patrol must be identified and entered into the SAP database as a Vegetation Notification, **Priority E, Work Type Code 564** with a **12-month** required end date, then routed to Vegetation Management for completion.
- Vegetation Management manages all vegetation notifications, and must notify the issuing department when the conditions have been corrected or cancelled. A copy of the completed notification must be returned to Compliance for review or further action if the work is outside of the scope of Vegetation Management.
- Vegetation Management must also ensure that the notification has been properly closed. If no action was required by Vegetation Management, the notification should be cancelled and closed. Comments need to include the forester/contractor name and date of the field visit.
- The following work is outside the scope of Vegetation Management and would require an **OH or UG EC Work Form:**
    - Clearing for climbing space
    - Clearing guy bobs
    - Secondary trimming for reasons other than compliance
    - Trimming for new business/reconstruction
    - Vine removal
    - Debris removal
    - Weed abatement (except as required to meet PRC 4292 compliance and transmission fee strips)
    - Clearing UG sub-structures
    - Clearing road access
    - Street light trimming

12 Pending EC Field Validation

1. The PS&R Supervisor or Specialist is responsible to ensure that anyone performing field validations, including cancellations, meets the definition of a Qualified Company Representative (QCR)

    - These are individuals who, by reason of knowledge, required training, and/or work experience, can accurately perform the required/assigned tasks on electric distribution facilities.

2. The following outlines the key requirements for performing field validations of Pending EC Notifications:

    - Validations and cancellations of Pending EC notifications require a QCR who will make the point-in-time condition-based validation of the facility/condition utilizing the Probability/Impact and Degree of Importance charts. These charts provide guidance to the QCR to take into account the probability of equipment/facilities failure and/or exposure and the impact to equipment/facilities failure and/or exposure to hazard.

    - The priority and required end date associated with the notification depend on the proximity to roadways or pedestrian traffic, the accessibility of the location to the public or the impact of failure or exposure.

    - In addition, for pole replacements, the required end date is based on the condition as outlined in WP2325 Wood Poles – Testing, Restoring, Reinforcing, and Reusing and WP2325-03 – Pole Replacement Prioritization.

3. Cancel: Pending EC Notifications may be cancelled if it is determined that all of the conditions identified on the notification were already completed using the code NCOA (Notification Complete On Arrival). In this scenario, two photos are required to document the new or repaired facility in the field.

   - The Inspector will enter his/her LAN ID and date that Pending EC Notification was confirmed as **NCOA** in the "Completed By" fields

   - The Inspector will check the "Found Completed Upon Arrival" box and enter in the Field Comments section the standard "NCOA" comments: **"All work found completed upon arrival; cancel tag**"

   - **Two photos** are required

     - One photo from "across the street" to show the surrounding area, construction build, etc.

     - A close-up photo of the replaced or repaired field issue/condition

4. Cancel: An EC Notification may also be cancelled if it is determined the field condition does not meet the current Electric Corrective criteria, such as a condition that is not compelling/does not need to be addressed within 12 months (refer to Bulletin 2010-27 for rural maps) OR is not a Regulatory Condition, NOCR (Not Compelling or Regulatory); refer to EC Work Form for regulatory FDA's. In this scenario, at least one photo is required to document the current field condition.

   - The Inspector will enter their LAN ID and date that EC was confirmed as **NOCR** in the "Completed By" fields

   - The Inspector will enter the standard "**NOCR**" comments: "**Tag does not need to be addressed within one year and is not a regulatory requirement, cancel tag**"

   - A minimum of **one photo** is required to document cancellation. Note: Inspector may need to take photos from an additional angle, if needed, to show justification for tag cancellation.

5. If the EC Notification is valid, the Compliance Inspector will review the assigned priority and duration, FDA's, and other information on the EC notification and make updates as needed.

    - The Inspector will enter their LAN ID and date that the EC was validated in the "Reviewed By" fields
    - The Inspector will identify/check any new FDA's on the "FDA" page of the EC notification
    - A minimum of one photo is required if adding a new, non-static FDA to the notification

> **NOTE**
>
> For information on documenting newly identified and/or completed minor work during validation, see Minor/Incidental Work Section.

13 Closing EC Notifications

1. The EC Notification cannot be closed until all of the identified maintenance conditions on the notification have been addressed and/or the facilities are in a safe and reliable condition that will not require action. The field employee (Crew, T-Man, Contractor, etc.) completing the EC notification is required to check that all FDA's identified on the notification have been completed, cancelled (action is not required), or found completed upon arrival, and to sign and date the EC notification to confirm that "all maintenance on this notification is addressed (completed, cancelled, or found completed upon arrival)"

2. Completing Overhead Notifications - Normal work practices apply. The crew repairs all safety items on the pole or structure on which they are working, from the ground to the upper most level of the pole.

   The crew should also repair minor/incidental maintenance conditions (including those that may not have been identified on the EC notification) at the jobsite. Examples of these conditions include the following:

   - Missing or illegible high voltage signs
   - Missing or damaged visibility strips
   - Exposed grounds
   - Low conductor clearances
   - Slack down guys
   - Missing or damaged guy markers
   - Low or bent pole steps
   - Bond wire contacting a primary crossarm brace
   - Bolt covers missing/damaged

3. Completing Underground Notifications - Normal work practices apply. The crew repairs all safety items associated with the enclosure on which they are working, including splice boxes, enclosures, substructures, vaults, or pad-mounted equipment.

   The crew should also repair minor/incidental maintenance conditions (including those that may not have been identified on the EC Notification) at the jobsite. Examples of these conditions include the following:

   - Missing or illegible signage
   - Missing security bolts or locks
   - Items that restrict access, such as trees or bushes
   - Improper grounding

4. New Work or Changes - EC Notifications must be submitted for new items identified by the crew that cannot be repaired at the time they are completing the EC notification in the field.

   Example:

   EC notification was to install a high sign only; upon arrival, crew determines that the crossarm also needs to be replaced. If they have the materials available, they may replace the crossarm and add to the EC notification, or they may install the high sign only, and then write a new EC Form to replace the crossarm. Best practice is to complete all work required at the location with one field visit.

   Where the work performed is different from that identified on the notification, the notification must be “redlined” to update the comments section to indicate the actual work done; any new FDA’s completed should be checked on the printed FDA page of the notification, and the changes entered into the SAP program.

14

Assessing PCB/Oil Spills for ED Line Equipment

General PCB/Oil Spill Response Procedures

1. ALWAYS do the following:
   - Contain spill, if needed
   - Call supervisor for all major spills and all spills related to PCB Equipment manufactured prior to July 1979
   - Take pictures

2. Determine Preliminary PCB Concentration

   IF safe to do so,

   THEN determine the preliminary PCB concentration of the equipment according to the indicators using Table 1: Preliminary PCB Concentration Determination shown on the next page.

   IF the preliminary PCB concentrations are below 50 ppm,

   THEN use the responses in the Non-PCB Equipment columns in Table 2: PCB Spill/Leak Category Response Matrix (OH & Subsurface) and Table 3: PCB Spill/Leak Category Response Matrix (Padmount).

Table 1: Preliminary PCB Concentration Determination

Indicator	Preliminary PCB Concentration
Field screening with Chlor-N-Oil kit.	Above 50 ppm
Nameplate data showing that the transformer was filled with non-PCB insulating fluid or the presence of a blue non-PCB sticker.	Below 5 parts per million (ppm)
Nameplate data showing the manufacture date was after July 1979. If available, refer to Numbered Document 013244 in the Transformer Section of the *Electric Overhead Construction Manual* to determine the manufacture date.	Below 50 ppm
A repair-facility silver sticker or a repair-tracking system label.	As indicated on label: Below 5 ppm Below 50 ppm ≥ 50 and < 500 ppm
None of the above.	Assumed to be ≥ 50 and < 500 ppm

Safety

1. Procedures

   Perform all procedures and activities in accordance with all applicable safety rules, the Code of Safe Practices, and Utility Standard SAFE-1001S, "Safety and Health Program Standard."

2. Contact with Spill

   Employees and contractors must not touch contaminated surfaces or walk through a spill without wearing protective clothing. Protect the public from contact with the spill area.

3. Personal Protective Equipment (PPE)

   Employees must wear appropriate protective clothing and equipment.
   The following are the minimum requirements for protective clothing:

   - Plastic overshoes, if necessary
   - Solvex gloves
   - If any contact with insulating fluid is anticipated, add disposable overalls (flame-resistant rated)

Table 2: PCB Spill/Leak Category Response Matrix (OH & Subsurface)

PCB Spill/Leak Category Response Matrix
Overhead & Sub-Surface Equipment

Indicator	PCB Equipment Manufactured Before July 1979		Non-PCB Equipment Manufactured July 1979 or later	
	EC Notification Priority	Standby at Site	EC Notification Priority	Standby at Site
Equipment has failed and insulating fluid has run off the surface of the equipment and is in contact with the soil, vegetation, or water.	A Replace	Yes	A Replace	Yes
Insulating fluid has run off the surface of the equipment and is in contact with the soil, vegetation, or water OR Insulating fluid Is actively dripping.	A Replace	Yes	A Replace	Supervisor discusses with EFS to determine need to standby based on location and size of spill.
Insulating fluid is about to run off the surface of the equipment but has not made contact with the soil, vegetation, water, or structure.	A Replace	Yes	A Replace	Supervisor discusses with EFS to determine need to standby based on location and size of spill.
Insulating fluid is on the surface of the equipment and is **not** about to run off the surface and has **sheen** (Weeps or Seeps).	Supervisor discusses with EFS to determine EC notification category based on sensitivity of location and upcoming weather. IF no timely response from EFS within ½ hour, THEN assumed to be sensitive area.			
Sensitive Areas	A Replace	Not needed	B 3 month Recheck • Describe sheen in notification • Re-check in 3 months.	Not needed
Non-sensitive Areas	B 30 day Replace IF estimating cannot be completed in time to meet 30 day deadline, THEN replace with like.			
Residual stain is a mark on the equipment that appears dried. Examples: • Stain on side of overhead transformer • Stain on concrete	No further action needed	Not needed	No further action needed	Not needed

Table 3: PCB Spill/Leak Category Response Matrix (Padmount)

PCB Spill/Leak Category Response Matrix
Padmount Equipment

Indicator	PCB Equipment Manufactured Before July 1979		Non-PCB Equipment Manufactured July 1979 or later	
	EC Notification Priority	Standby at Site	EC Notification Priority	Standby at Site
Equipment has failed and insulating fluid has run off the surface of the equipment and is in contact with the soil, vegetation, or water.	A Replace	Yes	A Replace	Supervisor discusses with EFS to determine need to standby based on location and size of spill.
Insulating fluid Is actively dripping either outside or inside the cabinet doors.	A Replace	Yes	A Contain & Clean Complete cleaning A, B, or E Replace	Supervisor discusses with EFS to determine need to standby based on location and size of spill.
Insulating fluid has run off the surface of the equipment or **pad** and is in contact with the soil, vegetation, or water. OR Insulating fluid is about to run off the surface of the equipment but has not made contact with the soil, vegetation, water, or structure OR Insulating fluid is on the surface of the equipment and is **not** about to run off the surface and has **sheen** (Weeps or Seeps).				
Oil is on outside of equipment	A Contain & Clean Complete cleaning Replace within 48 hours	Supervisor discusses with EFS to determine need to standby based on location and size of spill	A Contain & Clean Complete cleaning A, B, or E Replace, Repair, or Recheck	Not needed
Oil is inside of cabinet due to fuse operations.	A Clean Complete cleaning Take before and after pictures	Not needed	A Clean Complete cleaning Take before and after pictures	Not needed
Oil is inside of cabinet due to leaking site glass, leaking drain plug, or unknown	A Contain & Clean Complete cleaning Replace within 48 hours	Not needed`	A Contain & Clean Complete cleaning A, B, or E Replace, Repair, or Recheck	Not needed

Key Notes

1. To simplify how to respond, there is no longer a reference to <>1 gallon of oil
2. Standby Requirements are clarified (not always required, based on location and size of spill)
3. Direction related to the location, i.e. “area sensitivity” such as upcoming weather – high likelihood of rain that would cause oil to drip off of equipment, near waterways or animals (chicken ranch), etc.
4. Option to “re-check” if there is only a sheen and the first responder does not believe it is an “active” leak
5. Stains: Discolored, no sheen present; no further action required

15 Links to Inspector Job Aids

- OH Inspection Job Aid
- UG Inspection Job Aid
- High Voltage Sign Requirements
- Assessing UG Primary Enclosure Covers
- OH Clearance Evaluation Job Aid
- EC Photo Capture Job Aid

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Overview

This chapter describes the process for conducting assessment for overhead poles.

Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.

Forms You Need

- Map Package
- Forms Catalogue: OH EC Work Form, Pole Inspection/Test Report

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1 Definition of OH Pole Assessments

OH Pole Assessments include visual testing and may include mechanical testing processes used by the Compliance Inspector to assess the condition of the pole to determine corrective maintenance priority.

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2 When to Perform OH Pole Assessments

Suspect Poles can be identified by condition-based and/or diagnostic testing and monitoring of facilities. (Utility Standard S2302)

Not every pole needs to be tested.

IF the Compliance Inspector **suspects a bad pole** because of at least **one** of the following:

1. Results of a Visual Inspection
2. Presence of a Pole Tag
3. Concern that the Pole Tag condition has changed
4. Presence of Woodpecker Holes
5. All pole replacement or reinforcement candidates that meet either of the following criteria **shall be tested**:
   (a) Whenever a pole (other than those identified by Test & Treat) is identified for replacement or reinforcement
   (b) Whenever there is concern that the conditions of a previously tested pole have changed

THEN The Compliance Inspector **must perform diagnostic testing** to determine the condition of a facility and its components

3 Requirements for OH Pole Assessment

Compliance Inspectors are required to perform OH Diagnostic Testing on suspect poles.

Compliance Inspectors are required to refer to the (1) Impact/Probability Matrix chart and (2) Degree of Importance chart to determine corrective maintenance priority. The charts are located in the “Assessments, Notifications, & Forms” tab.

Using the charts, Compliance Inspectors are required to report confirmed suspect poles on the Pole Inspection/Test Report and attach it to an OH EC Work Form.

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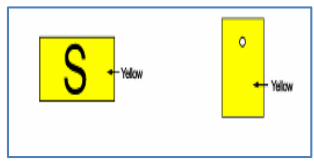
4 Pole Tags: Test and Treat Tags

1. Poles determined by the contractor to be candidates for replacement are currently tagged by the contractors with a yellow rectangle with a black “N” on it, but in some cases, a white square was used to indicate this condition.



Poles determined by contractor for replacements

2. Poles determined by the contractor to be candidates for reinforcement are currently tagged by the contractors with a yellow rectangle with a black “S” on it, but in some cases, a yellow square was used to indicate this condition.



Poles determined by contractor for reinforcement

3. T&T will test a pole if it has an N tag from the previous test cycle (per their process, it is a new test). A pole with an N on it does always mean that a pole replacement EC has been created. Not all poles with an N actually meet the PG&E replacement criteria.

    - For example, during the early years of T&T they identified poles with 3 inches or less, the current criteria is 2 inches or less.

---

5 Pole Tags: PG&E Tags

1. All PG&E-tested poles recommended for replacement or reinforcement shall be plainly marked with a pole tag as a caution to employees indicating that the pole is deteriorated. (Pole test-and-treat contractors may use alternate marking methods with the prior approval of the PG&E project manager.)

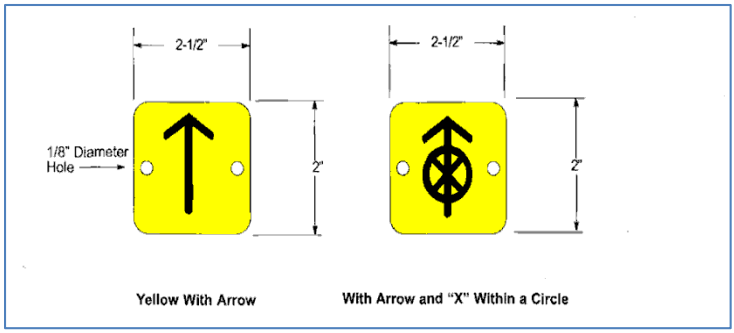
2. The tag serves as a caution to employees that the pole should not be climbed or worked on without following the requirements outlined in the Code of Safe Practices and UO Standard S2411.

3. Place one tag on the road side of the pole at approximately 7 feet above groundline.

    (a) If the pole is deteriorated on the groundline section, place the tag so the arrow points downward.

    (b) If the pole is deteriorated in the upper portion, place the tag so the arrow points upward.

(c) If the pole is deteriorated in both the groundline section and in the upper portion, place a double set of tags, one set with the arrow pointing downward and the other set with the arrow pointing upward.



Arrow points towards the area of deterioration	Similar tag except “x” through arrow indicate immediate attention
Code 374573	Code 374574

---

6 How to Perform OH Diagnostic Testing

1. Perform a **visual inspection,** which identifies:
   (a) Above-groundline compression wood
   (b) Bird (avian) or insect holes
   (c) Shell rot
   (d) Fire or mechanical damage
   (e) Breaks or cracks
   (f) Loose or broken hardware
   (g) Damage to cross-arms
   (h) Damaged conductors
   (i) Other conditions which could render the structure unserviceable

4. Perform **Sound Inspection,** which identifies portions of the pole with obvious internal deficiencies:

   (a) Test with 20-ounce minimum metal hammer (hammer marks are visible on the pole)

   (b) Test all sides of the pole

   (c) Test from the groundline to a height of 7 feet, or as high as the inspector can reach, whichever is the greater

   (d) Identify possible internal voids or hollows

5. Evaluate Visual and Sound Inspection Results (#1 and #2 above)

   IF the pole **fails either inspection**

   THEN the Compliance Inspector **must perform a Bore Test**

7

How to Perform a Bore Test

Definition: A **Bore Test** is an intrusive inspection that **further evaluates** and assesses the condition of the pole: Listed below are the steps used to perform a Bore Test.

1. Locate the largest check at the groundline
2. Excavate to a depth of 20 inches an area wide enough to accommodate the drill
3. Bore a minimum of three 9/16-inch holes at a 45 degree angle to the axis of the pole, with each bore extending beyond the center of the pole
4. Take care not to break through to the other side
5. Bore with a long-shank ship auger (code 200958) to allow observation of the wood shavings exiting the bore

6. **IF** the pole has been previously tested and the previous bores are in the **proper locations**

   THEN Bore a new hole approximately 2 inches below and to the right of existing bore-hole wooden plugs or re-inspect the previous bore by removing the plastic plug(s).

   (a) Start the first bore adjacent to the largest seasoning check, 12 inches below the groundline

   (b) Each successive bore shall be 120 degrees to the right and 12 inches above the previous bore

   (c) Examine the shavings to determine if wood decay is present

   (d) If decayed wood or void is present, bore a sufficient number of additional holes to determine the extent of decay and the average shell thickness

   (e) If a pole is set in asphalt or concrete, or otherwise cannot be excavated, start the first bore adjacent to the largest seasoning check at the groundline

   (f) If internal voids are present in a pole set in asphalt or concrete, the pole shall be rejected as unsuitable for treatment and evaluated for the feasibility of restoration or reinforcement

7. CAUTION Testing Cellon Treated Poles

   IF Testing Cellon Treated Poles: Cellon or Dow gas-treated poles designated by the brand “DFG” have exhibited higher rates of external decay occurring below the groundline.

   THEN, the pole testing procedures **shall be extended** to include the following:

   (a) Excavate 360° around the pole to a depth of 20 inches

   (b) Inspect for surface (shell) decay

   (c) If decay is found, “chip” or scrape the pole to remove the decayed wood from the pole shell down to good wood and measure the resulting groundline circumference

(d) Record this measurement

(e) Remove decayed wood chips from the excavation so the chips will not contribute to further deterioration of the pole

(f) Bore, test, and plug the holes as described in the previous section. Below-ground decay in gas-treated poles in concrete or asphalt can be difficult to detect. Therefore, it is important that the QCR bores inspection holes deeply and across as much of the pole cross-section as possible and looks carefully for any signs of external decay, mildew, moisture, stains, etc., noting any findings on the inspection report.

(g) If a bad pole top is found, a bore test is not required when the lower condition has no abnormalities. However, a pole test data sheet and the minimum fields are required.

8. Intrusive Testing

IF an intrusive test is required

THEN do the following:

(a) Start with the groundline and below groundline (if in dirt) measurements and if the average shell thickness is 2” or less, determine if the pole is stubbable.

(b) Check to see if there is a void at 66”. If there is, the pole is not stubbable.

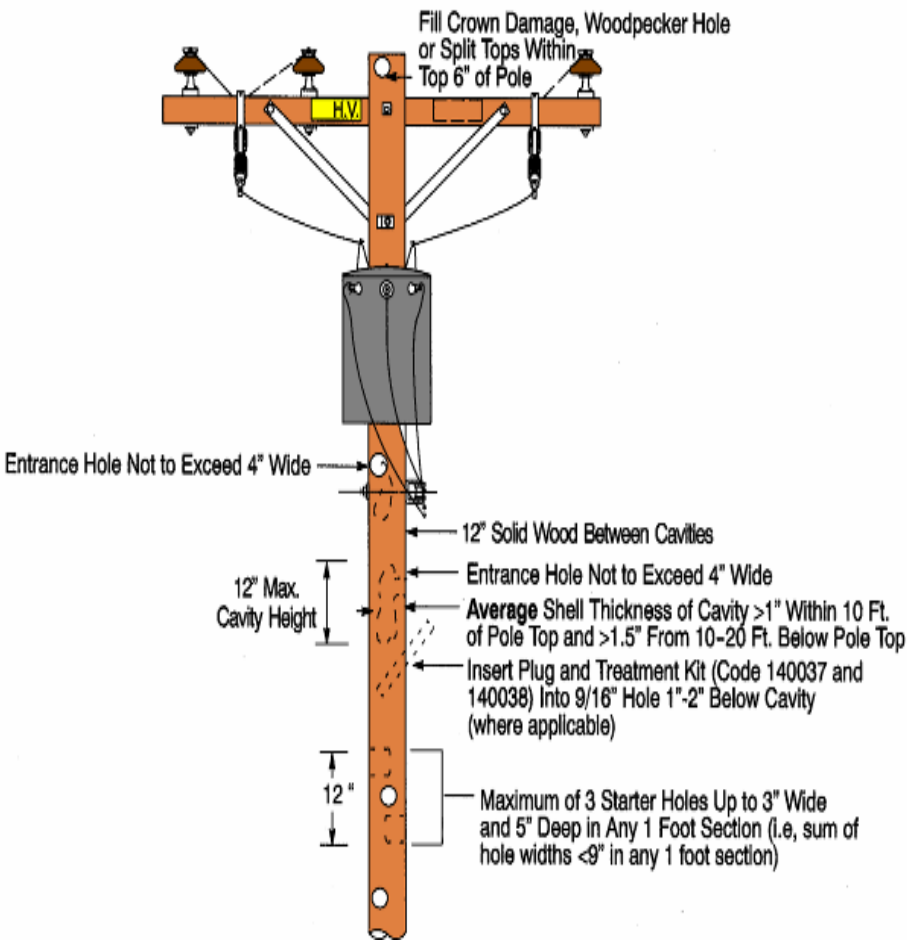
(c) Check to see if there is a minimum average shell thickness of at least 2” at the lower bands (15” or 26”).

(d) Check to see if there is a minimum average shell thickness of at least 4” at the upper bands (42” or 54”).

(e) If there is insufficient average shell thickness at either c) or d), the pole is not stubbable.

(f) If there is sufficient average shell thickness at both c) and d), the pole is stubbable.

8 Assessing Woodpecker-Damaged Poles



1. The Compliance Inspector should note the approximate location, number, and size of woodpecker holes on the “Pole Inspection/Test Report”.

2. Determine whether identified above-ground or pole-top damage is suitable for restoration. Poles are suitable for restoration and can remain in service if they meet the criteria listed below:

    (a) There is 1 vertical inch of solid wood directly below any throughbolt to support existing or proposed attachments.

(b) Nesting cavities or other open pockets have an outside hole diameter that is less than 4 inches wide.

(c) Internal cavities are estimated to be less than 12 inches high and 7 inches in diameter.

(d) The average shell thickness of the cavity is greater than 1 inch within the top 10 feet of the pole, and greater than 1½ inches between 10 feet and 20 feet from the top. See Exhibit B, Part 1, for shell thickness between 20 feet of the pole top and the groundline.

(e) There is more than 12 inches of sound wood vertically between nesting cavities.

(f) There are three or fewer starter holes less than 3 inches wide, 3 inches high, and 5 inches deep within any 1-foot vertical section of the pole. The maximum sum of the diameters of the holes must be less than 9 inches wide in a 1-foot vertical section.

(g) The pole-top crown damage or split tops extend downward less than 6 inches from the pole top.

Reference: Overhead Construction Manual (TIL):
http://www/techlib/default.asp?body=manuals/electricoverhead/

9 How to Record Results on a Pole Inspection/Test Report

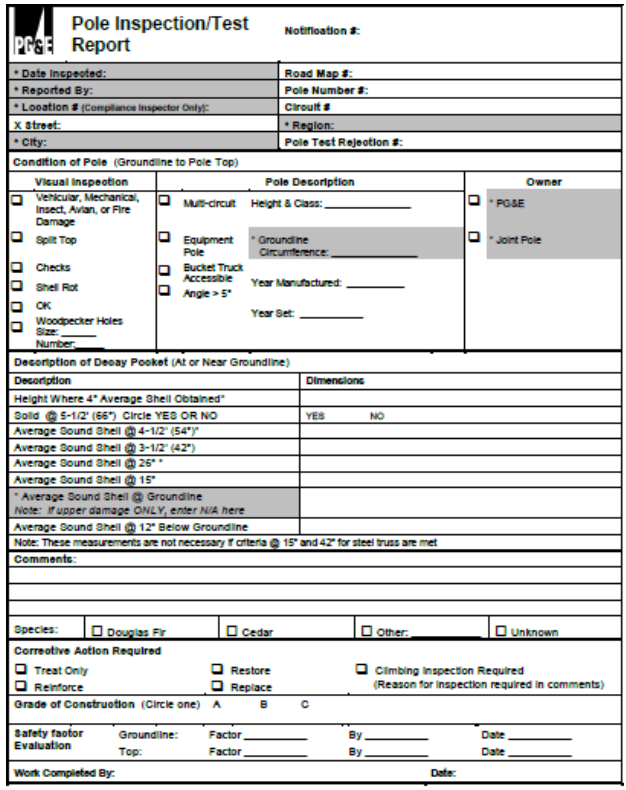
1. Record test results on the Pole Inspection/Test Report form.

   (a) Complete all the general information, Date, Inspector, Location, etc.

   (b) Complete visual information and pole description information

   (c) Complete all grey fields

   (d) See sample *Pole Inspection/Test Report* below



Pole Inspection/Test Report

Notification #:

* Date Inspected:	Road Map #:
* Reported By:	Pole Number #:
* Location # (Compliance Inspector Only):	Circuit #
X Street:	* Region:
* City:	Pole Test Rejection #:

Condition of Pole (Groundline to Pole Top)

Visual Inspection	Pole Description	Owner
☐ Vehicular, Mechanical, Insect, Avian, or Fire Damage	☐ Multi-circuit Height & Class: _____	☐ * PG&E
☐ Split Top	☐ Equipment Pole * Groundline Circumference: _____	☐ * Joint Pole
☐ Checks	☐ Bucket Truck Accessible	
☐ Shell Rot	☐ Angle > 5° Year Manufactured: _____	
☐ OK	Year Set: _____	
☐ Woodpecker Holes Size: _____ Number: _____		

Description of Decay Pocket (At or Near Groundline)

Description	Dimensions
Height Where 4" Average Shell Obtained"	
Solid @ 5-1/2" (66°) Circle YES OR NO	YES NO
Average Sound Shell @ 4-1/2" (54")"	
Average Sound Shell @ 3-1/2" (42")	
Average Sound Shell @ 26" "	
Average Sound Shell @ 15"	
* Average Sound Shell @ Groundline *Note: If upper damage ONLY, enter N/A here*	
Average Sound Shell @ 12" Below Groundline	

Note: These measurements are not necessary if criteria @ 15" and 42" for steel truss are met

Comments:

Species: ☐ Douglas Fir ☐ Cedar ☐ Other: _____ ☐ Unknown

Corrective Action Required

☐ Treat Only ☐ Restore ☐ Climbing Inspection Required
☐ Reinforce ☐ Replace (Reason for inspection required in comments)

Grade of Construction (Circle one) A B C

Safety factor Evaluation				
	Groundline:	Factor _____	By _____	Date _____
	Top:	Factor _____	By _____	Date _____

Work Completed By: **Date:**

Revised 10/18/2016 NOTE: Asterisk (-) on the tag indicates required field.

Sample: Pole Inspection/Test Report Form

Average Sound @ ground: If pole is being replaced due to upper pole damage only, then the Compliance Inspector should write “N/A” AND complete visual inspection section.

2. Use the (1) Risk/Probability Matrix chart and (2) Degree of Importance chart to determine corrective maintenance priority.

3. Complete the OH EC Work Form to document your findings and recommendations.





---

10 When to Turn in Forms

Use the OH EC Work Form's Recommended Repair Date and Priority as guidance to turn in both the OH EC Work Form and Pole Inspection/Test Report form.

Take the completed forms together with the completed Map Package to the local PS&R office for review and processing daily, or at the next visit to the PS&R office, not to exceed five (5) business days.

This page is reserved for future updates.

This page is reserved for future updates.

Overview

This chapter describes the requirements for conducting Infrared Assessments for underground equipment.

Before You Start

- Read the Safety chapter of this manual.
- Wear the appropriate personal protective equipment (PPE) for your specific tasks and work area.

Table of Contents

Definition of UG Infrared Assessment 2

When to Perform UG Infrared Assessment 3

Equipment 3

What is Required? 4

Setting Up the Infrared Camera 7

IR Scanning Technique 8

Infrared Inspection Measurement Points 9

Identify Hot Transformers and Underground Oil Switches 10

IR Reference Documents & Links 10

1 Definition of UG Infrared Assessment

During an UG Inspection, the Compliance Inspector performs tests using Infrared (IR) Thermography. The results of the IR test are compared to PG&E's published Corrective Maintenance Priorities for Underground (additionally, OH and Live-front) Distribution Facilities Qualitative Analysis Table to determine corrective maintenance priority.

Background

1. Use infrared (IR) imaging and temperature measuring systems as diagnostic tools in both electric transmission and distribution (T&D) system inspections and in preventive maintenance programs. IR imaging can accurately identify and initiate the repair or replacement of faulty devices, equipment, and components.
2. Based on industry specifications, connectors have lower operating temperatures than their respective conductors. Any time the temperature of a connector is greater than the temperature of its respective conductor, a higher resistance connection exists and a failure can be expected, but not precisely predicted. Connector degradation occurs faster with an increase in load or temperature.
3. Conductor manufacturers recommend that the usual maximum operating temperature for tensioned bare conductor be limited to 75° Centigrade (C) (167° Fahrenheit [F]).
4. Conductor manufacturers recommend that the usual maximum operating temperature for insulated conductor be limited to the following temperatures:

INSULATED CONDUCTORS	MAXIMUM OPERATING TEMPERATURE LIMIT
High molecular weight polyethylene (HMWPE) material	75°C (167°F)
Cross-linked polyethylene (XLPE) material	90°C (194°F)
Ethylene propylene rubber (EPR) material	105°C (221°F)

NOTE

For insulated conductor systems, the temperature measured at the surface of an insulated conductor or component may be between 20% and 50% of the actual temperature of the targeted conductor or component. For example, if the actual temperature of the component is 100°C (212°F), the measured temperature could be between 20°and 50°C (68°F and 122°F, respectively).

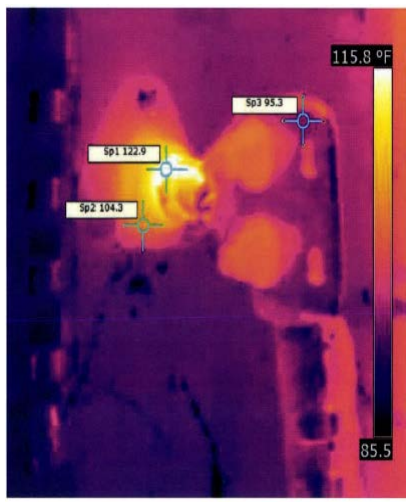
2 When to Perform UG Infrared Assessment

UG Infrared Assessments are performed during Underground Inspections.

3 Equipment

Infrared imaging systems are used to detect and record all of the heat being radiated in their field of view.

- The IR camera uses an image scanning technique to specifically identify heat radiated from a target and its background.
- These units capture and store the heat images pictorially for immediate or future evaluation.
- By using these units, the operator can pinpoint the location of the hottest spot on the target being observed.



4 What is Required?

1. Perform a visual inspection for physical damage and noticeable defects in cables and/or elbows.

2. Perform an Infrared Assessment of cables and connectors.

3. Determine Corrective Maintenance Priority

    - Refer to Tables 1 and 2 on the next pages to assess and prioritize the relative severity of the conditions found during an inspection, based on the measured temperatures and temperature differential.

    - There are two methods used in IR Inspections:

        a. Qualitative Analysis – Refers to relative temperature values of a hotspot with respect to other parts of the equipment with similar conditions.

        b. Quantitative Analysis – Refers to actual temperature values measured from the hotspot.

4. Between methods (a) and (b) above, the most reliable is the Qualitative Analysis because it is not affected by environmental factors such as ambient temperature, humidity, and emissivity as is the Quantitative Analysis.

NOTE

Report the temperature differential on the IR Data Sheet and attach to the appropriate OH or UG EC Notification.

The defective/damaged components must be reported and preserved in accordance with the Material Problem Reporting Program

Table 1

Corrective Maintenance Priorities for Overhead / Live-Front Distribution Facilities

Qualitative Analysis Delta Temperature (ΔT)			
Distribution Facilities	Condition	Temperature Differential (ΔT)	Priority/Due Date
Arrester, Cut-outs and Pot Head Termination	Normal	ΔT ≤ 10°C ΔT ≤ 18°F	No maintenance Required
	Minor	10°C <ΔT ≤25°C 18°F <ΔT ≤45°F	Write EC tag with Priority E Complete within **180** days
	Medium	25°C <ΔT ≤45°C 45°F <ΔT ≤81°F	Write EC tag with Priority B Complete within **90** days
	Severe	ΔT> 45°C ΔT> 81°F	Write EC tag with Priority B Complete within **30** days
Connector and Switch	Normal	ΔT ≤ 25°C ΔT ≤ 45°F	No maintenance Required
	Minor	25°C <ΔT ≤45°C 45°F <ΔT ≤81°F	Write EC tag with Priority E Complete within **180** days
	Medium	45°C <ΔT ≤60°C 81°F<ΔT ≤108°F	Write EC tag with Priority B Complete within **90** days
	Severe	ΔT >60°C ΔT >108°F	Write EC tag with Priority B Complete within **30** days

Quantitative Analysis Measured Temperature (T)			
Distribution Facilities	Condition	Temperature Limits	Priority/Due Date
Arrester, Cut-outs and Pot Head Termination	Normal	$T_{hot\ spot} \leq 70°C$ $T_{hot\ spot} \leq 158°F$	No maintenance Required
	Minor	$71°C < T_{hot\ spot} \leq 80°C$ $160°F < T_{hot\ spot} \leq 176°F$	Write EC tag with Priority E Complete within **180** days
	Medium	$80°C < T_{hot\ spot} \leq 85°C$ $176°F < T_{hot\ spot} \leq 185°F$	Write EC tag with Priority B Complete within **90** days
	Severe	$85°C < T_{hot\ spot}$ $185°F < T_{hot\ spot}$	Write EC tag with Priority B Complete within **30** days
Connector and Switch	Normal	$T_{hot\ spot} \leq 85°C$ $T_{hot\ spot} \leq 185°F$	No maintenance Required
	Minor	$85°C < T_{hot\ spot} \leq 105°C$ $185°F < T_{hot\ spot} \leq 221°F$	Write EC tag with Priority E Complete within **180** days
	Medium	$105°C < T_{hot\ spot} \leq 120°C$ $221°F < T_{hot\ spot} \leq 248°F$	Write EC tag with Priority B Complete within **90** days
	Severe	$T_{hot\ spot} > 120°C$ $T_{hot\ spot} > 248°F$	Write EC tag with Priority B Complete within **30** days

Notes:

1. If infrared component has already failed, or it has significant damage, or its condition results in significant exposure to the general public, write an EC tag with priority A and take immediate corrective action.

2. Write the indicated EC tag and complete within the due date as shown in Table 1.

3. For live-front terminations on pad-mounted transformers or the equipment, use the OH temperature-differential values to determine priorities.

4. This table does not apply to transformer tanks. For the proper action to take, refer to Tables 1 and 2 on Page 2 of Numbered Document 068178 "Distribution Transformer Temperature."

5. Temperature conversion factor: °C = (°F – 32) X (5/9).

6. Temperature differential: $°C_{diff} = (°F_{diff}) / 1.8$.

Table 2

Corrective Maintenance Priorities for Underground Distribution Facilities

Qualitative Analysis Delta Temperature (ΔT)			
Distribution Facilities	Condition	Temperature Differential (ΔT)	Priority/Due Date
Elbow and Termination	Normal	ΔT ≤ 6°C ΔT ≤ 11°F	No maintenance Required
	Medium	6°C <ΔT ≤20°C 11°F <ΔT ≤36°F	Write EC tag with Priority B Complete within 60 days
	Severe	ΔT > 20°C ΔT >36°F	Write EC tag with Priority A Complete within 30 days
Joint/Splice and switch	Normal	ΔT ≤ 6°C ΔT ≤ 11°F	No maintenance Required
	Medium	6°C <ΔT ≤12°C 11°F <ΔT ≤22°F	Write EC tag with Priority B Complete within 60 days
	Severe	ΔT >12°C ΔT >22°F	Write EC tag with Priority B Complete within 30 days

Quantitative Analysis Measured Temperature (T)			
Distribution Facilities	Condition	Temperature Limits	Priority/Due DAte
Elbow and Termination	Normal	$T_{hot\ spot} \leq 80°C$ $T_{hot\ spot} \leq 176°F$	No maintenance Required
	Medium	$80°C < T_{hot\ spot} \leq 88°C$ $176°F < T_{hot\ spot} \leq 190°F$	Write EC tag with Priority B Complete within 60 days
	Severe	ΔT >88°C ΔT >190°F	Write EC tag with Priority B Complete within 30 days
Joint/Splice and switch	Normal	$T_{hot\ spot} \leq 85°C$ $T_{hot\ spot} \leq 185°F$	No maintenance Required
	Medium	$85°C < T_{hot\ spot} \leq 120°C$ $185°F < T_{hot\ spot} \leq 248°F$	Write EC tag with Priority B Complete within 60 days
	Severe	$120°C < T_{hot\ spot}$ $248°F < T_{hot\ spot}$	Write EC tag with Priority B Complete within 30 days

Notes:

1. If infrared component has already failed, or it has significant damage, or its condition results in significant exposure to the general public, write an EC tag with priority A and take immediate corrective action.

2. Write the indicated EC tag and complete within the due date as shown in Table 2.

3. For live-front terminations on pad-mounted transformers or the equipment, use the OH temperature-differential values to determine priorities as shown in Table 1.

4. This table does not apply to transformer tanks. For the proper action to take, refer to Tables 1 and 2 on Page 2 of Numbered Document 068178 "Distribution Transformer Temperature."

5. For underground switches, the delta temperature values shown in this table are between **switch components and its bushing-elbow interface.**

6. Temperature conversion factor: °C = (°F – 32) X (5/9).

7. Temperature differential: $°C_{diff} = (°F_{diff}) / 1.8$.

5 Setting Up the Infrared Camera

To obtain accurate measurements, it is critical to establish the proper IR imaging system setup parameters for emissivity and background temperature. Use other system setup parameters primarily to record and assist initial or future evaluations of heat radiating from a target and its background.

Setting the emissivity value at 1.0 eliminates the need to set the background temperature. In this case, the target is considered a black body, totally reflective, and non transmissive.

1. With highly emissive targets, the actual reflected energy is so small with respect to the emitted energy that the temperature measurement is well within reason for predictive maintenance applications.
2. As the emissivity value of the target decreases, the influence of background radiation increases and, consequently, so does the potential for errors based on background temperature settings.
3. If the emissivity value is set at less than 1.0 and the background temperature setting is adjusted inaccurately, the chances are greater that the target's resulting temperature measurement will contain errors than if the emissivity value were set at 1.0.
    a. For example, when the emissivity setting is less than 1.0 and the background temperature setting is higher than the actual background temperature, the target temperature measurement will be less than it should be. However, if the background temperature setting is lower than the actual background temperature, then the target temperature measurement will be higher than it should be. The measurement deviation is compounded as the emissivity setting decreases from 1.0.

    b. This approach eliminates the need to determine exact emissivity and background temperature values, simplifies the system operation, and results in reasonably accurate measurements. For example, when IR measurements are taken on overhead systems where the ceiling (sky) is unlimited, an accurate background temperature is nearly impossible to determine. Furthermore, most targets have dark surfaces and, therefore, have emittance values very close to 1.0.

6 IR Scanning Technique

If the color pallet of the thermal image shows an elevated differential temperature between the targeted component and conductor/cable, follow the steps below:

1. Center the targeted component (see Measurement Points ① in Figures 1 through 8 on page 10) in the viewer or sight of the IR scanning device, and observe the measured temperatures.

2. Scan approximately 1 to 2 feet (ft) of the conductor/cable entering and/or leaving the targeted image, and observe the measured temperatures (see Measurement Points ② in Figures 1 through 8 on page 10)

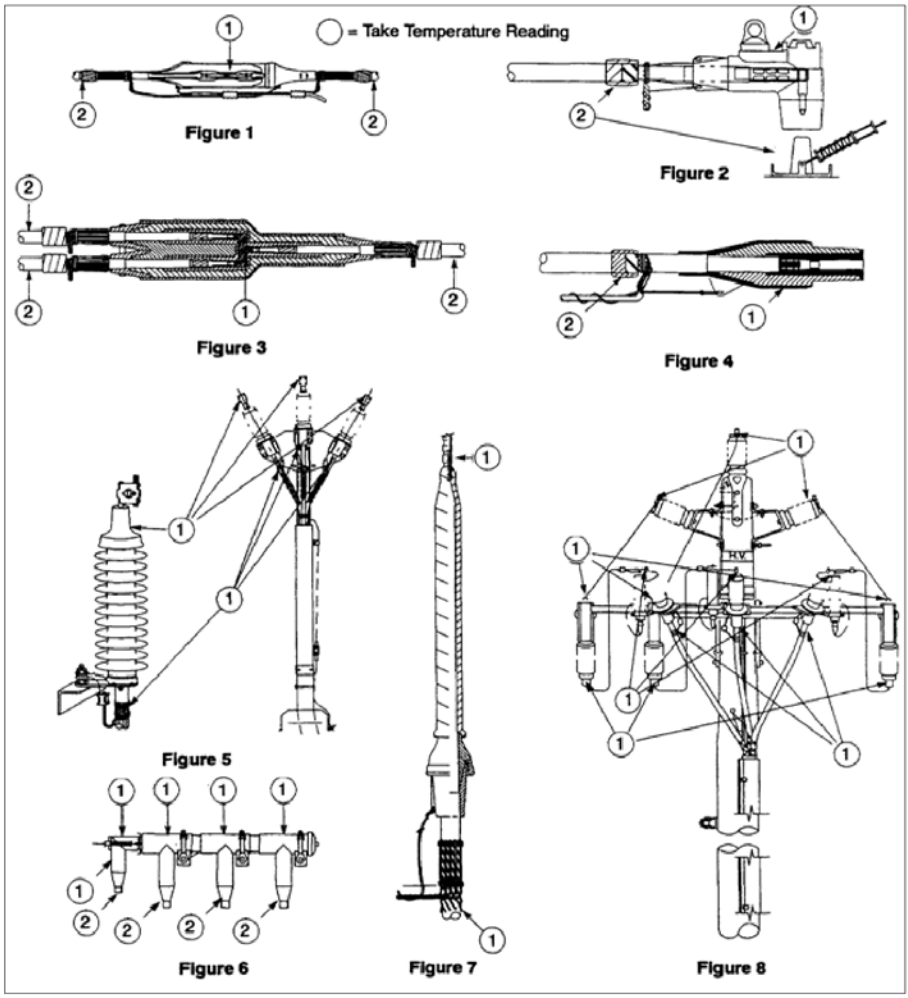
3. For radial live-front terminations where there is no adjacent component(s) on the same phase, compare the phase connector to other phase connectors and take load readings if a compelling abnormal condition is identified.

4. For looped live-front terminations, compare the connector temperatures on the same phase to each other and take a load reading on each cable (if an abnormal condition is found) to help ensure the temperature differential is not load related.

5. If the temperature differential is within the normal value shown in Tables 1 and 2, but the temperature absolute value exceeds the normal value shown in Tables 1 and 2, a temporary load transfer is recommended to increase the load viewed by the targeted component. Repeat the IR inspection on the same component and record the findings.

7 Infrared Inspection Measurement Points

The “Infrared Inspection Measurement Points,” image is comprised of eight separate figures (Figures 1 through 8 on page 10) that display the temperature measurement points on various conductor assemblies.



Infrared Inspection Measurement Points

Notes:

1. Numbers ① and ② are the measurement points referred to in sections 4 and 5
2. Observe excessive temperature readings for figures that only designate Measurement Points ①.

8 Identify Hot Transformers and Underground Oil Switches

The IR camera provides thermal images that can be used to identify transformer tanks with high temperatures due to high loading and switch tanks with high temperatures due to internal switch problems.

If a transformer tank with a high temperature is identified, take the actions indicated in Tables 1 and 2 on Page 2 of Numbered Document 068178 “Distribution Transformer Temperature.”

If an oil switch tank with a temperature higher than its cable terminations is identified, write an EC tag with Priority A to replace the switch immediately.

---

9 IR Reference Documents & Links

Form 62-0113, “Material Problem Report”

Form TD-2022P-01-F02, “Infrared Data Sheet”

Numbered Document 068178, “Distribution Transformer Temperature”

Utility Standard SCM-2106S, “Material Problem Reporting (MPR) Standard”

This page is reserved for future updates.

This page is reserved for future updates.

Overview

This chapter provides examples of forms used by Compliance Inspectors.

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Pacific Gas and Electric Company

Electric Maintenance Patrol / Inspection Daily Log

Blank
10/16/2015

☐ Rural ☐ Urban

Order: _____

MAT: _____

Schedule: _____

Map: _____

Main Work Center: _____

Inspector Name or LAN ID: _____

Date of Patrol/Inspection: _____

Date Reviewed: _____ By _____

(Specify highlight color.) _____

☐ Check if "NO" Abnormal Conditions Identified Today.

# of Structures on File: _____

# of Structures Pat/Insp _____

Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:
Loc #	EC #	OH UG MC TP I V IF	PMH Switch Serial # or Map Change Ref #	Notes:

DO NOT COPY

2. M&C Individual Contributor Tailboard Form

Electric M&C Individual Contributor Tailboard

Name:
Date:
Reviewer:

TD-2024P-01-F08
Rev: 0 12/2011
Page 1 of 2

Compliance Inspector **M&C Coordinator / FET** **Trench Inspector**
Mark & Locator **Yard Person** **Other**_____

Conduct a Self Tailboard at each location before performing a job to identify, evaluate and control any hazards related safety.

SELF CHECK	JOB HAZARD ANALYSIS
◆ **STOP** ○ Evaluate the work site and surroundings ○ Am I qualified to perform the task? ○ Does the task require another person or a crew? ○ If needed, contact the supervisor about unexpected hazards or conditions and the necessary controls ◆ **THINK** ○ Are required barriers and signs in place? ○ Have I protected myself and the public? ○ What behaviors could cause injury to myself or the public? ◆ **ACT** ○ Identify, evaluate and control potential hazards ○ Secure vehicle and equipment ◆ **REVIEW** ○ Task to be performed ○ Approved work methods and procedures ○ Approved tools and equipment ○ Proper PPE in use for the task **Apply the Two-Minute Rule:** Is required for all activities regardless of duration or complexity. To improve a person's situational awareness when at the job site, when beginning a task or to check for changing conditions when returning from a break. **The Smith 5 keys** 1. Aim High in Steering 2. Get the Big Picture 3. Keep Your Eyes Moving 4. Leave Yourself an Out 5. Make Sure They See You **3 Way Communication:** Promotes a reliable transfer of information & understanding insuring the correct action takes place.	➢ Electrical hazards ○ Conductor clearances ○ Minimum working distances ○ Exposed energized conductors or equipment ○ Ungrounded de-energized conductors or equipment ○ Wire down ○ Hot pole, cross arm, hardware ➢ FR clothing requirements ○ Single layer ○ Double layer ➢ Eyes on path ○ Slip, trip, fall hazards ○ Slope safety awareness ➢ Environment ○ Poisonous plants ○ Dogs, snakes, insects ○ Bio hazards, local hazards ➢ Equipment requirements/limitations ○ Boom clearances (Aerial Lift) ➢ Excavating ○ USA request ○ USA markings ➢ At risk for strains / sprains ○ Heavy lifting ○ Body position / posture ○ Proper work boots ➢ Visibility ○ Obscured ○ Clear line of sight ○ Sufficient lighting ➢ Fire hazard Index ○ Serviceable Fire extinguishers ○ Back pack & shovel

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TD-2024P-01-F08
Rev: 0 12/2011
Page 2 of 2

Document each Self check throughout the day(s) Signature:		
Time, Date & Location	Task	Hazards Identified and Controls Applied

Revised 7/22/2014

DAILY INDIVIDUAL TIMECARD **Headquarters:** _____ **DATE WORKED:** _____

TKG#	Name:	EE ID:			
Regular Work Hours:		*Vehicle #*		*Starting Miles*	*Ending Miles*

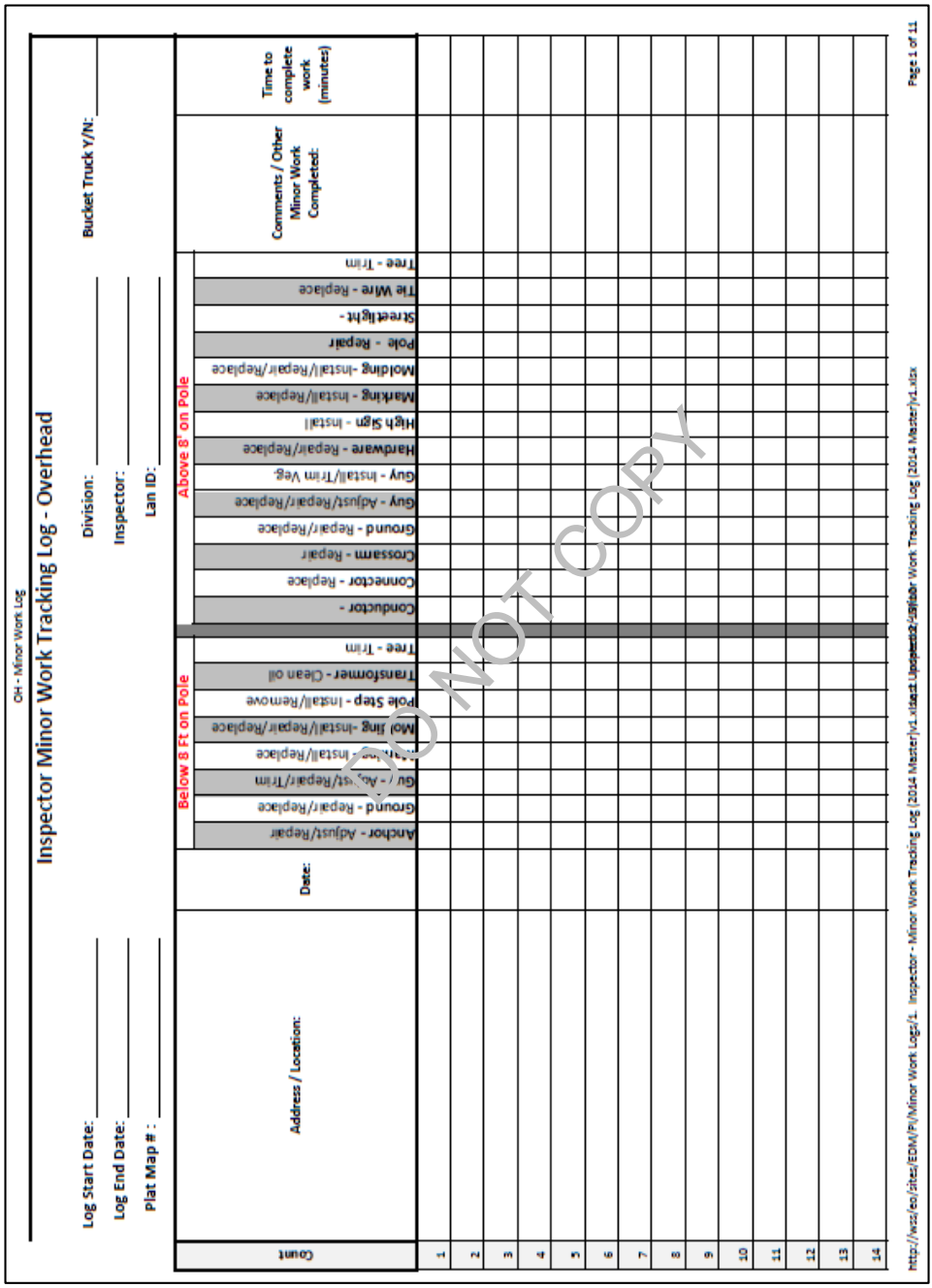
Work Location / Job Description	Clock Time Start / End times for all categories, including In-lieu meal, travel, rest period taken, etc...		Hrs	Absence/Attendance (NPR & OTD)	Work Reason (OT Code)	OT Reason	Wage Type (Prem Codes) CDLA, ASM	JOB *(Upgrade code)*	*OH Units*	*UG Units*	Activity Type (SAP Code for Budget)	Receiving Order / Cost Center (PM, Order # or PM Work Center)	Operation #
TOTAL HOURS													

DO NOT COPY

Notes: _____

Two Man Crew: Y / N Job Site Y / N Worked Through Lunch Y / N Lunch Start Time _____ Lunch End Time _____

4. Inspector Minor Work Tracking Log – Overhead



5. Inspector Minor Work Tracking Log – Underground

UG - Minor Work Log

Inspector Minor Work Tracking Log - Underground

Log Start Date: _____ Division: _____

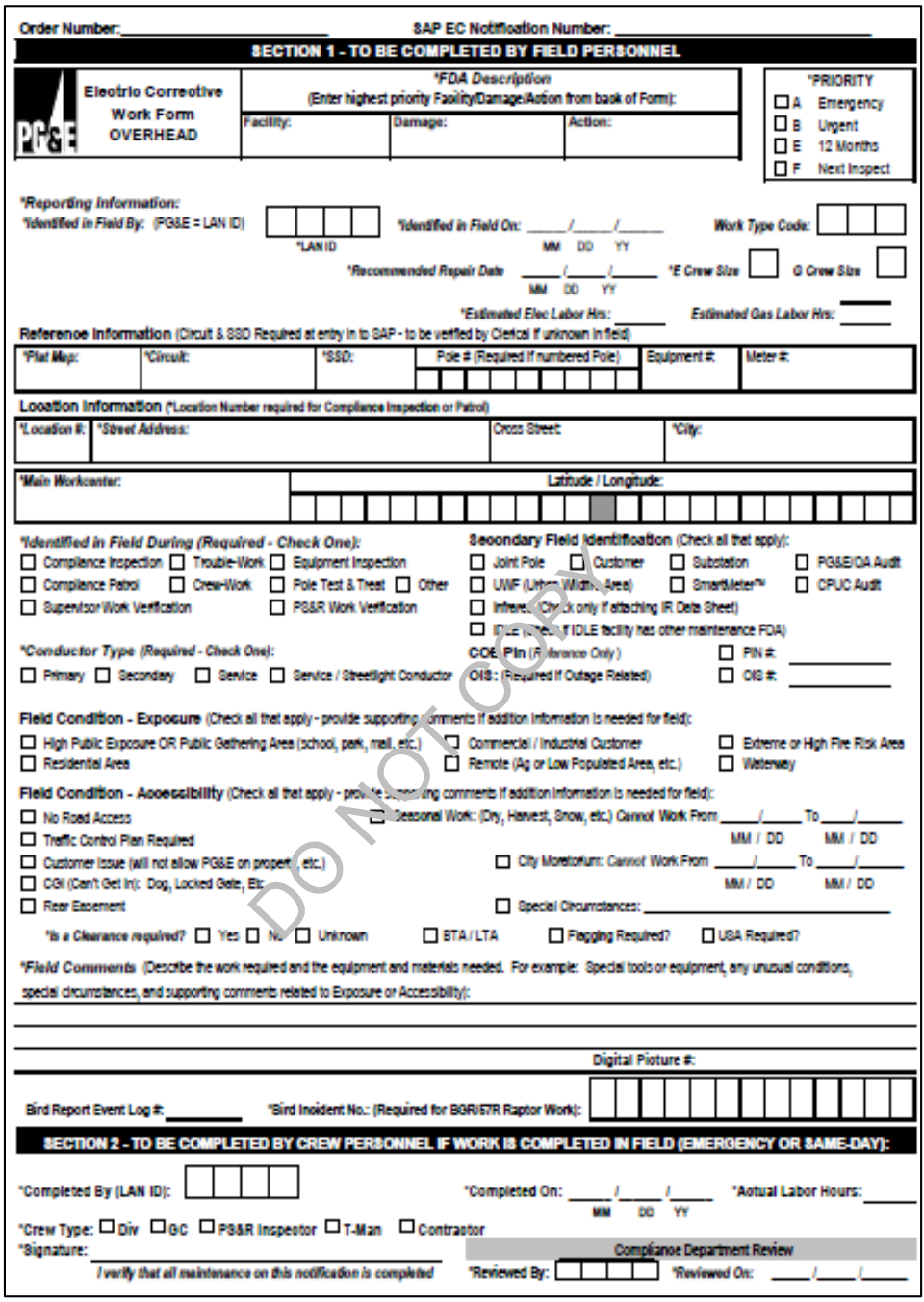
Log End Date: _____ Inspector: _____

Plat Map # : _____ Lan ID: _____

Count	Address / Location:	Date:	Elbow - Minor Repair/Capatinance Caps	Enclosure - Inspect/Trim	Enclosure - Locate/Remove	Grounds - Adjust	Hardware - Install/Repair/Replace	Lid / Frame - Repair/Adjust/Clean	Lid / Frame - Install/Replace	Marking - Install/Replace	Pedestal - Repair/Adjust	Security Lock - Install/Replace	Switch / J-Box - Clean/Remove	Transformer - Clean/Install/Repair/	Tree / Veg - Trim	Vault - Inspect/Locate/Repair/Pump	Comments / Other Minor Work Completed:	Time to complete work (minutes)
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

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6. Electric Corrective Work Form OVERHEAD



Order Number:_____ SAP EC Notification Number: _____

SECTION 1 - TO BE COMPLETED BY FIELD PERSONNEL

PG&E Electric Corrective Work Form OVERHEAD

*FDA Description (Enter highest priority Facility/Damage/Action from back of Form):
Facility: | Damage: | Action:

*PRIORITY
☐ A Emergency
☐ B Urgent
☐ E 12 Months
☐ F Next Inspect

*Reporting Information:
*Identified in Field By: (PG&E = LAN ID) ☐☐☐☐ *LAN ID
*Identified in Field On: ____/____/____ MM DD YY
Work Type Code: ☐☐☐
*Recommended Repair Date ____/____/____ MM DD YY
*E Crew Size ☐ G Crew Size ☐
*Estimated Elec Labor Hrs: ____ Estimated Gas Labor Hrs: ____

Reference Information (Circuit & SSD Required at entry in to SAP - to be verified by Clerical if unknown in field)

*Plat Map:	*Circuit:	*SSD:	Pole # (Required if numbered Pole)	Equipment #:	Meter #:

Location Information (*Location Number required for Compliance Inspection or Patrol)

*Location #:	*Street Address:	Cross Street:	*City:

*Main Workcenter: | Latitude / Longitude:

*Identified in Field During (Required - Check One):
☐ Compliance Inspection ☐ Trouble-Work ☐ Equipment Inspection
☐ Compliance Patrol ☐ Crew-Work ☐ Pole Test & Treat ☐ Other
☐ Supervisor Work Verification ☐ PS&R Work Verification

Secondary Field Identification (Check all that apply):
☐ Joint Pole ☐ Customer ☐ Substation ☐ PG&E/DA Audit
☐ UWF (Urban/Wildfire Area) ☐ SmartMeter™ ☐ CPUC Audit
☐ Infrared (Check only if attaching IR Data Sheet)
☐ IDLE (Check if IDLE facility has other maintenance FDA)

*Conductor Type (Required - Check One):
☐ Primary ☐ Secondary ☐ Service ☐ Service / Streetlight Conductor

COE Pin (Reference Only) ☐ PIN #: _____
OIS: (Required if Outage Related) ☐ OIS #: _____

Field Condition - Exposure (Check all that apply - provide supporting comments if addition information is needed for field):
☐ High Public Exposure OR Public Gathering Area (school, park, mall, etc.) ☐ Commercial / Industrial Customer ☐ Extreme or High Fire Risk Area
☐ Residential Area ☐ Remote (Ag or Low Populated Area, etc.) ☐ Waterway

Field Condition - Accessibility (Check all that apply - provide supporting comments if addition information is needed for field):
☐ No Road Access ☐ Seasonal Work: (Dry, Harvest, Snow, etc.) Cannot Work From ____/____ To ____/____ MM / DD MM / DD
☐ Traffic Control Plan Required
☐ Customer Issue (will not allow PG&E on property, etc.)
☐ City Moratorium: Cannot Work From ____/____ To ____/____ MM / DD MM / DD
☐ CGI (Can't Get In): Dog, Locked Gate, Etc
☐ Rear Easement ☐ Special Circumstances: _____

*Is a Clearance required? ☐ Yes ☐ No ☐ Unknown ☐ BTA / LTA ☐ Flagging Required? ☐ USA Required?

*Field Comments (Describe the work required and the equipment and materials needed. For example: Special tools or equipment, any unusual conditions, special circumstances, and supporting comments related to Exposure or Accessibility):

Digital Picture #:

Bird Report Event Log #: _____ *Bird Incident No.: (Required for BGR/STR Raptor Work): ☐☐☐☐☐☐☐☐☐☐☐☐

SECTION 2 - TO BE COMPLETED BY CREW PERSONNEL IF WORK IS COMPLETED IN FIELD (EMERGENCY OR SAME-DAY):

*Completed By (LAN ID): ☐☐☐☐ *Completed On: ____/____/____ MM DD YY *Actual Labor Hours: ____

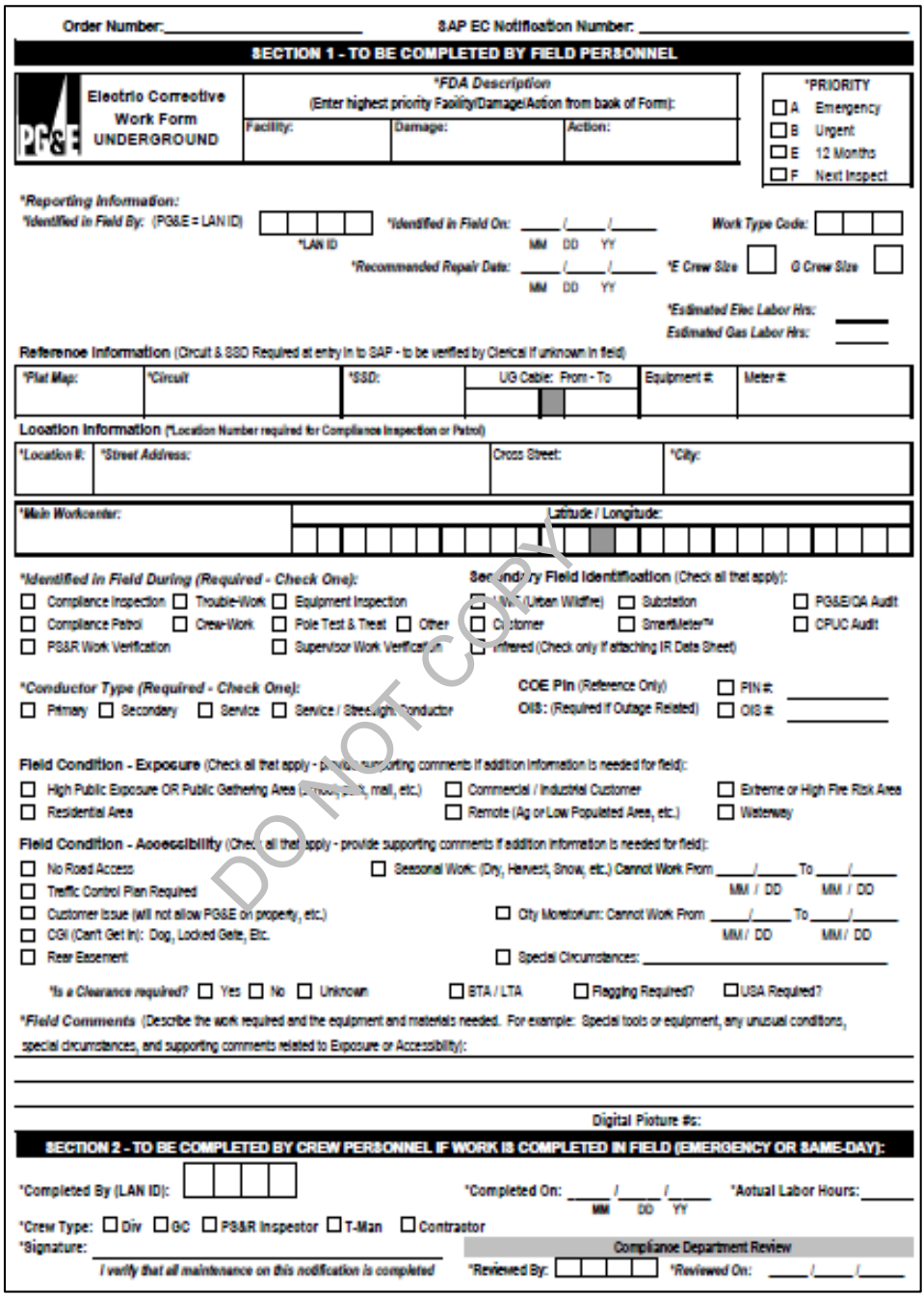
*Crew Type: ☐ Div ☐ GC ☐ PS&R Inspector ☐ T-Man ☐ Contractor

*Signature: _____ I verify that all maintenance on this notification is completed

Compliance Department Review
*Reviewed By: ☐☐☐☐ *Reviewed On: ____/____/____

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7. Electric Corrective Form UNDERGROUND



Order Number:_____ SAP EC Notification Number: _____

SECTION 1 - TO BE COMPLETED BY FIELD PERSONNEL

PG&E **Electric Corrective Work Form UNDERGROUND**

*FDA Description (Enter highest priority Facility/Damage/Action from back of Form):
Facility: | Damage: | Action:

*PRIORITY
- ☐ A Emergency
- ☐ B Urgent
- ☐ E 12 Months
- ☐ F Next Inspect

*Reporting Information:
*Identified in Field By: (PG&E = LAN ID) ☐☐☐☐ *LAN ID
*Identified in Field On: ____/____/____ MM DD YY
Work Type Code: ☐☐☐
*Recommended Repair Date: ____/____/____ MM DD YY
*E Crew Size ☐ G Crew Size ☐
*Estimated Elec Labor Hrs: ____
Estimated Gas Labor Hrs: ____

Reference Information (Circuit & SSD Required at entry in to SAP - to be verified by Clerical if unknown in field)

*Plat Map:	*Circuit	*SSD:	UG Cable: From - To	Equipment #:	Meter #:

Location Information (*Location Number required for Compliance Inspection or Patrol)

*Location #:	*Street Address:	Cross Street:	*City:

*Main Workcenter:	Latitude / Longitude:

*Identified in Field During (Required - Check One):
- ☐ Compliance Inspection
- ☐ Compliance Patrol
- ☐ PS&R Work Verification
- ☐ Trouble-Work
- ☐ Crew-Work
- ☐ Supervisor Work Verification
- ☐ Equipment Inspection
- ☐ Pole Test & Treat
- ☐ Other

Secondary Field Identification (Check all that apply):
- ☐ WMP (Urban Wildfire)
- ☐ Substation
- ☐ PG&E/QA Audit
- ☐ Customer
- ☐ SmartMeter™
- ☐ CPUC Audit
- ☐ Infrared (Check only if attaching IR Data Sheet)

*Conductor Type (Required - Check One):
☐ Primary ☐ Secondary ☐ Service ☐ Service / Streetlight Conductor

COE Pin (Reference Only) ☐ PIN #: _____
OIS: (Required if Outage Related) ☐ OIS #: _____

Field Condition - Exposure (Check all that apply - provide supporting comments if addition information is needed for field):
- ☐ High Public Exposure OR Public Gathering Area (school, park, mall, etc.)
- ☐ Residential Area
- ☐ Commercial / Industrial Customer
- ☐ Remote (Ag or Low Populated Area, etc.)
- ☐ Extreme or High Fire Risk Area
- ☐ Waterway

Field Condition - Accessibility (Check all that apply - provide supporting comments if addition information is needed for field):
- ☐ No Road Access
- ☐ Traffic Control Plan Required
- ☐ Customer Issue (will not allow PG&E on property, etc.)
- ☐ Cgi (Can't Get In): Dog, Locked Gate, Etc.
- ☐ Rear Easement
- ☐ Seasonal Work: (Dry, Harvest, Snow, etc.) Cannot Work From ____/____ To ____/____ MM / DD MM / DD
- ☐ City Moratorium: Cannot Work From ____/____ To ____/____ MM / DD MM / DD
- ☐ Special Circumstances: _____

*Is a Clearance required? ☐ Yes ☐ No ☐ Unknown ☐ BTA / LTA ☐ Flagging Required? ☐ USA Required?

*Field Comments (Describe the work required and the equipment and materials needed. For example: Special tools or equipment, any unusual conditions, special circumstances, and supporting comments related to Exposure or Accessibility):

Digital Picture #s:

SECTION 2 - TO BE COMPLETED BY CREW PERSONNEL IF WORK IS COMPLETED IN FIELD (EMERGENCY OR SAME-DAY):

*Completed By (LAN ID): ☐☐☐☐
*Completed On: ____/____/____ MM DD YY
*Actual Labor Hours: ____
*Crew Type: ☐ Div ☐ GC ☐ PS&R Inspector ☐ T-Man ☐ Contractor
*Signature: _____
I verify that all maintenance on this notification is completed

Compliance Department Review
*Reviewed By: ☐☐☐☐ *Reviewed On: ____/____/____

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Pacific Gas and Electric Company

Patrol/Inspection Map Correction Form

Mapping Support
03/2013
TD-9001P-01-F01

Inspector Name: _____

Check One: ☐ OH ☐ UG Check One: ☐ Patrol ☐ Inspection Date Pat/Insp: _____

Electric Map Number: _____ Sub[1]: _____ Circuit[1]: _____

Dept.: Compliance Dept. Dept. Ref. Number: _____ Number of Location(s): ____ (See Attached Copy of Electric Map)

Loc#	Location	Check All that Apply:								Other (Describe)
		Wrong Size/Type of Equipment (e.g., transformer, line equipment, valve)	**Wrong Size/Type of Conductor, Cable, Main, Service** (i.e., pipes and wires)	**Facilities Shown in Wrong Location** (e.g., wrong distance or dimension from P/L)	**Wrong Size/Type of Support Structure or Enclosure** (e.g., pole, guy, box, conduit)	**Wrong Text Information on Map** (not associated with any symbol)	**Land Base / Discrepancy** (e.g., street or property lines don't match)	**Facilities with Incorrect Number** (e.g., wrong equipment number, circuit number)	**Facilities Added or Removed**	
		☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	

[1] Not required, but provide information if available.

Received by Mapping: _____ *Mapping Use Only:* PM # _____

Action Taken: _____ Completed By/Date: _____/_____

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9. Third Party Non-Utility Notification

Pacific Gas and Electric Company

TD-20158-F01 (B2-3448)
Rev. 03/15
Electric Distribution Standards

THIRD-PARTY NON-UTILITY
NOTIFICATION OF NONCONFORMANCE

PG&E Reference: *(See Note 9 of Instructions)*: _____
PM #: _____ (if applicable to bill Third Party)

The following condition(s) were identified by PG&E during the normal course of business. These condition(s) have been found to negatively impact safety, reliability, asset life, or creates a nonconformance condition on or near PG&E electric facilities.

To:	Date Issued:
Address:	Phone No.:
Location of PG&E Facilities, Including City:	Map No.:
	Pole/Equip No.:

OVERHEAD CONDITIONS — Joint Pole? Yes ☐ No ☐

- ☐ Obstructed Climbing Space at Third-Party Level
- ☐ Unauthorized Attachment on Pole by Third Party
- ☐ Damaged Overhead Facilities
- ☐ Modification of Utility Facilities (Anchor/Guy removed, etc.)
- ☐ Vegetation Hazard, Requires Clearing
- ☐ Grade Modified (Affects Clearance, Setting Depth, etc.)
- ☐ Conductor Clearance Above Ground
- ☐ Other ( )

UNDERGROUND CONDITIONS

- ☐ Inadequate Clearance for Accessibility
- ☐ Grade Modified
- ☐ Vegetation Hazard, Requires Clearing
- ☐ Encroachments
- ☐ Damaged Equipment
- ☐ Other ( )

Remark _____

Originator's Name:	Department:	LAN ID:
Title:	Telephone Number:	

CORRECTIVE ACTION

BY PG&E	BY THIRD PARTY	
☐ First Notice Issued On	**Please respond to PG&E within 30 days indicating that you have corrected the condition(s) or the date that the condition(s) will be corrected.**	
☐ Second Notice Issued On		
☐ Severe hazard remedied by PG&E per referenced PM# and actual cost of this work will be billed to you.	☐ Condition(s) Corrected On	
Sent By (Print Name):	☐ Condition(s) Will Be Corrected By	
Title: Public Safety & Regulatory Supervisor (PS&R)	Form Returned By (Print Name):	
Telephone Number:	Date:	Telephone No.:
Address (Street, City, Zip):	**NOTIFICATION CLOSED BY PG&E**	
	By:	
	Title:	Date:

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10. Third Party Utility Notification

Pacific Gas and Electric Company

TD-20148-F01 (82-3447)
Rev. 10/14
Electric Distribution Standards

THIRD-PARTY UTILITY
NOTIFICATION OF THIRD-PARTY CAUSED CONDITIONS

PG&E Reference #: (Instruction #3): _____ PM# _____ (If applicable to bill 3rd Party)

The following condition(s) were identified by PG&E during the normal course of business. These condition(s) have been found to negatively impact safety, reliability, or asset life of PG&E electric facilities.

3rd Party Utility Equipment Description: CATV ☐ Telephone ☐ 3rd Party Utility Name: Address:	
Location of PG&E Facilities, Including City:	Distribution ☐ Transmission ☐ Division Name:
Date Condition Identified:	Map Functional Location:
Pole/Equip No.:	Immediate Response Condition Yes ☐ No ☐
Longitude _____ Latitude _____	Extreme or Very High Fire Threat Yes ☐ No ☐ (LP Div only)
Joint Pole? Yes ☐ No ☐	Significant Safety Risk to a Utility Employee Yes ☐ No ☐

OVERHEAD CONDITIONS

☐	1. Suspect Loading 3rd Party – Poles or Anchors	☐	9. Pole Caps Not Installed by 3rd Party Utility on Joint Use Pole
☐	2. Insufficient Ground Clearance Over Roads or Railroads	☐	10. Unauthorized Attachment on Pole by 3rd Party Utility
☐	3. Unbalanced Strain/Sags, Slack, Missing, or Improper Down Guy	☐	11. Deteriorated 3rd Party Crossarm
☐	4. Safety Hazard Caused by Vegetation	☐	12. Loose Hardware
☐	5. Reduced Clearance from Supply Line at Mid-Span	☐	13. Riser: Loose or Not Suitably Covered
☐	6. Dangling, Lashing Wire	☐	14. Other:
☐	7. Messenger Strain (mechanical or thermal caused)	☐	15. Other:
☐	8. Obstructed Climbing Space at 3rd Party Level	☐	

UNDERGROUND CONDITIONS

☐	Inadequate Clearance for Accessibility	☐	Clearance Between Two or More Systems
☐	Encroachments	☐	Other ( )

QCR Lan ID:	Documents Submitted to RMC: ☐
Approved by Supervisor/Designee Lan ID:	Supervisor's Contact #:
Comments:	

BY PG&E **CORRECTIVE ACTION** **BY 3RD PARTY**

☐ Date 1st Notice Sent: _____ ☐ Date 2nd Notice Sent: _____ ☐ Date 3rd Notice Sent: _____ ☐ Severe hazard remedied by PG&E and actual cost of this work will be billed to you.	Condition(s) have been corrected ☐Yes ☐No Condition(s) will be corrected ☐Yes ☐No No action required ☐ (please describe below) _____
Sent By: PG&E Sacramento Compliance RMC Contact #:	Send Response to: ThirdPartyNotice@pge.com Form Returned By (Print Name & Title): Sent by: Date Sent: Contact #:

If any of the Conditions 1 through 7 are checked in conjunction with *Extreme or Very High Fire Threat* or *Significant Safety Risk to a Utility Employee*, then the condition must be corrected by the date below (30 days from date notification sent to 3rd Party Utility). *Due Date:* _____

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11. Idle Facility Form

Order #: _____ SAP IF Notification #: _____ Form TD-24585-F01 Rev. 8/13

TO BE COMPLETED BY FIELD PERSONNEL

Idle Facility (IF) Investigation Work Form

OH / UG	Facility	Damage / Action	Transformer Information
OH ☐	Conductor ☐	Damage: Idle Facility	For Transformers Only: Blue Sticker? ☐ Yes ☐ No
UG ☐	Pole ☐	Action: Monitor	Transformer-Type: ☐ OH ☐ PM ☐ SS
	OH Facility ☐		
	Transformer ☐		
	UG Facility ☐		

*Reporting Information:

*Identified in Field By: (PG&E = LAN ID) ☐☐☐☐ *LAN ID

*Identified in Field On: ____/____/____ MM DD YY

*Idle Facility Priority ☐ High ☐ Medium ☐ Low

_____ If Contractor: Enter Last Name, First Name

*Service Planning Investigation Due Date: ____/____/____ MM DD YY

Reference Information (Circuit & SSD Required at entry in to SAP - to be verified by Clerical if unknown in field)

*Plat Map:	*Circuit:	*SSD:	Pole # (Required if numbered Pole)	Equipment #:	Meter #:

Location Information (*Location Number required for Compliance Inspection or Patrol)

*Location #:	*Street Address:	Cross Street:	*City:

*Main Workcenter: _____ Latitude / Longitude: _____

*Identified in Field During (Required - Check One):

☐ Compliance Inspection ☐ Compliance Patrol ☐ Equipment Inspection ☑ Other

Secondary Field Identification (Check all that apply):

☐ Joint Pole

*Conductor Type (Required - Check One): ☐ Primary ☑ Secondary ☐ Service

☐ UWF (Urban Wildfire Area)

If a facility is found energized and any of the boxed Field Conditions below are checked, write 2 tags as follows:

1) OH EC Notification to de-energize, Priority E, with a 72-hour duration
2) Idle Facility Work Form for Investigation

Check All Field Conditions That Apply:

☐ Safety conditions where de-energizing is needed to mitigate hazard
☐ Idle Facilities in raptor conentration zones with suitable habitat to support threatened or endangered raptors
☐ All Primary tap lines are identified on line and are un-fused
☐ Potential use for agricultural pumps or vacant building
☐ Future work required to maintain existing idle facility EC Notification #: _____
☐ Modesto Irrigation District Service Area

Temporarily Out of Service (TOS) and Temporary Idle Facility (TIF):

☐ Potential agricultural use : ☐ (TOS-AG) If de-energized or ☐ (TIF-AG) If energized
☐ Potential service to an existing (vacant) building: ☐ (TOS-V) If de-energized or ☐ (TIF-V) If energized

If facility is oil filled, check all field conditions that apply:

☐ Surface or ground waters
☐ Sewers or sewage treatment systems
☐ Day-care centers or schools
☐ Grazing lands, agriculture areas or vegetable gardens
☐ Private or public water sources or distribution systems

☐ None of the above conditions apply

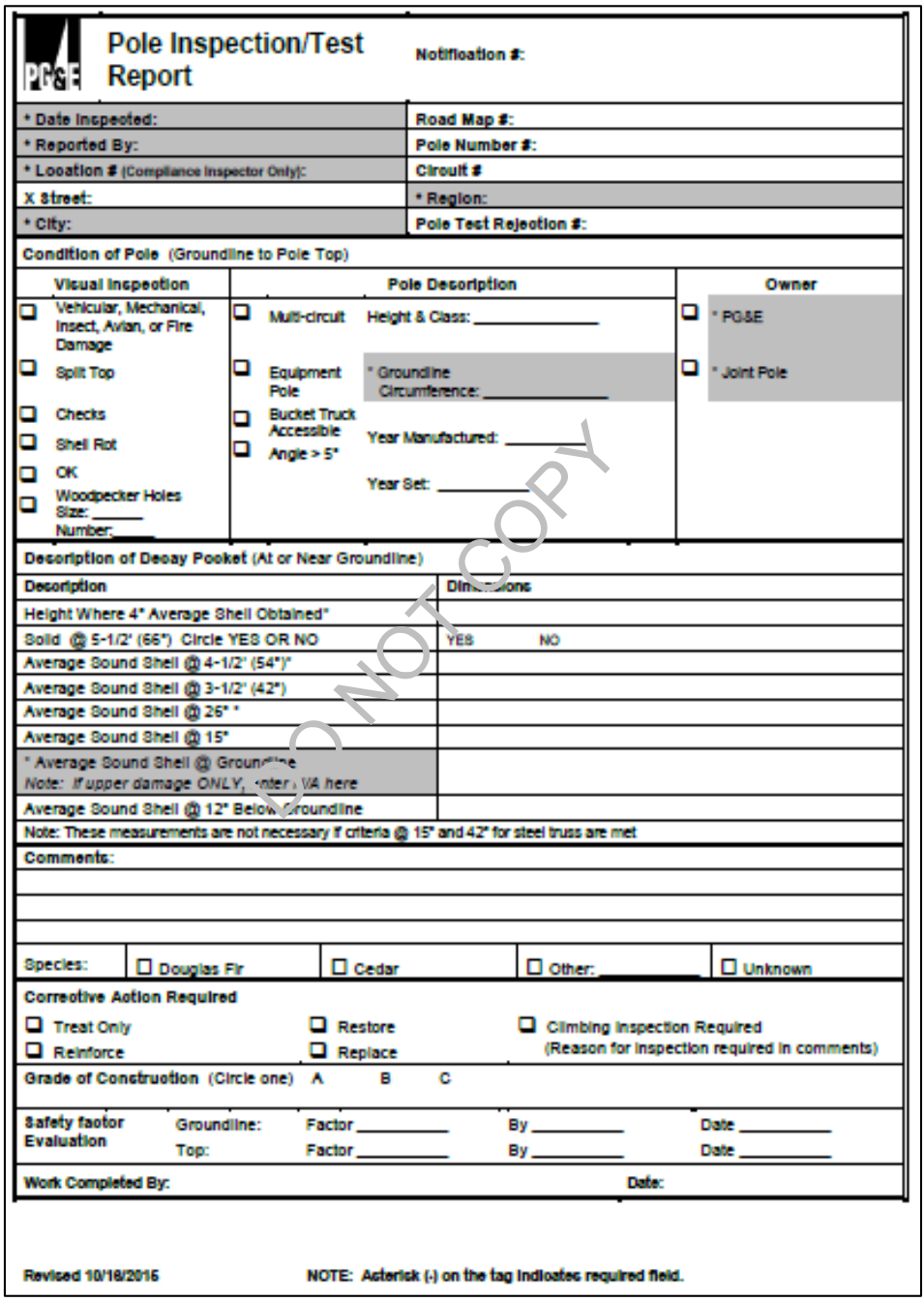
*Field Comments:

Compliance Department Review

Signature: _____ *Reviewed By: ☐☐☐☐ *Reviewed On: ____/____/____ MM DD YY

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12. Pole Inspection/Test Report



Pole Inspection/Test Report

Notification #:

* Date Inspected:	Road Map #:
* Reported By:	Pole Number #:
* Location # (Compliance Inspector Only):	Circuit #
X Street:	* Region:
* City:	Pole Test Rejection #:

Condition of Pole (Groundline to Pole Top)

Visual Inspection	Pole Description	Owner
☐ Vehicular, Mechanical, Insect, Avian, or Fire Damage	☐ Multi-circuit Height & Class: _____	☐ * PG&E
☐ Split Top	☐ Equipment Pole * Groundline Circumference: _____	☐ * Joint Pole
☐ Checks	☐ Bucket Truck Accessible	
☐ Shell Rot	☐ Angle > 5° Year Manufactured: _____	
☐ OK	Year Set: _____	
☐ Woodpecker Holes Size: _____ Number: _____		

Description of Decay Pocket (At or Near Groundline)

Description	Dimensions
Height Where 4" Average Shell Obtained"	
Solid @ 5-1/2' (66") Circle YES OR NO	YES NO
Average Sound Shell @ 4-1/2' (54")"	
Average Sound Shell @ 3-1/2' (42")	
Average Sound Shell @ 26" "	
Average Sound Shell @ 15"	
* Average Sound Shell @ Groundline *Note: If upper damage ONLY, enter NA here*	
Average Sound Shell @ 12" Below Groundline	

Note: These measurements are not necessary if criteria @ 15" and 42" for steel truss are met

Comments:

Species: ☐ Douglas Fir ☐ Cedar ☐ Other: _____ ☐ Unknown

Corrective Action Required

☐ Treat Only ☐ Restore ☐ Climbing Inspection Required
☐ Reinforce ☐ Replace (Reason for inspection required in comments)

Grade of Construction (Circle one) A B C

Safety factor Evaluation

Groundline: Factor _____ By _____ Date _____
Top: Factor _____ By _____ Date _____

Work Completed By: Date:

Revised 10/16/2015

NOTE: Asterisk (*) on the tag indicates required field.

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13. Infrared Data Sheet

Pacific Gas and Electric Company

INFRARED DATA SHEET
(Attach to EC-Oh or EC-UG)

TD-2022P-01-F02
12/2013

Location #:_____
(match location to EC Form, Inspection Log, & Map)

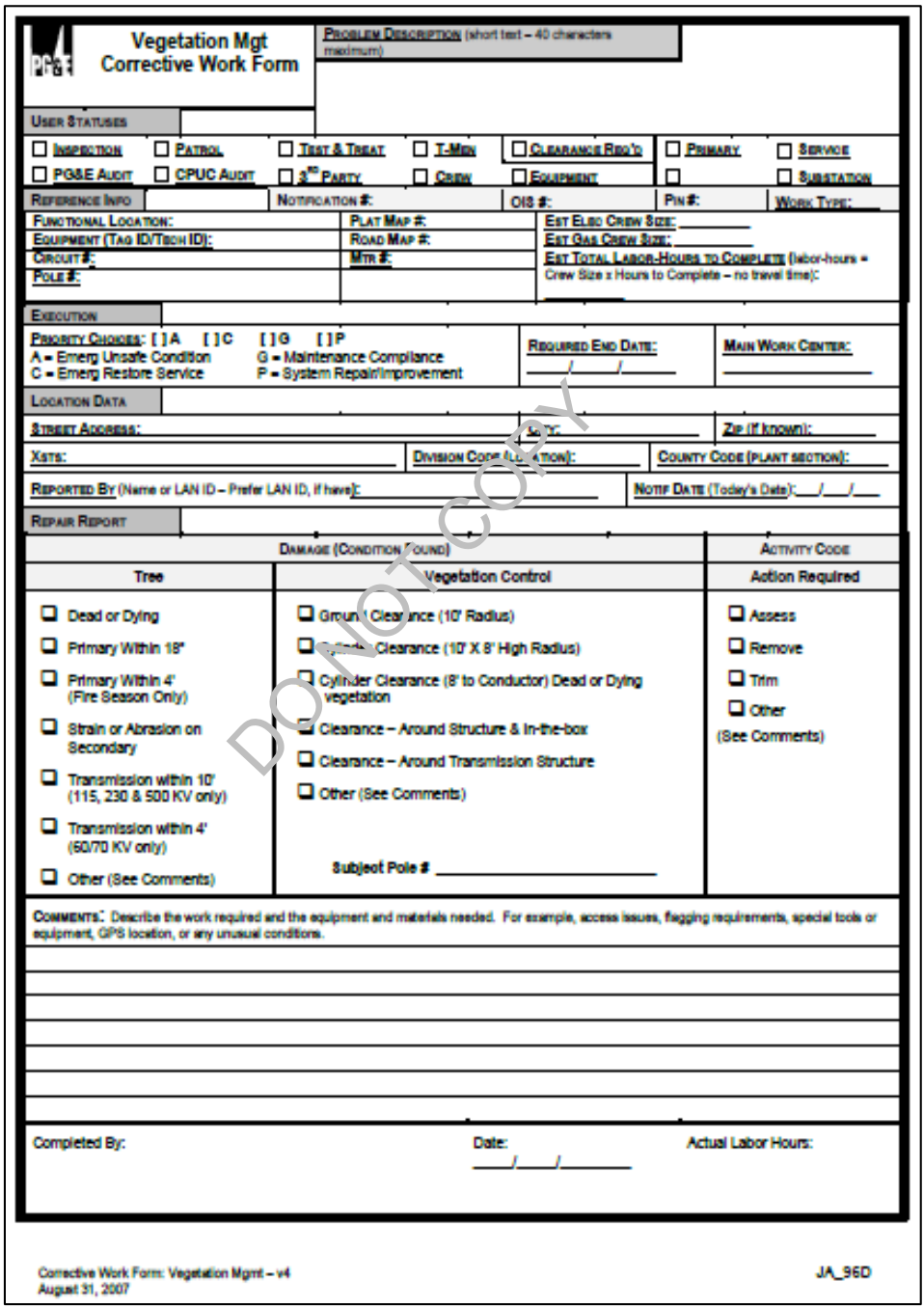
Catalog Codes		Characteristics	
Object Part (Facility Type)		IR Readings (Farenheit)	Weather
☐ Overhead	☐ Underground	Emit:_____	☐ Cloudy
☐ Connector/Splice-General	☐ Pothead	Ambient Temp:_____	
☐ Connector-PG	☐ Stresscone	Component Temp:_____	☐ Clear
☐ Connector-Kierney	☐ Elbow	Adjacent Component Temp:_____	
☐ Connector-Wedge Fined	☐ Cable	Temp Rise:_____	☐ Foggy
☐ Connector-AB Chance Clamp	☐ Splice-Bump Sleeve	Component Load Amps:_____	
☐ Splice-Insulink	☐ Switch	Image Information	☐ Windy
☐ Splice-Press Sleeve	☐ Transformer	Disk Picture#/Image#:___	
☐ Splice-Armor Rod	☐ Clamp		☐

Insert Image Here or Attach Image:

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NOTE: Use EC Notification to Document IR Conditions.

14. Vegetation Mgt Notification



Vegetation Mgt Corrective Work Form

Problem Description (short text – 40 characters maximum)

User Statuses

☐ Inspection ☐ Patrol ☐ Test & Treat ☐ T-Men ☐ Clearance Req'd ☐ Primary ☐ Service
☐ PG&E Audit ☐ CPUC Audit ☐ 3rd Party ☐ Crew ☐ Equipment ☐ ☐ Substation

Reference Info | Notification #: | OIS #: | PIN #: | Work Type:

Functional Location: | Plat Map #: | Est Elec Crew Size: _____
Equipment (Tag ID/Tech ID): | Road Map #: | Est Gas Crew Size: _____
Circuit #: | Mtr #: | Est Total Labor-Hours to Complete (labor-hours = Crew Size x Hours to Complete – no travel time):
Pole #:

Execution

Priority Choices: [ ] A [ ] C [ ] G [ ] P
A = Emerg Unsafe Condition G = Maintenance Compliance
C = Emerg Restore Service P = System Repair/Improvement

Required End Date: ___/___/___ | Main Work Center:

Location Data

Street Address: | City: | Zip (if known):
Xsts: | Division Code (Location): | County Code (plant section):
Reported By (Name or LAN ID – Prefer LAN ID, if have): | Notif Date (Today's Date): ___/___/___

Repair Report

Damage (Condition Found) | Activity Code

Tree	Vegetation Control	Action Required
☐ Dead or Dying	☐ Ground Clearance (10' Radius)	☐ Assess
☐ Primary Within 18"	☐ Ground Clearance (10' X 8' High Radius)	☐ Remove
☐ Primary Within 4' (Fire Season Only)	☐ Cylinder Clearance (8' to Conductor) Dead or Dying vegetation	☐ Trim
☐ Strain or Abrasion on Secondary	☐ Clearance – Around Structure & In-the-box	☐ Other (See Comments)
☐ Transmission within 10' (115, 230 & 500 KV only)	☐ Clearance – Around Transmission Structure	
☐ Transmission within 4' (60/70 KV only)	☐ Other (See Comments)	
☐ Other (See Comments)	Subject Pole # _____	

Comments: Describe the work required and the equipment and materials needed. For example, access issues, flagging requirements, special tools or equipment, GPS location, or any unusual conditions.

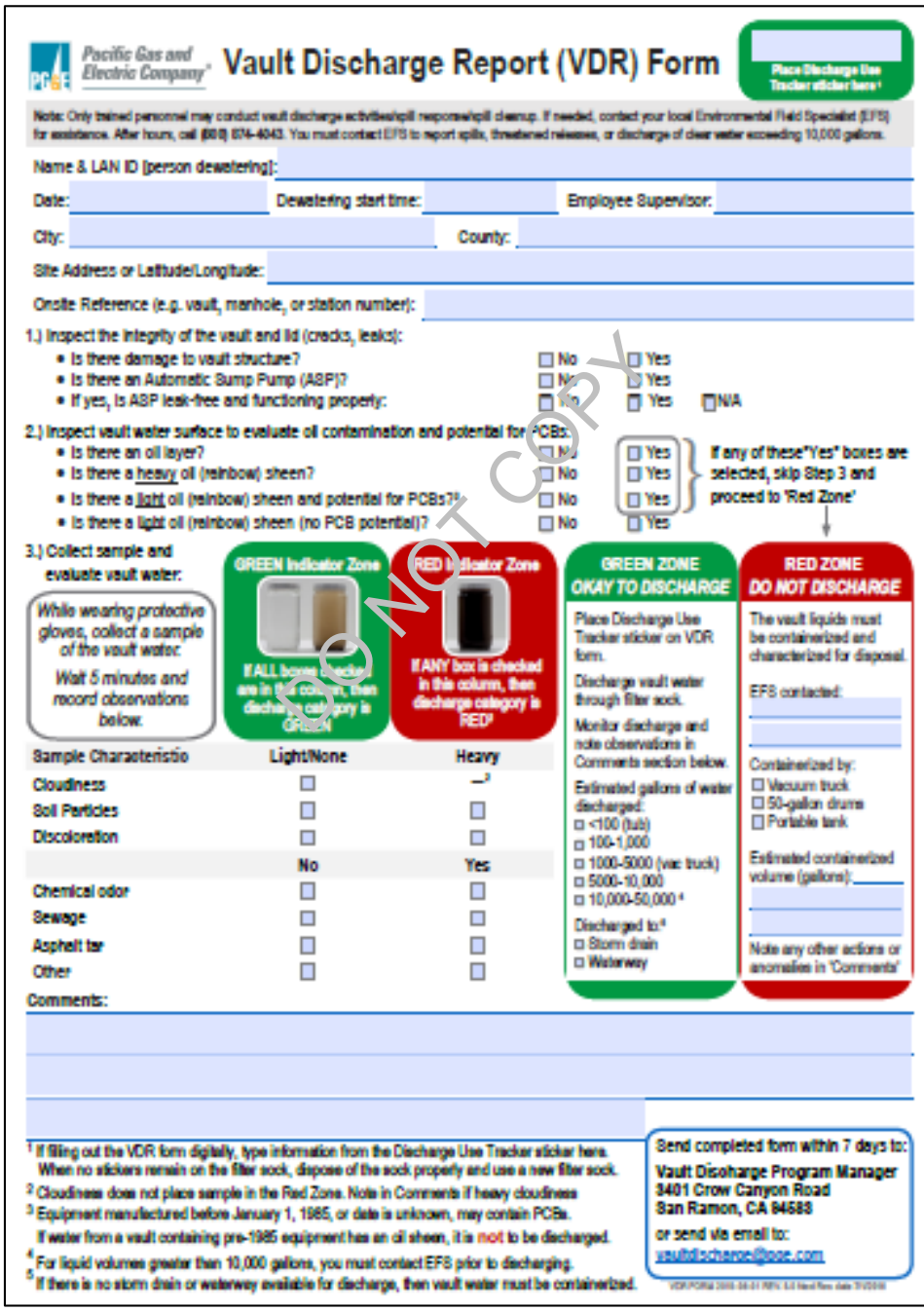
Completed By: Date: ___/___/_____ Actual Labor Hours:

Corrective Work Form: Vegetation Mgmt – v4
August 31, 2007

JA_96D

DO NOT COPY

15. Vault Discharge Report (VDR) Form



Pacific Gas and Electric Company

Vault Discharge Report (VDR) Form

Place Discharge Use Tracker sticker here[1]

Note: Only trained personnel may conduct vault discharge activities/spill response/spill cleanup. If needed, contact your local Environmental Field Specialist (EFS) for assistance. After hours, call (800) 674-4043. You must contact EFS to report spills, threatened releases, or discharge of clear water exceeding 10,000 gallons.

Name & LAN ID [person dewatering]:

Date: Dewatering start time: Employee Supervisor:

City: County:

Site Address or Latitude/Longitude:

Onsite Reference (e.g. vault, manhole, or station number):

1.) Inspect the integrity of the vault and lid (cracks, leaks):

- Is there damage to vault structure? ☐ No ☐ Yes
- Is there an Automatic Sump Pump (ASP)? ☐ No ☐ Yes
- If yes, is ASP leak-free and functioning properly: ☐ No ☐ Yes ☐ N/A

2.) Inspect vault water surface to evaluate oil contamination and potential for PCBs:

- Is there an oil layer? ☐ No ☐ Yes
- Is there a heavy oil (rainbow) sheen? ☐ No ☐ Yes
- Is there a light oil (rainbow) sheen and potential for PCBs?[3] ☐ No ☐ Yes
- Is there a light oil (rainbow) sheen (no PCB potential)? ☐ No ☐ Yes

If any of these "Yes" boxes are selected, skip Step 3 and proceed to 'Red Zone'

3.) Collect sample and evaluate vault water:

While wearing protective gloves, collect a sample of the vault water.

Wait 5 minutes and record observations below.

GREEN Indicator Zone

If ALL boxes checked are in this column, then discharge category is GREEN

RED Indicator Zone

If ANY box is checked in this column, then discharge category is RED

Sample Characteristic	Light/None	Heavy
Cloudiness	☐	—[2]
Soil Particles	☐	☐
Discoloration	☐	☐
	No	Yes
Chemical odor	☐	☐
Sewage	☐	☐
Asphalt tar	☐	☐
Other	☐	☐

GREEN ZONE
OKAY TO DISCHARGE

Place Discharge Use Tracker sticker on VDR form.

Discharge vault water through filter sock.

Monitor discharge and note observations in Comments section below.

Estimated gallons of water discharged:
- ☐ <100 (tub)
- ☐ 100-1,000
- ☐ 1000-5000 (vac truck)
- ☐ 5000-10,000
- ☐ 10,000-50,000[4]

Discharged to:[5]
- ☐ Storm drain
- ☐ Waterway

RED ZONE
DO NOT DISCHARGE

The vault liquids must be containerized and characterized for disposal.

EFS contacted:

Containerized by:
- ☐ Vacuum truck
- ☐ 50-gallon drums
- ☐ Portable tank

Estimated containerized volume (gallons):

Note any other actions or anomalies in 'Comments'

Comments:

[1] If filling out the VDR form digitally, type information from the Discharge Use Tracker sticker here. When no stickers remain on the filter sock, dispose of the sock properly and use a new filter sock.

[2] Cloudiness does not place sample in the Red Zone. Note in Comments if heavy cloudiness

[3] Equipment manufactured before January 1, 1985, or date is unknown, may contain PCBs. If water from a vault containing pre-1985 equipment has an oil sheen, it is not to be discharged.

[4] For liquid volumes greater than 10,000 gallons, you must contact EFS prior to discharging.

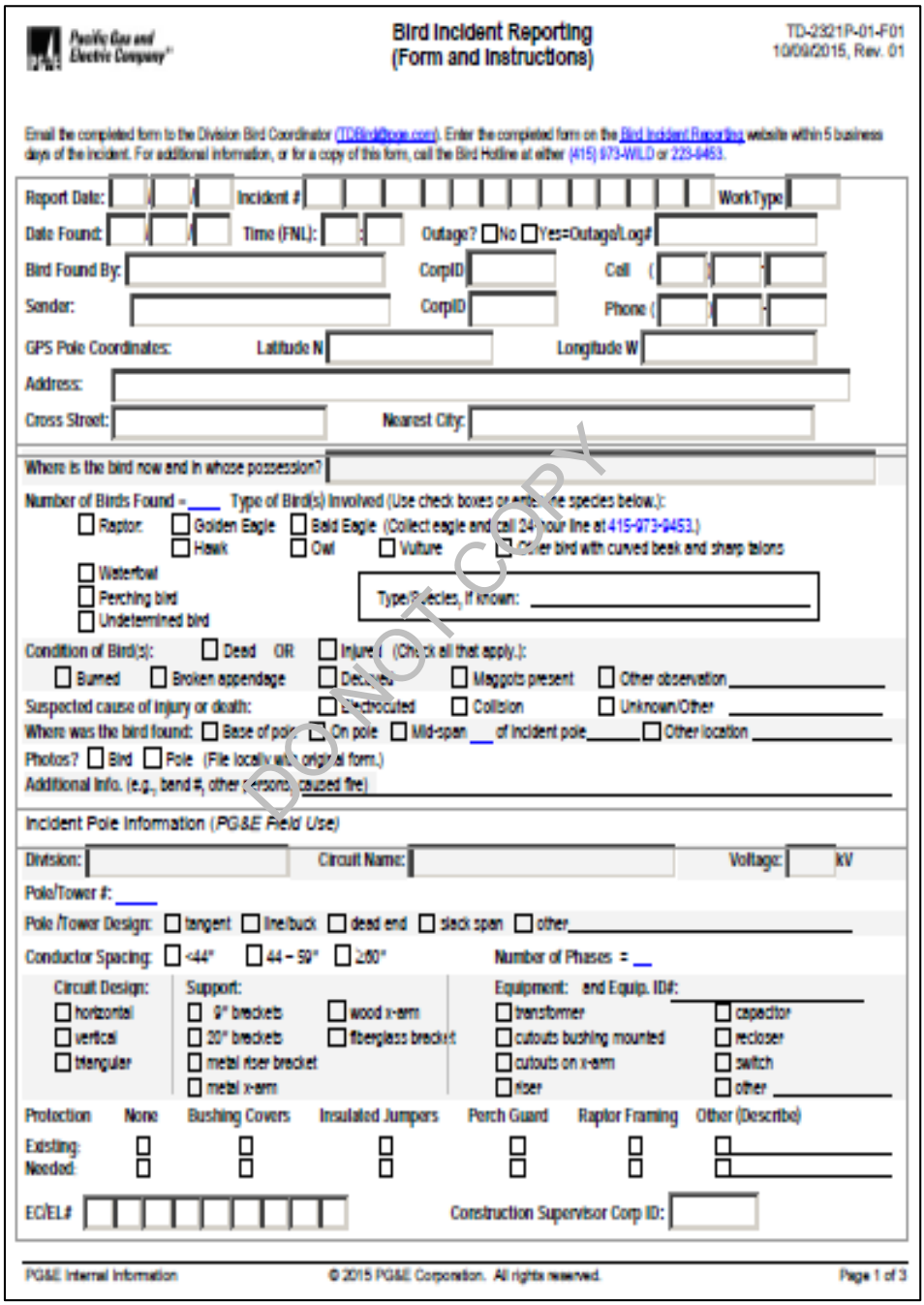
[5] If there is no storm drain or waterway available for discharge, then vault water must be containerized.

Send completed form within 7 days to:
Vault Discharge Program Manager
3401 Crow Canyon Road
San Ramon, CA 94583
or send via email to:
vaultdischarge@pge.com

VDR/PGE4 2015-04-01 REV. 3.0 Next Rev. date 7/1/2018

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16. Bird Incident Form



Pacific Gas and Electric Company

Bird Incident Reporting (Form and Instructions)

TD-2321P-01-F01
10/09/2015, Rev. 01

Email the completed form to the Division Bird Coordinator (TDBird@pge.com). Enter the completed form on the Bird Incident Reporting website within 5 business days of the incident. For additional information, or for a copy of this form, call the Bird Hotline at either (415) 973-WILD or 223-9453.

Report Date: ___/___/___ Incident #: _____ WorkType: ____

Date Found: ___/___/___ Time (FNL): ___:___ Outage? ☐ No ☐ Yes=Outage/Log#: _____

Bird Found By: _____ CorpID: _____ Cell: (___) ___-____

Sender: _____ CorpID: _____ Phone: (___) ___-____

GPS Pole Coordinates: Latitude N: _____ Longitude W: _____

Address: _____

Cross Street: _____ Nearest City: _____

Where is the bird now and in whose possession? _____

Number of Birds Found = ____ Type of Bird(s) Involved (Use check boxes or enter species below.):

☐ Raptor: ☐ Golden Eagle ☐ Bald Eagle (Collect eagle and call 24-hour line at 415-973-9453.)
☐ Hawk ☐ Owl ☐ Vulture ☐ Other bird with curved beak and sharp talons

☐ Waterfowl
☐ Perching bird
☐ Undetermined bird

Type/Species, if known: _____

Condition of Bird(s): ☐ Dead OR ☐ Injured (Check all that apply.):
☐ Burned ☐ Broken appendage ☐ Decayed ☐ Maggots present ☐ Other observation _____

Suspected cause of injury or death: ☐ Electrocuted ☐ Collision ☐ Unknown/Other _____

Where was the bird found: ☐ Base of pole ☐ On pole ☐ Mid-span ___ of incident pole ____ ☐ Other location _____

Photos? ☐ Bird ☐ Pole (File locally with original form.)

Additional Info. (e.g., band #, other casualties caused fire) _____

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Incident Pole Information *(PG&E Field Use)*

Division: _____ Circuit Name: _____ Voltage: ____ kV

Pole/Tower #: ____

Pole /Tower Design: ☐ tangent ☐ line/buck ☐ dead end ☐ slack span ☐ other _____

Conductor Spacing: ☐ <44" ☐ 44 – 59" ☐ ≥60" Number of Phases = ___

Circuit Design:	Support:		Equipment: and Equip. ID#:	
☐ horizontal	☐ 9" brackets	☐ wood x-arm	☐ transformer	☐ capacitor
☐ vertical	☐ 20" brackets	☐ fiberglass bracket	☐ cutouts bushing mounted	☐ recloser
☐ triangular	☐ metal riser bracket		☐ cutouts on x-arm	☐ switch
	☐ metal x-arm		☐ riser	☐ other _____

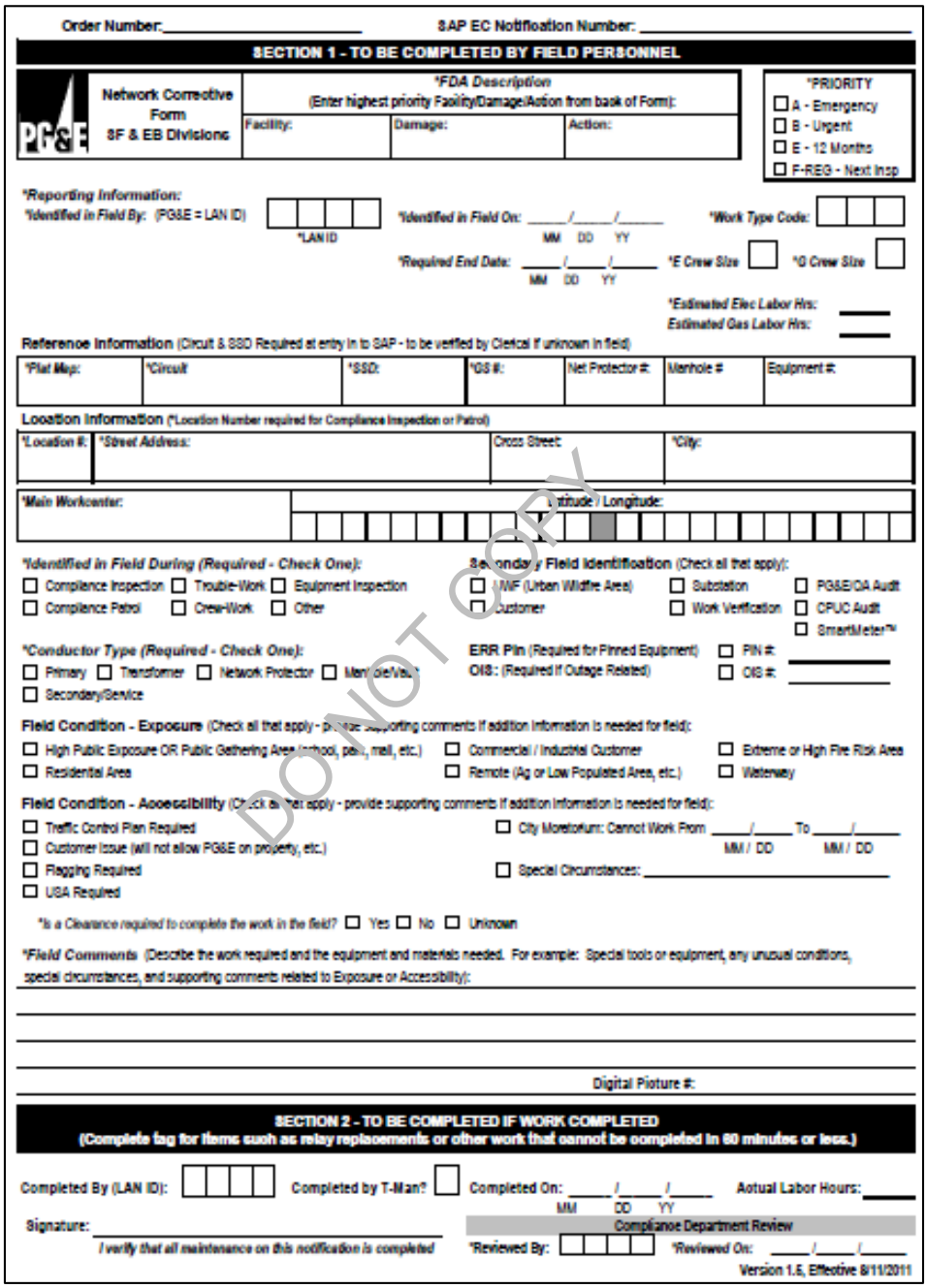
Protection	None	Bushing Covers	Insulated Jumpers	Perch Guard	Raptor Framing	Other (Describe)
Existing:	☐	☐	☐	☐	☐	☐ _____
Needed:	☐	☐	☐	☐	☐	☐ _____

EC/EL#: _____ Construction Supervisor Corp ID: _____

PG&E Internal Information

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17. Network Corrective forms (SF & EB Divisions)



Order Number:_____ SAP EC Notification Number: _____

SECTION 1 - TO BE COMPLETED BY FIELD PERSONNEL

PG&E | Network Corrective Form SF & EB Divisions

*FDA Description (Enter highest priority Facility/Damage/Action from back of Form):
Facility: | Damage: | Action:

*PRIORITY
☐ A - Emergency
☐ B - Urgent
☐ E - 12 Months
☐ F-REG - Next Insp

*Reporting Information:
*Identified in Field By: (PG&E = LAN ID) ☐☐☐☐ *LAN ID
*Identified in Field On: ____/____/____ MM DD YY
*Work Type Code: ☐☐☐
*Required End Date: ____/____/____ MM DD YY
*E Crew Size ☐ *G Crew Size ☐
*Estimated Elec Labor Hrs: ____
Estimated Gas Labor Hrs: ____

Reference Information (Circuit & SSD Required at entry in to SAP - to be verified by Clerical if unknown in field)

*Flat Map:	*Circuit	*SSD:	*GS #:	Net Protector #:	Manhole #	Equipment #:

Location Information (*Location Number required for Compliance Inspection or Patrol)

*Location #:	*Street Address:	Cross Street:	*City:

*Main Workcenter:	Latitude / Longitude:

*Identified in Field During (Required - Check One):
☐ Compliance Inspection ☐ Trouble-Work ☐ Equipment Inspection
☐ Compliance Patrol ☐ Crew-Work ☐ Other

Secondary Field Identification (Check all that apply):
☐ WMP (Urban Wildfire Area) ☐ Substation ☐ PG&E/DA Audit
☐ Customer ☐ Work Verification ☐ CPUC Audit
☐ SmartMeter™

*Conductor Type (Required - Check One):
☐ Primary ☐ Transformer ☐ Network Protector ☐ Manhole/Vault
☐ Secondary/Service

ERR Pin (Required for Pinned Equipment) ☐ PIN #: ____
OIS: (Required if Outage Related) ☐ OIS #: ____

Field Condition - Exposure (Check all that apply - provide supporting comments if addition information is needed for field):
☐ High Public Exposure OR Public Gathering Area (school, park, mall, etc.)
☐ Residential Area
☐ Commercial / Industrial Customer
☐ Remote (Ag or Low Populated Area, etc.)
☐ Extreme or High Fire Risk Area
☐ Waterway

Field Condition - Accessibility (Check all that apply - provide supporting comments if addition information is needed for field):
☐ Traffic Control Plan Required
☐ Customer Issue (will not allow PG&E on property, etc.)
☐ Flagging Required
☐ USA Required
☐ City Moratorium: Cannot Work From ____/____ To ____/____ MM / DD MM / DD
☐ Special Circumstances: _____

*Is a Clearance required to complete the work in the field? ☐ Yes ☐ No ☐ Unknown

*Field Comments (Describe the work required and the equipment and materials needed. For example: Special tools or equipment, any unusual conditions, special circumstances, and supporting comments related to Exposure or Accessibility):

Digital Picture #:

SECTION 2 - TO BE COMPLETED IF WORK COMPLETED
(Complete tag for items such as relay replacements or other work that cannot be completed in 60 minutes or less.)

Completed By (LAN ID): ☐☐☐☐ Completed by T-Man? ☐ Completed On: ____/____/____ MM DD YY Actual Labor Hours: ____

Signature: _____
I verify that all maintenance on this notification is completed

Compliance Department Review
*Reviewed By: ☐☐☐☐ *Reviewed On: ____/____/____

Version 1.5, Effective 8/11/2011

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18. Field Paving Form

Pacific Gas and Electric Company

Field Paving Form

Permit Number: _____
Permit Expiration Date: _____

Date: _____ Street Address: _____

Foreman Name: _____ Cross Street: _____

PM Number: _____ City/County: _____

Concrete	W x L		Depth	
Roadway			___ inches	
Sidewalk			___ inches	Color: Y / N | Aggregate: Y / N | Decorative/Stamped: Y / N
Sidewalk			___ inches	Color: Y / N | Aggregate: Y / N | Decorative/Stamped: Y / N
Driveway			___ inches	Color: Y / N | Aggregate: Y / N | Decorative/Stamped: Y / N
Driveway			___ inches	Color: Y / N | Aggregate: Y / N | Decorative/Stamped: Y / N
Curb Ramp			Domes: Y / N	
Curb		lf	Gutter: Y / N	
Valley Gutter		lf		
Dowels		ea	Size: #4 | #5	

Asphalt	W x L		Depth
Asphalt			___ inches
Mill & Fill			___ inches
Asphalt / Concrete Combo			___" over ___"
Grind			___ inches
Asphalt Fabric			
Asphalt Berm / Curb		lf	

Adjust/Replace			
Manhole Frame		ea	
Sidewalk Gas Valve Box		ea	
Secondary Electrical Box		ea	13" x 24" | 17" x 30" | 24" x 36"
Valve Frame		ea	15" | 23"
Valve Cover		ea	30" x 30" | 32" x 32" | 48" x 48"

Saw Cut			Depth
Asphalt		lf	___ inches
Concrete		lf	___ inches

Other	W x L		
Place Paver / Stone / Brick			In Concrete: Y / N
Traffic Marker Dots		ea	Reflective: Y / N
Plug 1 ½" Gas Prospect Hole		ea	Concrete | Asphalt

Seal	W x L
Slurry / Fog / Sand	

Striping		Width
Paint	lf	___ inches
Thermoplastic	lf	___ inches
Traffic Legend	ea	
Double Center Lane	lf	
3M "Scotch Lane"	lf	4" | 8" | 12" Crosswalk

Notes

_____
_____
_____
_____
_____

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Definitions

Abrasion: For the purpose of inspections and patrols, abrasion is damage to the insulation resulting from friction between a tree and a conductor. Scuffing or polishing of the conductor insulation is not considered abrasion.

Compelling Abnormal Condition: A condition that impacts or has the potential to adversely impact safety or service reliability and must be corrected within 12 months. Typically, these are conditions where the facility is not or may not be available to perform the function for which it was installed**.**

Centralized Gatekeeper: A person responsible for the review and validation of all new non-emergency EC Notifications to confirm they meet the requirements as per the EDPM manual and all associated Job Aids.

Compliance Inspector: A Company representative, who by reason of knowledge, required annual training, testing, and work experience, is qualified to perform patrol and inspection duties as identified in this manual.

Condition Assessment: A determination by a qualified employee of an abnormal or hazardous condition that identifies the appropriate level of response, the required maintenance, and a reasonable schedule to plan, design, and complete the required work.

Corrective Maintenance: Maintenance activities that restore facilities that have failed or contributed to an unacceptable operating condition, typically following an unusual and unforeseen incident. These may include assessment, repair, and replacement activities associated with the restoration of the facility.

Detailed Inspection: A thorough examination of individual components, structures, and equipment through visual observation and/or routine diagnostic tests.

Distribution Facilities: Any conductors, structures, and associated equipment that operate at voltages up to 50,000 volts.

EC (Electric Corrective) Notification: The SAP record that holds the data identifying a compelling abnormal or regulatory condition.

EC (Electric Corrective) Work Form: Form used to document Compelling Abnormal or Regulatory Conditions that impact safety or service reliability. Separate forms are available for overhead, underground, infrared, and vegetation.

Electric Maintenance Patrol/Inspection Daily Log: A form or electronic record used to document inspections and identified abnormalities that require correction, follow-up inspection, or referral to other departments or entities.

Emissivity: The relative ability of a surface to emit heat by radiation. Emissivity is the ratio of the heat emitted by a surface compared to that emitted by a blackbody.

Emittance Value: The ratio of the intensity of thermal radiation, at a given wavelength or spectral waveband, from a target to the thermal radiation emitted by a blackbody of the same temperature as the target.

Equipment Testing: Visual examination and/or diagnostic testing of electric distribution equipment to ensure that the components will continue to perform within accepted parameters.

FDA: Facility/Damage/Action. Used to describe the facility that is affected, the condition that was observed and the action to address the condition.

Field Automation System (FAS): A computerized program used to dispatch customer cases to field service representatives.

Forms Catalogue: A list of blank forms used by Compliance Inspectors to record field activity and to document compelling abnormal conditions, regulatory conditions, and third-party infractions.

Identified Maintenance Condition: An identified condition on the Company's electric distribution facilities that requires maintenance.

Idle Facility Investigation Work Form: Form used to begin the Idle facility investigation process.

Infrared Inspection: A special type of diagnostic test using infrared thermography.

Inspection: A visual examination of applicable utility facilities (components, equipment, and structures) to look for abnormalities or circumstances that will adversely impact safety, service reliability, or asset life. This will include only the exterior examination of equipment, components, and visible underground secondary/services substructures. (For "detailed inspection" or "patrol," see the specific definitions in this section.)

Inspection Map: A map of electric facilities with adequate detail to sufficiently record facilities, equipment, and structures that have been inspected.

Interval: A specified, maximum time period between inspections, patrols, or equipment testing of overhead and underground electric distribution facilities.

Maintenance: Preventive or corrective actions to ensure the safety and reliability of electric distribution facilities. Maintenance includes capital and expense expenditures for tasks associated with the inspection, repair, refurbishment, and possible replacement of existing electric distribution facilities so that they can continue to perform within acceptable parameters.

Minor Work: Work that can be accomplished safely and efficiently at the site of the electric distribution facility by a QCR.

Minor Work Tracking Log: A log where the inspector records all minor work completed during inspections or patrols including type of minor work and time spent performing minor work.

Operational Inspection: A thorough examination of individual components and/or equipment through visual observation during routine diagnostic tests.

Overhead Facilities: Electric distribution conductors, components, structures, and associated equipment constructed above ground level.

Patrol: A simple, visual examination of applicable utility facilities (equipment and structures) to identify obvious structural problems and hazards. Patrols may be carried out in the course of other Company business, provided certain requirements are met. An emergency patrol performed at night, usually precipitated by an unusual system incident, **must not** be considered as, or substituted for, a "patrol" of electric distribution facilities.

Patrol Map: A map of electric facilities with adequate detail to sufficiently identify the overhead and underground equipment and structures that were patrolled.

Preventive Maintenance: Activities to ensure those facilities and their associated components continue to perform within accepted parameters. This may include patrol and inspection of facilities.

Priority: Refers to the urgency to perform repairs identified in a notification.

Qualified Company Representative (QCR): A Company representative, who by reason of knowledge, required training, and work experience, can accurately perform the required/assigned task on electric distribution facilities.

Regulatory Conditions: Abnormal conditions required to be identified and resolved as defined on the back of the EC Work From.

Radiate: To emit. When an object radiates, it emits or sends out electromagnetic waves.

Reference Temperature: The temperature of a like piece of equipment at the same location as that registering the apparatus ("fault") temperature.

Safety Conditions: Conditions where a known or probable hazardous condition is present and the probability exists of personal injury to third parties or Company employees, property damage, or the release of contaminants to the environment.

SAP Program: The current, established, centralized computer system that tracks maintenance work on the electric distribution system.

Service Reliability (conditions affecting): Conditions where customers are either without service or are receiving a level of service outside of Electric Rule 2 limits and the probability exists for the failure of Company facilities, resulting in an interruption of service to customers. Also, the term refers to conditions where Company facilities are in an abnormal position.

Stain / Residual Stain: A mark on the equipment that appears dry.

Strain: For the purpose of inspections and patrols, strain is defined as additional tension often causing a deflection of a wire beyond the slack of its span. Strain is often caused by third-party and joint pole tenants. Contact between tree limbs and conductors, in and of themselves, does not constitute strain.

Temperature Rise (or Temperature Differential): The difference in temperature between the apparatus (“fault”) temperature and the reference temperature.

Testing: A method or process used in conducting an examination or trial to obtain an indicator, along with recording the data from the event.

Thermography: Any photographic, videotaped, computer-generated, or graphic record of information derived from an infrared inspection.

Third-Party Non-Utility: A form used to notify violators of their infractions.

Third-Party Utility: A form used to notify utility companies of their infractions.

Underground Facilities: Electric distribution conductors, components, structures, and associated equipment constructed at or below ground level, including pad-mounted equipment and risers.

Vegetation Management: The inspection, trimming, and removal of trees within the vicinity of electric facilities to ensure safe and reliable distribution service.

Terms Retired with 4/1/2016 EDPM Publication

1. TD2320P-01 retired the terms Spill (Category 1) and Spill (Category 2)

2. This EDPM Manual version 4/1/2016 has updated or retired these terms:

   Old Definition: Stain: Insulating fluid is on the surface of the equipment but does not have a sheen and appears dried.

   Retired Definition: Leak: Insulating fluid is not about to run off of the surface of the equipment but has a sheen.

   Retired Definition: Seep: Insulating fluid is not about to run off of the surface of the equipment but has a sheen.

   Retired Definition: Spill (Category 1): Insulating fluid has run off the surface of the equipment and is in contact with the soil or vegetation.

   Retired Definition: Spill (Category 2): Insulating fluid is about to or has run off the surface of the equipment but has not made contact with the soil or vegetation.

3. Refer to the Chapter titled “Assessments, Notifications, and Forms”, Section 13, **Table 2: PCB Spill/Leak Category Response Matrix (OH & Subsurface)** and **Table 3: PCB Spill/Leak Category Response Matrix (Padmount).**

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Overview

The chapter provides information about records retention requirements.



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1 Record Retention Requirements

1. Records may be in paper and/or electronic form and must be retained as specified by the Record Retention Matrix.

   Note: Internal Guidance from the PG&E Law Department, etc., may over-ride program minimum record retention requirements; as such, records may need to be retained in PG&E or off-site storage facilities

2. Equipment testing records may be in paper and/or electronic form and must be retained as specified by the Record Retention Matrix.

3. In addition to these requirements, each completed “Electric Corrective (EC) Notification,” if associated with an inspection or patrol, must be retained for at least 1 year after all the necessary repairs or maintenance on the notification have been completed.

4. All records shall be retained in accordance with the applicable document retention policy. No record, whether hardcopy or in electronic form, may be destroyed without the program manager's written authorization. The following table summarizes these requirements.

2 GO 165 Record Retention Guidelines

RECORD TYPE	REQUIREMENT	MINIMUM RECORD RETENTION
OH Inspection Maps, Electric Maintenance Patrol/Inspection Daily Logs, and Paper or Electronic Notification Forms	2 Inspection cycles or 5 years, whichever is longer	10
UG Inspection Maps, Electric Maintenance Patrol/Inspection Daily Logs, and Paper or Electronic Notification Forms	2 Inspection cycles or 5 years, whichever is longer	6
OH Patrol Maps, Electric Maintenance Patrol/Inspection Daily Logs, and Paper or Electronic Notification Forms	2 Patrol cycles or 5 years, whichever is longer	5
UG Patrol Maps, Electric Maintenance Patrol/Inspection Daily Logs, and Paper or Electronic Notification Forms	2 Patrol cycles or 5 years, whichever is longer	5
OH IR Inspection Maps, Electric Maintenance Patrol/Inspection Daily Logs, and Paper or Electronic Notification Forms	2 Inspection cycles or 5 years, whichever is longer	10

GO 165 Record Retention Guidelines, *continued*

RECORD TYPE	REQUIREMENT	MINIMUM RECORD RETENTION
Manhole Inspections	2 Inspection cycles or 5 years, whichever is longer	6
Equipment Testing Records (Utility Std Equipment)	2 test cycles or 6 years, whichever is longer	6
Completed, Signed EC Notifications Associated With an Inspection or Patrol	2 Inspection cycles or 5 years, whichever is longer, **and** at least 1 year after all necessary repairs or maintenance on the Notification have been completed	6
Completed, Signed EC Notifications Not Associated With an Inspection or Patrol	6 years, **and** at least 1 year after all necessary repairs or maintenance on the Notification have been completed	6
Insulator-Cleaning Records	2 Inspection cycles or 5 years, whichever is longer	5
Streetlight Group Replacement Records	2 Inspection cycles or 5 years, whichever is longer	10

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Overview

The chapter supports revision information and content.

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Overview

The chapter provides additional pages that are reserved for additions to the EDPM manual.



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