

### Electric Reliability (ER) Work Form – Overhead and Underground

Order Number \_\_\_\_\_ SAP ER Notification Number \_\_\_\_\_

**SECTION 1 – TO BE COMPLETED BY FIELD PERSONNEL**

	<b>*FDA Description</b> (Enter Action: Repair/Replace/Install/Remove):			<b>Priority</b> <input checked="" type="checkbox"/> G Planned Mtc
	Facility:	Damage:	Action:	<b>*Check One</b> <input type="checkbox"/> Overhead <input type="checkbox"/> Underground

**\*Reporting Information**

\*Identified in Field By: (PG&E = LAN ID)     
 \*Identified in Field On: \_\_\_\_/\_\_\_\_/\_\_\_\_ MM DD YY
 Work Type Code:

\*E Crew Size  \*G Crew Size

If no LAN ID, Identified By: Last Name, First Name

**Reference Information**

*Map	Circuit:	SSD:	Pole # (Required if numbered Pole)	Equipment #:	Meter #:
			<input type="text"/>		

**Location Information**

Location #:	*Street Address:	Cross Street:	*City:
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*Main Workcenter:	Latitude / Longitude:
	<input type="text"/>

**\*Identified in Field During (Required - Check One):**

- Crew Work       CPUC Audit
- QC Audit         Other
- Supervisor Work Verification

**Secondary Field Identification (Check all that apply):**

- Joint Pole       Customer       Substation
- UWF (Urban Wildfire Area)

**\*Conductor Type (Required - Check One):**

- Primary       Secondary       Service       Service / Streetlight Conductor

**\*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):

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Original Order/Notification #:	Digital Picture #:
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## Electric Reliability (ER) Work Form – Overhead and Underground

### Overhead

<b>Poles</b>	
<input type="checkbox"/>	Date nail installed in pole
<input type="checkbox"/>	Set at minimum depth or deeper
<input type="checkbox"/>	Pole numbering installed on new and replaced poles
<input type="checkbox"/>	Pole number information completed as required
<b>Guys</b>	
<input type="checkbox"/>	Guy and anchors are installed per standard
<input type="checkbox"/>	Pole plate and thimble assembly installed on 7/16" guy
<input type="checkbox"/>	Span guy supported by anchor guy when 500 lbs. or more @ 16', 1,000 lbs. or more @ 8' above ground
<input type="checkbox"/>	PISA rod 36" or less above ground
<input type="checkbox"/>	X-plate/expanding anchor rod 6"/ 12" or less above ground
<b>Hardware</b>	
<input type="checkbox"/>	Bolts not extending more than 1" beyond the nut in climbing space
<input type="checkbox"/>	Bolts not reversed in clevis, 1/2" clearance to conductor
<input type="checkbox"/>	Covers installed over bolts in climbing space that are bonded to or used for deadend hardware
<input type="checkbox"/>	Pole line hardware is not loose and is installed per standard
<input type="checkbox"/>	Anti-split bolt is installed as required
<b>Grounds</b>	
<input type="checkbox"/>	2 rods installed 6' or more apart
<input type="checkbox"/>	Lightning arresters grounds installed per standard
<input type="checkbox"/>	Rods installed 12" or more from pole and 12" or more deep
<input type="checkbox"/>	PVC joints glued
<input type="checkbox"/>	Bare ground wire in the primary or secondary riser is isolated from the cable grip
<b>Transformers</b>	
<input type="checkbox"/>	Shear plates installed, 1,301 lbs or more
<input type="checkbox"/>	Bolt covers and spring clips installed per standard
<input type="checkbox"/>	Proper lead wires and/or connectors installed on surge arrestors to cutout or line conductors
<b>Fire Areas</b>	
<input type="checkbox"/>	Exempt equipment and connectors installed
<b>Workmanship</b>	
<input type="checkbox"/>	Verify job site is clean and excess material picked up
<b>AWAC</b>	
<input type="checkbox"/>	4" x 4" curved washer installed at dead-ends
<input type="checkbox"/>	Maximum slack span length not exceeded
<b>Miscellaneous</b>	
<input type="checkbox"/>	Raptor safe construction & wildlife protection installed as required
<b>Vegetation</b>	
<input type="checkbox"/>	New Construction: Ensure 15' clearance from trees and addressed hazard trees
<input type="checkbox"/>	Reconstruction work: Adequate clearance maintained from primary conductors to trees
<b>Conductors</b>	
<input type="checkbox"/>	Vibration dampers installed as required
<input type="checkbox"/>	Splices 25' (new), 2' (maintenance), or more from support
<input type="checkbox"/>	Tie pads installed with preform ties
<input type="checkbox"/>	Proper connectors installed on primary, secondary, and service conductors and No Oxide applied
<input type="checkbox"/>	Drip loops installed in covered conductors
<input type="checkbox"/>	Tap clamps with tap guard installed per standard
<input type="checkbox"/>	Armor rod installed as required on conductors
<b>Crossarms</b>	
<input type="checkbox"/>	Braces bolted securely
<input type="checkbox"/>	Spring clips installed
<input type="checkbox"/>	Crossarm sized correctly
<b>Risers</b>	
<input type="checkbox"/>	Backup plate installed
<input type="checkbox"/>	Primary riser tag indicates voltage and first sectionalizing point
<input type="checkbox"/>	Secondary riser tag indicates distance and direction to first splice box
<input type="checkbox"/>	Cable protector installed
<input type="checkbox"/>	Pole steps installed on Joint Poles with supply risers or supply vertical runs extending past communications
<input type="checkbox"/>	14" pole steps installed on Joint Poles with 4" or larger risers
<input type="checkbox"/>	Phase numbers installed per standard

### Underground

<b>Enclosures</b>	
<input type="checkbox"/>	Minimum clearances to walls, overhangs, etc.
<input type="checkbox"/>	Spare ducts plugged properly
<input type="checkbox"/>	Primary enclosures correctly sized
<input type="checkbox"/>	Secondary enclosures correctly sized
<input type="checkbox"/>	Correct traffic lid installed
<input type="checkbox"/>	Cable Protector or Duct Terminators Installed
<b>Pad-Mounted Equipment</b>	
<input type="checkbox"/>	Securely anchored Switches - 4 bolts
<input type="checkbox"/>	Spare ducts plugged properly
<input type="checkbox"/>	Fault indicators installed as required
<b>Workmanship</b>	
<input type="checkbox"/>	Verify job site is clean and excess material picked up
<b>SubSurface Equipment</b>	
<input type="checkbox"/>	Switches securely anchored to enclosure
<input type="checkbox"/>	Fault indicators installed as required
<input type="checkbox"/>	Cable support rod for secondary cable installed
<b>Grounding</b>	
<input type="checkbox"/>	All connections pressed
<input type="checkbox"/>	All enclosures and frames grounded as required
<input type="checkbox"/>	HO/Ground Buss/Ring Buss sized and installed correctly
<input type="checkbox"/>	Neutral bypass on primary splices sized/ installed correctly
<input type="checkbox"/>	Concentrics pressed to ring buss/grid
<b>Cables</b>	
<input type="checkbox"/>	Secondary adequately supported in 3 phase pad mount transformers
<input type="checkbox"/>	Phase and sectionalizing tags installed on primary cable
<input type="checkbox"/>	Secondary and service tags installed
<input type="checkbox"/>	Mounting bolts for temporary parking stand installed; 600T w/200 amp separable connections
<b>Primary Elbows</b>	
<input type="checkbox"/>	Concentric bleeder wire installed
<b>Primary Stress Cones</b>	
<input type="checkbox"/>	Stress cone tape not split or damaged
<input type="checkbox"/>	Hot taps 2" or more from barricade surface