

DEPARTMENT ASSET MANAGEMENT	DIVISION PROGRAM MANAGEMENT	EFFECTIVE DATE JULY 19, 2018
SECTION CORRECTIVE MAINTENANCE		
SUBJECT TITLE VISUAL INSPECTION OF POLES AND EQUIPMENT		
<p>1.0 PURPOSE</p> <p>1.1 This procedure provides guidelines for performing uniform detailed overhead visual inspection and corrective maintenance of the overhead distribution system.</p> <p>2.0 APPLICABILITY</p> <p>2.1 This standard applies to all personnel performing scheduled inspections of equipment and installations on the overhead electric distribution system. This standard is also applicable to Electric Supervisors and department Engineers directing inspection and maintenance work activity.</p> <p>3.0 DEFINITIONS</p> <p>3.1 C&O – Construction & Operation</p> <p>3.2 CIP – Communication Infrastructure Provider</p> <p>3.3 CMG – Compliance Management Group</p> <p>3.4 CMP – Corrective Maintenance Program</p> <p>3.5 EGISS – Enterprise GIS Services</p> <p>3.6 ESP – Electric Standard Practice</p> <p>3.7 GIS – Geographic Information System</p> <p>3.8 GMDT – Geographical Mapping Discrepancy Transmittal</p> <p>3.9 HFTD – High Fire-Threat District</p> <p>3.10 MDT – Mobile Data Terminal</p> <p>3.11 SAP – Systems Applications and Products</p> <p>4.0 PROCEDURE</p> <p>4.1 POLICY STATEMENTS</p> <p>4.1.1 Pursuant to GO 165, the overhead distribution system shall be inspected on a five year cycle. The detailed overhead visual inspection is necessary to verify condition of poles, equipment, conductors, and line hardware. This inspection is required in addition to other patrols that are made to identify obvious structural problems and hazards. Qualified persons shall perform inspections, as defined on ESP 613.</p> <p>4.1.2 Abnormal conditions found during the detailed overhead visual inspection shall be recorded in MDT. See Attachment A “Definition of Overhead Condition Codes”. Any conditions that could cause a failure jeopardize service, or pose safety hazard to the public or workers shall be reported and prioritized for correction as appropriate.</p> <p>4.1.2.1 Make comments in the MDT comments field with any information that will further describe a condition and that will be useful for follow-up repairs.</p>		
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- 4.1.2.2 Conditions that are not repaired at the time of inspection will be recorded and assigned a "Pending" status in MDT. CIP conditions will be recorded and assigned a "CIP Pending" status in MDT.
 - 4.1.2.3 Repairs should be made at the time of inspection whenever practical, or within the period of time specified by the CMP manual. Conditions that are repaired at the time of inspection will be recorded and assigned a "Field Cleared" status in MDT. CIP conditions cannot be assigned a "Field Cleared" or "Cleared" status.
 - 4.1.2.4 Once follow-up repairs are completed, the pending condition code will be changed and recorded as complete in the system of record by District personnel.
- 4.2 SPECIAL INSTRUCTIONS**
- 4.2.1 Remove the old cal-grid pole number or other non-standard pole number on the pole. Replace the old cal-grid number on the pole with the number shown on the MDT/MAP. If the number is not shown in the MDT/Map or unknown, submit a GMDT form to Enterprise GIS Services (EGISS). Do not remove temporary tagging on transmission poles.
 - 4.2.2 Record Private Property conditions in MDT. If the District cannot resolve the condition with the private property owner, send notification to Land Services for follow-up per ESP611, Land Services Notification Process.
 - 4.2.3 When the District cannot resolve an access problem, send a request for follow-up to Land Services if access to our facilities is obstructed by a private property owner.
 - 4.2.4 Record CIP conditions in MDT. Report CIP conditions for follow-up to CMG via ESP607, General Order Correction Process for SDGE Equipment Impacted by CIPs.
 - 4.2.5 Inspect distribution equipment on transmission poles and record distribution equipment conditions in the MDT. The infractions related to the OH visual inspections on the distribution equipment must remain pending until the repairs are completed, then cleared in system of record. (See Figure 1)

Notification	Description	Ref. date	Notif date	Damage	Problem code text	Activity code text	Reported by	Coding code text
100003009468	ED:POLE:Z89426	05/17/2010	06/15/2009	I236	Damaged/Missing High Volt Signs - 1-Man	Cleared	07715	OHVI FOLLOW-UP
100003009466	ED:POLE:Z89426		06/15/2009	I230	Damaged Ground Molding	Cleared	07715	OHVI FOLLOW-UP
100003009467	ED:POLE:Z89426	06/15/2009	01/01/2009	I230	Damaged Ground Molding	Cleared	30291	OHVI INSPECTION
100003009467	ED:POLE:Z89426		01/01/2009	I236	Damaged/Missing High Volt Signs - 1-Man	Cleared	30291	OHVI INSPECTION
100002927640	ED:POLE:Z89426	10/07/2005	01/01/2005	R699	No Repairs Needed	Field Cleared	OSMOSE	Routine Inspection
100002882351	ED:POLE:Z89426	12/09/2004	02/12/2004	I234	Damaged/Missing High Volt Signs - 2-Man	Cleared	95808	OHVI FOLLOW-UP
100002882353	ED:POLE:Z89426		02/12/2004	I264	Bare / Wrapped Service	Cleared	95808	OHVI FOLLOW-UP
100002882352	ED:POLE:Z89426	02/12/2004	01/01/2004	I234	Damaged/Missing High Volt Signs - 2-Man	Cleared	39578	OHVI INSPECTION
100002882352	ED:POLE:Z89426		01/01/2004	I264	Bare / Wrapped Service	Cleared	39578	OHVI INSPECTION
100002733458	ED:POLE:Z89426	08/23/1999	01/01/1999	R227	Damaged Missing Warning Signs (Mr. Ouch)	Field Cleared	39578	OHVI INSPECTION
100002733458	ED:POLE:Z89426		01/01/1999	I230	Damaged Ground Molding	Field Cleared	39578	OHVI INSPECTION
100002719971	ED:POLE:Z89426	08/13/1998	01/01/1998	R699	No Repairs Needed	Field Cleared	OSMOSE	Routine Inspection
100002719971	ED:POLE:Z89426		01/01/1998	R651	PARTIAL EXCAVATION,NO DECAY	Field Cleared	OSMOSE	Routine Inspection
100002719971	ED:POLE:Z89426		01/01/1998	R632	TREATMENT APPLIED EXTERNAL	Field Cleared	OSMOSE	Routine Inspection

Figure 1: See 4.2.5 Distribution Equipment (OHVI)

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<p>4.2.6 Do not record damaged transmission poles or transmission equipment in MDT when inspecting distribution equipment on transmission poles. Instead, report it to Electric Construction and Maintenance (Kearny) via an investigation order (I/O).</p> <p>4.3 INSPECTION PROCEDURES</p> <p>4.3.1 The detailed overhead visual inspection activities shall be scheduled by compliance year and conducted by GIS map in accordance with local needs.</p> <p>4.3.2 All conditions found during the inspections that require follow-up repairs shall be recorded in MDT. Corrective maintenance shall be performed when conditions can be repaired on site and recorded as field cleared in the MDT. Preventive or corrective maintenance shall be performed for conditions that require follow-up repairs and recorded as pending conditions in MDT until resolved.</p> <p>4.3.3 Details regarding pending conditions should be clearly listed in the comment field.</p> <p>4.3.4 The detailed overhead visual inspection requires all inspectors to walk-around the pole, if accessible. The inspector shall inspect for the condition of pole, hardware, equipment, clearances, conductors, and other general conditions.</p> <p>4.3.4.1 Condition of Pole, check for:</p> <p>4.3.4.1.1 Leaning pole or potentially overloaded poles</p> <p>4.3.4.1.2 Broken, cracked, excessive blooming (fiberglass), or rotten crossarms</p> <p>4.3.4.1.3 Broken, cracked, excessive blooming (fiberglass), or rotten poles (sound pole)</p> <p>4.3.4.1.4 Unauthorized attachments</p> <p>4.3.4.1.5 Washout or excavation around pole or anchor</p> <p>4.3.4.1.6 Evidence of fire or other structural damage</p> <p>4.3.4.1.7 Indication of excessive vehicle contact (damage to pole and/or need for a barrier post)</p> <p>4.3.4.1.8 Damaged poles and stub poles</p> <p>4.3.4.1.9 Red (recommended replacement) or yellow (recommended reinforcement) tags on pole</p> <p>4.3.4.1.10 Galvanized or Weathering steel poles make sure no vegetation is in contact with pole, no soil contact to bare steel; there should be 12" separation above the soil line and the polyurethane coating (Corro-cote), report any standing water around pole, or any excessive build up corrosion (pack-out) or any excessive pitting</p> <p>4.3.4.2 Conditions of Hardware and Equipment, check for:</p> <p>4.3.4.2.1 Broken, chipped or contaminated insulators</p> <p>4.3.4.2.2 Pole switch indicating need for adjustment, grounds or repair</p> <p>4.3.4.2.3 Indication of excessive transformer oil leakage or discoloration</p>		
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<p>4.3.4.2.4 Bulged or discolored capacitor units</p> <p>4.3.4.2.5 Broken or cracked bushing or fuse holder</p> <p>4.3.4.2.6 Broken or cracked arrestor</p> <p>4.3.4.2.7 Evidence of tracking or burning</p> <p>4.3.4.2.8 Loose hardware or missing nuts</p> <p>4.3.4.2.9 Guys missing or not installed properly</p> <p>4.3.4.2.10 Damaged avian protection</p> <p>4.3.4.3 Condition of conductors, check for:</p> <p> 4.3.4.3.1 Slack conductors or unequal sag</p> <p> 4.3.4.3.2 Indication of bullet nicks or vandalism</p> <p> 4.3.4.3.3 Conductors not properly attached to insulator, including broken tie wires</p> <p> 4.3.4.3.4 Connector directly on the line (hot line clamp, parallel groove clamp or split bolts)</p> <p> 4.3.4.3.5 Multiple Splices on Overhead Span of Wire (i.e. union splice, compression sleeve, automatic sleeve, etc.)</p> <p> 4.3.4.3.6 Damaged or burned connectors or jumpers</p> <p> 4.3.4.3.7 Bare or wrapped services</p> <p>4.3.4.4 Clearance and climbing space violations check for:</p> <p> 4.3.4.4.1 Crane or other excessive height equipment operating in close proximity to lines</p> <p> 4.3.4.4.2 Hazardous structures in close proximity to lines (i.e. television or radio antennas, campers, scaffolding, etc.)</p> <p> 4.3.4.4.3 Inadequate ground clearance for primary, secondary and service wires caused by Private Property, SDG&E, or CIP</p> <p> 4.3.4.4.4 Improper conductor clearances caused by Private Property, SDG&E, or CIP</p> <p> 4.3.4.4.5 Climbing space infractions caused by Private Property, SDG&E, or CIP</p> <p>4.3.4.5 General conditions to check for:</p> <p> 4.3.4.5.1 Damaged or missing keep off warning signs</p> <p> 4.3.4.5.2 Missing or damaged high voltage signs</p> <p> 4.3.4.5.3 Damaged or missing visibility strips (State highways only)</p> <p> 4.3.4.5.4 Damaged, missing or incorrect transformer station or pole identification</p> <p> 4.3.4.5.5 Foreign objects in line (i.e. kites, palm fronds, balloons, etc.)</p>			
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<p>4.3.4.5.6 Damaged, missing or poorly secured moldings or conduits</p> <p>4.3.4.5.7 Slack guys</p> <p>4.3.4.5.8 Damaged or missing guy markers (guards)</p> <p>4.3.4.5.9 Exposed grounds or neutrals on risers</p> <p>4.3.4.5.10 Pole steps below 10 ft. (height).</p> <p>4.3.4.5.11 Oil or compound leaks or contaminated potheads.</p> <p>4.3.4.5.12 Broken or separated risers.</p> <p>4.3.4.5.13 CIP Hazardous Conditions – lashing wire, equipment not properly secured, etc.</p> <p>4.4 Report Tree Trim/Conditions</p> <p>4.4.1 Primary, open wire secondary</p> <p>4.4.2 Trees in SSC secondary, service, guy wires - record in MDT (heavy, immediate strain or abrasion)</p> <p>4.4.3 Climbing space obstructions – record in MDT</p> <p>4.5 Primary Metering Stations</p> <p>4.5.1 Check ID tags, pole number, Primary metering station number</p> <p>4.5.2 Meter number</p> <p>4.5.3 High sign</p> <p>4.5.4 With binoculars check all equipment for damage</p> <p>4.5.5 Check conductors for damage</p> <p>4.5.6 Check pole and crossarms for cracks and damage</p> <p>4.6 ADDITIONAL CONSIDERATIONS and CONSTRUCTIONS</p> <p>4.6.1 All materials used in the repairs shall comply with the latest edition of the Overhead Construction Standards: caution tape, duct tape, fire extinguisher, general purpose patch kits, grunt sack, guy guards, hardwood molding, high voltage sign, hurt-man warning signs, large nails, pole tags, roofing nails, staples, sticker book, tag holder, visibility strips</p> <p>4.6.2 Tools: adjustable wrench, binoculars and a camera, bolt cutters, cones, extendo stick, flathead screwdriver, hack saw, hammer, hook knife, indian pump, kleins, lineman body belt and climbers, MDT, measuring stick, needle nose pliers, philips screwdriver, polasky, route sheet, ruler, shovel, skinning knife, speed wrench, staple puller, yellow handle cutters</p> <p>4.6.3 Personal Protective Equipment: clear safety glasses, dark safety glasses, gloves, hard hat, traffic vest - yellow, work boots.</p>		
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4.7 RECORDKEEPING

4.7.1 Program Management will prepare monthly reports to assist Districts in monitoring inspection and backlog goals, and distribution expenses.

4.8 ACCOUNTING

4.8.1 Reference Corrective Maintenance Program Manual CMP Accounts (latest edition)

5.0 REFERENCES

5.1 Electric Standard Practice 149 (Latest Edition).

5.2 Electric Standard Practice 607 (Latest Edition).

5.3 Electric Standard Practice 610 (Latest Edition).

5.4 Electric Standard Practice 611 (Latest Edition).

5.5 Electric Standard Practice 612 (Latest Edition).

5.6 Electric Standard Practice 613 (Latest Edition).

5.7 Overhead Construction Standards Book (latest edition)

5.8 State of California General Order (G.O.) 95 - Rules for Overhead Electric Line Construction (latest revision)

5.9 GO 165 – CPUC Rule for Maintenance of Electric Distribution Facilities

5.10 Corrective Maintenance Program Manual (latest edition)

6.0 REVISION HISTORY

Effective Date:	Type Of Change	Brief Description of Change
22May2018	Revision	The revision to this ESP is to clarify what is considered a Qualified inspector, as defined on ESP 613. Also add the definition HFTD – High Fire-Threat District and the Tier 3 follow-ups timeframes of 6 months.
8Aug2016	Revision	To update code 230 damage ground molding: update the GO 95 rule 22.8, also the on-site Maintenance: Leave code 230 pending for F/U crew replacement of wood molding and replace with the #4 PVC covered ground wire. The Follow-up Maintenance: include additional instructions, The #4 PVC ground wire cannot be installed in the climbing space as required by GO 95 Rule 54.7A.
01July2016	Revision	To include updates to Codes; 230, Damaged Ground Molding the on-site and follow-up maintenance requirements; 268, Slack Conductors includes if inspector determines that during windy conditions conductors may make contact to use this code.

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<p>7.0 ATTACHMENTS</p> <p>7.1 Attachment A - Definitions of Overhead Condition Codes</p> <p style="text-align: center;">ATTACHMENT A</p> <p style="text-align: center;">Definition of Overhead Condition Codes</p> <p>The following tables are divided into three sections:</p> <p><u>Infraction Conditions</u></p> <p>These are conditions, which must be corrected within 12 months (internal goal of 10 months), also codes that are defined as a Quality Control (QC) codes that fall within the Tier 3 HFTD must be corrected 6 months after they have been identified; unless approved for deferral per ESP610, and are conditions governed by General Order (GO) 95 or SDG&E Overhead Construction Standards.</p> <p>Based on field conditions, certain infractions may require immediate attention and/or completion prior to the 12 month timeframe. For critical conditions, notify Trouble Department and Supervisor, and standby on-site as appropriate.</p> <p>Nonconformance and Safety Hazard Definitions relating to Communication Infrastructure Providers (CIPs):</p> <p>Nonconformance – a condition in which any characteristics does not conform to GO 95 requirements or specifications.</p> <p>Safety Hazard – category of nonconformance that poses a significant threat to human life or property.</p> <p>If in the opinion of the inspector, any of the following CIP safety hazards present an immediate safety and/or reliability risk with high probability for significant impact, it is appropriate to take immediate action to fully repair the condition or make temporary repairs to make the condition safe to lower the priority. If such actions are necessary, the inspector should report the condition to the District immediately.</p> <p>Any CIP nonconformance can be raised to the level of "Safety Hazard", if in the opinion of the inspector, the condition constitutes a significant threat to human life or property.</p> <p><u>Reliability Conditions</u></p> <p>These conditions do not fall within the General Order but can affect system reliability and may be repaired based on engineering evaluation or experience.</p> <p><u>Discretionary Conditions</u></p> <p>These conditions, which are neither governed by the General Order nor have been determined to have a significant impact on system reliability, may be corrected at the discretion of the district.</p>		
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Overhead Infraction Conditions					
Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
26	Ground Rods or Studs Missing	GO 128 Rule 36.5-C (2) requires conductors and equipment to be effectively grounded by connections at one or more locations to driven ground rods or other suitable grounding electrodes.		Follow-up fix if exposed, missing or corroded out; install new rod	ESP601 OH 1002.1
96	Conduit Damaged	Use this code if cable pole conduit is damaged.		Follow-up fix by crew	
98	Conduit Not Strapped Down	Use this code if conduit is not strapped down.	Strap conduit.	Follow-up by crew	
201	Pole Steps Lower than 10ft	SDG&E Electric Standard sets minimum height at 10 feet. GO 95 requires the removal of steps below 7.5' to ground level or above a walkable surface..	Remove step(s) below 10 feet.		OH363 OH310.3
203	Damaged/ Missing Visibility Strips	Visibility strips are required on all poles on state highways within 12 feet of traveled roadway.	Install/replace visibility strips as appropriately.		OH208 OH217
206	Damaged/ Missing Pole Hardware	GO 95 Rule 49.8 requires all pole line hardware to be galvanized, otherwise protected by a corrosion resisting treatment or composed of corrosion resistant material. Use this code when hardware is damaged or missing or to replace damaged or depleted galvanized hardware.	If corrosion affects serviceability now or within cycle length or it is not built to standard, record as infraction.	Follow-up fix by crew; replace damaged/missing hardware	OH390- OH396
207	SDG&E Leaning Pole or Potential Overload	GO 95 Rule 47.3 & 48 requires that loads imposed on poles are balanced. Poles being pulled over and leaning more than 10 degrees from the vertical position shall be considered leaning badly. 10 degrees is equal to 7 feet off center for a 45' pole; however, 7 feet is adequate for all poles. Use this code for SDG&E poles that appear to require guying, anchoring, or reinforcement and/or are showing signs of bowing or distortion. GO Rule 44.3 requires lines or parts thereof shall be replaced or reinforced before safety factors have been reduced (due to deterioration or changes in construction arrangement or other conditions subsequent to installation). For customer owned pole, send notification to Land if district cannot resolve issue with customer. Use code 407 for CIP owned leaning or potential overload pole.	Notify Elec Supv for critical conditions and stand by until Supv is on-site.	Perform pole loading calcs within 90 days of inspection to determine if there is a loading issue and who caused overload. Follow ESP 607& ESP149; If CIP overloaded the pole, If SDG&E is responsible for repairs, follow-up fix as appropriate.	ESP149 ESP607 ESP611 OH901
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Overhead Infraction Conditions

Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
209	Foreign Attachment/ Unauthorized Equipment	GO 95 Rule 34 prohibits antenna, signs, posters, banners, decorations, wires, lighting fixtures, guys, rope or any other equipment foreign to the purpose of OH Elec line construction. Temporary attachments older than one year old are also prohibited.	Remove foreign attachment, if practicable, and field clear. If district cannot resolve, take picture(s).	Follow-up by crew if truck is required to remove foreign attachments. District to work with customer on resolution prior to sending notification to Land Services.	OH225 ESP611
218	Private Property Caused Pole Inaccessible	GO 95 Rule 31.2 requires that the entire supply system be inspected by the operator frequently and thoroughly for the purpose of ensuring that they are in good condition and in conformance with all applicable requirements. Use this code if the customer caused the pole to be inaccessible for an inspection i.e. locked gate, animal, material stacked or structure built around pole. Inspect after the cause of the inaccessibility is cleared. If caused by Private Property or Veg., use code 219.	Fix on site if object causing this condition is removable. If issue cannot be resolved, take picture(s) and follow-up appropriately.	District to work with customer on resolution prior to sending notification to Land Services. Code should remain pending until inspected.	ESP601 ESP611
219	SDG&E / Vegetation Caused Pole Inaccessible or Cannot Locate	GO 95 Rule 31.2 requires that the entire supply system be inspected by the operator frequently and thoroughly for the purpose of ensuring that they are in good condition and in conformance with all applicable requirements. Inaccessibility can occur due to river, lake, terrain or vegetation that prevents access to the pole. Inspect after the cause of the inaccessibility is cleared or facility is located. For Veg, record as 219 in MDT and send IO to Veg. Management. If caused by Private Property use code 218.	Fix on site if object causing this condition is removable. For Veg, leave door hanger for affected customers, for vegetation removal obtain signed removal card, qty of trees, use abbrev key.	Code should remain pending until inspected. Send IO for trees/veg, use street address.	ESP601

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Overhead Infraction Conditions					
Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
225	Private Property Climbing Space Obstruction	GO 95 Rule 54.7 & OH Standard 251-261 allow only specific climbing space obstructions in climbing space; GO 95 allows quadrant climbing space up through the communications level. For maintenance only, do not enter this code where there is quadrant-climbing space available below secondary and communications lines are attached to pole. Use this code when climbing space infractions are caused by private property owners. If caused by SDG&E use code 226, vegetation use code 327, or CIP use code 402. Refer to climbing space diagrams.	Take picture(s) and make note in comments on MDT and follow-up appropriately.	District to work with customer on resolution prior to sending notification to Land Services.	OH225 OH251 thru OH261 ESP611
226	SDG&E Climbing Space Obstruction	GO 95 Rule 54.7 & OH Standard 251-261 allow only specific climbing space obstructions in climbing space; GO 95 allows quadrant climbing space up through the communications level. For maintenance only, do not enter this code where there is quadrant-climbing space available below secondary and communications lines are attached to pole. Use this code when climbing space infractions are caused by SDG&E. If caused by Private Property use code 225, vegetation use code 327, or CIP use code 402. Refer to climbing space diagrams.	Take picture(s) and make note in comments on MDT and follow-up appropriately.	Follow-up fix by crew.	OH225 OH251 thru OH261
228	Exposed Conductor	GO 95 Rule 54.6. Use this code whenever there are uncovered vertical and lateral runs, broken or missing PVC conduit.	Notify Elec Supv for critical conditions and stand by until Supv is on site	Follow-up fix by crew; replace PVC conduit.	OH225
230	Damaged Ground Molding	GO 95 Rule 22.8 requires that ground wires attached on the surface of poles be covered throughout their length by a suitable protective covering. Use this code if ground molding is broken and ground wire is exposed.	Make temporary repairs (Make safe) for areas accessible from the ground. Leave code 230 pending for F/U crew replacement of wood molding and replace with the #4 PVC covered ground wire.	F/U crew to make permanent repairs accordance with OH Standard 1002, The #4 PVC ground wire cannot be installed in the climbing space as required by GO 95 Rule 54.7A	OH393 OH1002
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Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
231	Open/ Damaged Ground	GO 95 Rule 52.7F requires equipment grounding. Use this code whenever the pole ground has been broken, burned through, or cut.	Notify Elec Supv for critical conditions and stand by until Supv is on site	Follow-up fix by crew	OH1002
234	Damaged/ Missing High Voltage Signs - 2 Man	GO 95 Rule 51.6A requires marking the pole no more than 40" below the lowest conductor of circuit(s) 750 volts or more for poles with no equipment or 6" below equipment. Linearms may be marked front and back in lieu of marking the pole. Use this condition code where 2 or more linemen are needed to clear the condition.		Follow-up fix by crew	OH208.3
235	Damaged Arrestor/ Insulator/ Dead-end	Use this code if there is a broken/chipped arrestor and/or insulator or if there is evidence of burning or flashover. Make further comments in the MDT comment box.		Follow-up fix by crew	OH1251 OH750 OH1247
236	Damaged/ Missing High Voltage Sign - 1 Man	GO 95 Rule 51.6A requires marking the pole to no more than 40" below the lowest conductor of each circuit 750 volts or more for poles with no equipment or 6" below equipment. Use this code where a 1-man crew can be used to clear the condition.		Follow-up fix by crew	OH208.3
237	Oil Leak	Use this code if there is visible oil leaking from any pole mounted electrical equipment. Refer to SP122 on follow-up requirements.	Notify Elec Supv for critical conditions and stand by until Supv is on site	Follow-up fix by crew	ESP122
238	Abandoned Facilities	GO 95 Rule 31.6 requires that lines or portions of lines permanently abandoned shall be removed by their owners so they do not become a hazard. Applies to poles and conductors with no future potential use. Use this code for abandoned poles in field (includes double pole situations). If foreign utility owned pole is confirmed by Ops Asst, then generate code 446 as follow-on.		For abandoned poles, Ops Asst to check against Quit Claim list. If pole is quit claimed to a CIP; ESP 607. Follow SPM 200 for SDG&E poles.	ESP607 ESP611 GO95 Rule31.6 SPM200
239	Idle Equipment	Use this code if equipment or hardware is no longer in use		Follow-up by Elec Supv. & Follow SPM 200 for SDG&E	GO95 Rule31.6 SPM200
240	Damaged Cutout	Use this code if there are broken or chipped cutouts and if there is evidence of burning or flashover. Make further comments in the MDT.		Follow-up fix by crew	OH1240 OH1212
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241	Damaged Crossarm	Use this code if the crossarm is broken, if there is severe cracking, evidence of charring, burning, excessive blooming (fiberglass), or severe tracking. Make further comments in the MDT.	Notify Electric Supv for critical conditions and stand by until Supv is on site	Follow-up fix by crew	OH380 OH384
243	Damaged Switch	Use this code if any part of the switch is damaged or broken including insulators, switch blades, etc.		Follow-up fix by crew	OH1442 OH1444 OH1451 OH1220 OH1222 OH1228 OH1230
244	Damaged switch gang operator mechanism	Use this code if the switch gang operator mechanism is broken, bent or missing.		Follow-up fix by crew	OH1228 OH1271 OH1230
246	SDG&E Pole / Stub Pole Damaged or Broken	Use this code if SDG&E pole/stub pole is broken or damaged or if the strength of the pole is questionable i.e. vehicular contact, severe cracking, shell rot, top rot, and evidence at the groundline of butt rot, charred wood, severe tracking, or wood pecker damage, or any excessive build up corrosion (pack-out) or any excessive pitting on Galvanized or Weathering steel poles, and excessive blooming (fiberglass poles) . Make further comments in the MDT as to type of damage. Do not turn in to wood pole inspection contractor for damage 8 feet or more above ground line. If already red tagged (pole replacement recommended), note "red tag on pole" and date of POIN inspection in MDT comments and contact wood pole contract administrator for follow-up if POIN code not in the system. For customer owned pole, send notification to Land if district cannot resolve issue with customer. Follow-on Code: Can also be used on CIP pole that was overloaded by SDG&E based on pole loading calc and when SDG&E will perform change out and take over ownership on pole, as directed per ESP607.	For severe damage, contact Elec Supv for immediate temporary shoring and stand by until Supv is on site, Galvanized or Weathering steel poles make sure no vegetation is in contact with pole clear on site if possible or use code 327 veg follow-up. Remove any soil in contact to bare steel; there should be 12" separation above the soil line and the polyurethane coating (Corro-cote),	Perform pole loading calcs within 90 days of inspection to determine if there is a loading issue that caused the damage. Follow ESP 607/ ESP 149 if CIP is responsible for replacement. If SDG&E is responsible for repairs, follow-up fix as appropriate Galvanized or Weathering steel poles follow-up report any standing water around pole to Engineering	ESP149 ESP601 ESP607 ESP611 OH225
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Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
254	SDG&E Insufficient Clearance	GO 95 sets clearance requirements for various subjects. Refer to OH Standard for review of these requirements. Use this code when there is not adequate wire to wire clearance or ground to conductor clearances caused by SDG&E except for low service drops (code 262). If caused by CIP use codes 454 - 460.		Follow-up fix by crew	OH221 OH224 OH228 OH262 OH236 OH264 OH908 OH1406 OH1509 OH1530 OH1533
258	Avian Protection Damaged	Use this code when the Avian Protection is missing or damaged on poles that have wildlife symbol in mapping system. For maintenance only, not for identifying new locations that require Avian Protection.		Follow-up fix by crew	OH1620 OH1630 OH1640
260	Easement Encroachment	Use this code when there is a potential encroachment onto SDG&E easements (buildings, fences, walls, etc.)	Notify Elec Supv and Land Services immediately for critical conditions and standby until Supv is on site. Take picture(s).	District to work with customer on resolution prior to sending notification to Land Services.	ESP611
261	Grading Change	Use this code when a private party has or is in the process of changing the grade under or in proximity of overhead lines that could potentially result in insufficient clearances.	Notify Elec Supv and Land Services immediately for critical conditions and standby until Supv is on site. Take picture(s).	District to work with customer on resolution prior to sending notification to Land Services.	ESP611
262	Low Service	GO 95 Rule 54.8B requires service drops above ground, buildings, etc., shall not be less than the following minimum clearances: <ul style="list-style-type: none"> • over fences -2' (non-walkable), 8' (walkable) • over pedestrian walkways - 10' (residential), 12' (commercial) • over driveways - 12' (residential), 16' (commercial) • over thoroughfares - 18' (centerline), 16' (at curb) Use this code only for SDG&E low services.	Notify Elec Supv for critical conditions and stand by until Supv is on site	Follow-up fix by crew; notify customers affected. District to work with customer and Service Standards on resolution prior to sending notification to Land Services.	ESP611 OH241 OH645 OH646
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263	Private Property Hazardous Condition	Use this code for any hazardous conditions caused by private property or non-CIPs that are in proximity of Electric facilities and are not covered by other codes.	Notify Elec Supv and Claims immediately for critical conditions and standby until Supv is on site. Describe condition and note private party name, if known, in comments and take picture(s).	District to work with customer on resolution prior to sending notification to Land Services; copy Claims if urgent and note as such.	ESP611
264	Bare or Wrapped Service	Use this code if the service conductor has evidence of fraying or its insulation or weatherproofing is missing. Use this code also for open wire service that is wrapped or touching. Make further comments in the MDT.		Follow-up fix by crew.	OH225
266	Foreign Objects	Use this code when kites, palm fronds, balloons, tennis shoes, etc. are on the conductors.		Follow-up fix by crew; Remove foreign objects	OH225
267	Damaged Capacitor	Use this code when bushings show sign of damage and cases are swollen or damaged due to foreign contacts.	Notify Electric Supervisor for immediate repair for critical condition, and stand by until Supv is on site.	Follow-up fix by crew	OH1301
268	Slack Conductors	Use this code when overbuild has greater sag than the lower cond(s) on the same span, or when there is unequal sag of cond(s) on the same span, or inspector determines during windy conditions cond(s) may make contact (slap). Use this code also when lower (secondary) cond(s) sag. Make further comments in the MDT.		Follow-up fix by crew; in accordance with OH Standards	OH225 OH820.2 OH755.1
269	Damaged Conductors	Use this code if conductors are broken, severely bent, or severely corroded. Make further comments in the MDT.	Notify Electric Supervisor for immediate repair for critical condition and stand by until Supv is on site.	Follow-up fix by crew	OH225
270	Damaged / Missing Guy Guard	GO 95 Rule 56.9 requires a guy guard to be securely attached to all anchor guys. Use this code when guy guard is twisted, bent, cut, unsecured, or missing.	Replace damaged guy guard or install new.		OH225 OH975 OH927
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Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
274	Guy Grounded	GO 95 Rule 56.7B requires an insulator to be installed on each anchor guy. Use this code when a portion of guy above the insulators is grounded by trees, building, messenger, metal-sheathed cables or other similar objects. If caused by trees, send an I/O to Veg Mgmt and follow-up with district crew work. If caused by CIP wires, district to schedule joint meet w/CIP as needed for resolution.		Notify Supv to field for determining resolution. Follow-up fix by crew along with joint meets if needed. Install insulators as appropriate.	OH909 OH910 OH928
276	Slack Anchor Guy	GO 95 Rule 56.2 requires where mechanical loads imposed on poles are greater than can be supported, additional strength shall be provided by the use of guys or other suitable condition. Use this code when an anchor guy is loose.		Follow-up fix by crew	OH225 OH920
277	Damaged / Missing Guying	Use this code when strands are missing, broken, severely bent, or corroded, when there is evidence of vehicular contact, when there is corrosion or damage to guy grips, anchors or hardware. Make comments in the MDT. Also use if it is determined through pole loading that SDG&E guy/anchoring is required.		Follow-up fix by crew	OH925- OH928 OH961- OH966
278	Slack Span Guy	Use this code when any guy other than an anchor guy is loose.		Follow-up fix by crew	OH908
282	Bolt Covers Missing	Use this code whenever bolt covers are missing.		Follow-up fix by crew.	OH1145
283	Damaged/ Missing/ Incorrect Station Pole ID	Per SDG&E standards, use this code whenever the station identification, size, or pole number is damaged, missing or incorrect. Make further comments in the MDT.	Fix on site if damaged. Replace old Cal-grid or other non-standard pole number. Use pole number shown on the map.	If pole number is unknown or missing, submit GMDT to EGIM. Follow-up fix	OH211 OH208
298	Infraction, No Applicable Code	Use this code to identify infraction conditions that do not have an existing code but need immediate repairs. Provide comments in MDT. Do not use this code for CIP issues.	Notify Electric Supervisor for critical conditions and stand by until Supv is onsite	Follow-up fix by crew.	CMP Manual
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318	Trees/Veg in Proximity to Primary	Use this code when trees are 18 inches or closer to primary conductors outside of the HFTD , OR 48 inches or closer to primary conductors in the HFTD .	For trees/veg, use street address, leave door hanger for affected customers, for vegetation removal obtain signed removal card, qty of trees, use abbrev key. Record in the MDT. Do not send in an IO. Call in emergencies (i.e., tree in contact or occasional contact with primary voltage conductor) to Veg Mgmt. Help Desk – 858-654-8608.	Repairs completed by Veg Mgmt.	GO 95 Rule 35
319	Trees/Veg. Contacting Open Wire Secondary	Use this code when trees/veg is contacting open wire secondary pole-to-pole.			
320	Veg in Secondary (SSC/Aerial Cable) - Trim	Use this code for Secondary SSC/Aerial Cable (Pole-to-Pole) with only immediate heavy strain or abrasion for which a tree trim is recommended. Record in the MDT. Do not send in an IO.			
321	Veg in Secondary (SSC/Aerial Cable) - Guard	Use this code for Secondary SSC/Aerial Cable (Pole-to-Pole) with only immediate heavy strain or abrasion for which a tree guard is recommended.			
322	Veg in Secondary (SSC/Aerial Cable) - Reroute	Use this code for Secondary SSC/Aerial Cable (Pole-to-Pole) with only immediate heavy strain or abrasion for which a reroute is recommended.			
323	Veg in Service - Guard	Use this code for Services (Pole-to-House) with only immediate heavy strain or abrasion for which a tree guard is recommended.			
324	Veg in Service - Slack	Use this code for Services (Pole-to-House) with only immediate heavy strain or abrasion for which slacking the line is recommended.			
325	Veg in Service - Reroute	Use this code for Services (Pole-to-House) with only immediate heavy strain or abrasion for which a reroute is recommended.			
326	Veg in Service - Trim	Use this code for Services (Pole-to-House) with only immediate heavy strain or abrasion for which a tree trim is recommended.			
327	Vegetation Climbing Space Obstruction	Use this code for any tree or vegetation in climbing space or any vegetation is in contact with Galvanized or Weathering steel pole the buildup of vegetation and organic material on and around weathering steel concentrates moisture. Constant exposure to moisture is adverse to the patina and excessive corrosion will occur. For maintenance only, do not enter this code where there is quadrant climbing space available below secondary. Use code 225 for private property, code 226 for SDG&E, or code 402 for CIP caused.			
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Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
332	Veg in Guy - Heavy Strain or Abrasion	Use this code for guying with immediate heavy strain or abrasion for which a tree trim is recommended. Use code 274 and send Veg Mgmt I/O if guy is grounded by veg.	See Previous page	Repairs completed by Veg Mgmt.	GO 95 Rule 35
402	CIP Climbing Space Obstruction	NONCONFORMANCE. GO 95 Rule 54.7A-3 OH Standard 251 allows specific climbing space obstructions. GO 95 Rule 54.7 allows quadrant climbing space (30"x30") up through the communications level. Do not enter this code where there is quadrant climbing space available below secondary and CIP lines that are attached to pole. Refer to "climbing space diagram". Use this code when climbing space infractions are caused by CIP i.e. PVC Riser, Service Drop, and/or other CIP equipment. Equipment could be mounted on pole or at base of pole. Use code 226 for SDG&E, code 225 for Private Property, or code 327 for Vegetation.	Note equipment in climbing space and company name in comments and take picture(s).	District to process Notice within 45 business days; follow ESP 607.	ESP607
407	CIP Owned Pole Leaning or Potential Overload	SAFETY HAZARD. GO 95 Rule 18 A4 & Rule 47.3 & 48 requires that loads imposed on poles are balanced. Poles being pulled over and leaning more than 10 degrees from the vertical position shall be considered leaning badly. 10 degrees is equal to 7 ft. off center for a 45' pole; however, 7 ft. is adequate for all poles. Use this code for CIP poles that appears to require guying, anchoring or reinforcement and/or showing signs of bowing or distortion. GO Rule 44.3 requires lines or parts thereof shall be replaced or reinforced before safety factors have been reduced (due to deterioration or changes in construction arrangement or other conditions subsequent to installation). For SDGE owned pole, use code 207. Use this code also for CIP only poles (up to 3 spans away) that are adversely affecting SDG&E pole - closest SDGE pole number will be the parent pole for the code.	For Critical Conditions, notify Elec Supv and contact TROUBLE to make emergency call to CIP who owns pole. Stand by until CIP or SDG&E Supv is on-site. Non-Critical: Note in comments action taken if any, details, CIP name, and take picture(s).	District to process Safety Hazards within 5 business days as per ESP607. District to perform loading calculations within 90 days to determine if SDG&E overloaded the CIP pole. District to follow ESP 607 with CMG after reviewing pole loading results.	ESP607
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Overhead Infraction Conditions

Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
408	CIP Anchor required on SDG&E Owned Pole	<p>SAFETY HAZARD. Use this code for poles that confirm after loading analysis that the respective CIP needs to guy / anchor their equipment on SDG&E owned poles or increase lead or increase size of current guy/anchor. GO 95 Rule 44.3 requires lines or parts thereof shall be replaced or reinforced before safety factors have been reduced (due to deterioration or changes in construction arrangement or other conditions subsequent to installation).</p> <p>This is a follow-up condition code only. Not available to field inspectors.</p>	This is a follow-up condition code, only to be uploaded as a 1J.	District to process Safety Hazards within 5 business days of reviewing load calculation; follow ESP 607.	ESP607
409	SDG&E Pole requires Replacement due to confirmed CIP Damage	<p>SAFETY HAZARD. Use this code for poles that confirm after loading analysis has been performed, that the respective CIP has damaged the SDG&E owned pole. GO 95 Rule 44.3 requires lines or parts thereof shall be replaced or reinforced before safety factors have been reduced (due to deterioration or changes in construction arrangement or other conditions subsequent to installation).</p> <p>This is a follow-up condition code only. Not available to field inspectors.</p>	This is a follow-up condition code, only to be uploaded as a 1B.	District to process as per ESP 149. The district will manage as per ESP 149 and ESP 607 guidelines .	ESP149 ESP607
420	CIP Wire Heavy Strain/ Abrasion due to Vegetation	<p>NONCONFORMANCE. GO 95 Rule 35. Use this code when there is heavy strain or abrasion on CIP wires due to vegetation that could impact SDG&E's system (includes pole to pole and pole to building). Heavy strain on CIP conductors has a potential to affect pole loading and Electrical conductor stability.</p>	<p>For Critical Conditions, notify Elec Supv and contact TROUBLE to make emergency call to CIP who is responsible for condition and stand by until CIP or SDG&E Supv is on-site.</p> <p>Note in comments action taken, details, CIP name, and take picture(s)</p>	District to process Notice within 45 business days; follow ESP 607.	ESP607

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Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
438	CIP Not Transferred to New Pole Non-Immediate Transfer Required	NONCONFORMANCE. Use this code where SDG&E has installed a new pole and the CIP has not transferred off the old pole and there is not a significant threat to life or property. If in the opinion of the inspector; the condition constitutes a significant threat to human life or property, use Code 439 instead.	Provide the CIP name and a description in the comment field. Take picture(s).	District to process Notice within 45 business days; follow ESP607.	ESP607
439	CIP Not Transferred to New Pole –Immediate Transfer Required	SAFETY HAZARD. Use this code where SDG&E has installed a new pole and the CIP has not transferred off the old pole, and in the opinion of the inspector, the old pole condition constitutes a significant threat to human life or property.	Notify Elec Supv for critical condition and contact TROUBLE to make emergency call to CIP who is responsible for condition or who owns pole and stand by until CIP or SDG&E Supv is on-site. Note in comments action taken and condition details, CIP name, and take picture(s).	District to process Safety Hazards within 5 business days; follow ESP607 flowchart.	ESP607
446	CIP Owned Pole or Stub Pole Damaged or Broken or Abandoned	SAFETY HAZARD. Use this code if the pole is a CIP owned pole and the pole is broken or damaged. Make further comments in the MDT as to type of damage. If pole or stub pole is SDG&E owned or customer owned, then use code 246. Use as a follow-on code by Ops Asst if the CIP Owned pole is an abandoned/ idle pole stub.	Notify Elec Supv for critical conditions and contact TROUBLE to make emergency call to CIP who owns pole. Stand by until CIP or SDG&E Supv is on-site. Note in comments action taken and condition details, CIP name, and take picture(s).	District to process Safety Hazard within 5 business days; following ESP 607. Perform loading calculations & review within 90 days to determine who caused damage.	ESP607
454	CIP Insufficient Clearance between Primary Wire and CIP Wire	SAFETY HAZARD. GO 95 Rule 38 Table 2 sets wire to wire clearance requirements. Refer to OH Standard for review of these requirements. Use this code when there is insufficient clearance on pole or mid-span less than 6-feet between primary and CIP wires.	For Critical Conditions, notify Elec Supv and contact TROUBLE to make emergency call to CIP and stand by. Provide the CIP's name and a description in the comments field. Take picture(s).	District to process Safety Hazard within 5 business days; following ESP 607.	OH221 OH224 OH228 OH262 OH236 OH908 OH1406 OH1530 OH1533 ESP607
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Overhead Infraction Conditions

Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
455	CIP Insufficient Clearance Midspan between Open Wire Secondary and CIP Wire	SAFETY HAZARD. GO 95 Rule 38 Table 2 sets wire to wire clearance requirements. Refer to OH Standard for review of these requirements. Use this code when there is insufficient clearance mid-span less than 4-feet between open wire secondary and CIP wire.	For Critical Conditions, notify Elec Supv and contact TROUBLE to make emergency call to CIP and stand by. Provide the CIP's name, location of issue, description, measurement, take picture(s).	District to process Safety Hazard within 5 business days; following ESP 607	OH224 ESP607
456	CIP Insufficient Clearance at Pole between Open Wire Secondary and CIP Wire	SAFETY HAZARD. GO 95 Rule 38 Table 2 sets wire to wire clearance requirements. Refer to OH Standard for review of these requirements. Use this code when there is insufficient clearance on pole less than 4-feet between open wire secondary and CIP wires. Guard arm may be required.	For Critical Conditions, notify Elec Supv and contact TROUBLE to make emergency call to CIP and stand by. Provide the CIP's name, description, measurement, take picture(s).	District to process Safety Hazard within 5 business days; following ESP 607	OH221 OH224 OH262 ESP607
457	CIP Insufficient Clearance at Weatherhead between Open Wire Secondary and CIP Wires	SAFETY HAZARD. GO 95 Rule 38 Table 2 sets wire to wire clearance requirements. Refer to OH Standard for review of these requirements. Use this code when there is insufficient clearance at the weatherhead (1 foot) between open wire secondary and CIP wires.	Provide the CIP's name, description/ house number of weatherhead location, measurement, and take picture(s).	District to process Safety Hazard within 5 business days; following ESP 607.	ESP607
458	CIP Insufficient Clearance between SDG&E Insulated Wires and CIP Wires	NONCONFORMANCE. GO 95 Rule 38 Table 2 sets wire to wire clearance requirements. Refer to OH Standard for review of these requirements. Use this code when there is Insufficient clearance: (a) on pole no less than 4-feet from triplex secondary, requires guard arm; (b) mid-span with triplex secondary; (c) from primary insulated cable riser opening; (d) from secondary insulated cable riser opening; (e) at weatherhead-triplex If guy is grounded above insulator – use code 274 and make critical.	Note the location of the condition: at midspan, pole, or weatherhead. Provide the CIP's name, measurement, description, and take picture(s).	District to process Notice within 45 business days; follow ESP 607.	OH224 OH262 OH908 OH1406 OH1509 OH1530 OH1533 ESP607

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Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
459	CIP Insufficient Ground Clearance CIP Wires - Vehicular Traffic	SAFETY HAZARD. GO 95 Rule 37 Table 1 cases 1-4, 11, and 12, sets vertical ground clearances. Refer to OH Standards for review of these requirements. Use this code for (a) pole to pole CIP ground clearance over an area where vehicles can or do travel or (b) pole to building CIP ground clearance issues and if line is low over a street, alley, driveway, parking lot, etc where vehicles could routinely travel and snag line.	Notify Elec Supv for critical conditions and contact TROUBLE to make emergency call to CIP who is responsible for condition and stand by until CIP or SDG&E Supv is on-site. Note the location of the condition: at midspan, at the pole. Provide the CIP's name, ground measurement, description and take picture(s)	District to process Safety Hazard within 5 business days; following ESP 607	OH224 ESP607
460	CIP Insufficient Ground Clearance CIP Wires – Non-Vehicular Traffic	NONCONFORMANCE. GO 95 Rule 37 Table 1 cases 1-4, 11, and 12, sets vertical ground clearances. Refer to OH Standard to review these requirements. Use this code for: (a) pole to pole CIP ground clearance or (b) pole to building CIP ground clearance issues NOT over an area where vehicles can or do travel. NOTE: if line could be reached by pedestrians who could pull on wire and cause poles to move and could jeopardize SDG&E equipment, condition should be elevated to Safety Hazard Code 459	Note the location of the condition: at midspan or at pole. Provide the CIP's name, description, ground measurement, and take picture(s).	District to process Notice within 45 business days; follow ESP 607.	OH224 ESP607
464	CIP Lashing Wire Broken/ Loose	SAFETY HAZARD. Hazardous condition(s) created by CIP broken/loose lashing wire. Lashing wire is used to support CIP wire. Lashing wire can become unraveled creating the potential to contact SDG&E lines or equipment.	For Critical Conditions, notify Elec Supv and contact TROUBLE to make emergency call to CIP and stand by. Provide the CIP's name and a description in the comments field. Take picture(s).	District to process Safety Hazard within 5 business days; following ESP 607	ESP607

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Code	Description	GO 95 Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
465	CIP Equipment /Wires Hanging Loose - Not Secured	<p>SAFETY HAZARD. CIP wires and junction boxes hanging loose and unsecured with the potential to contact SDG&E lines/ equipment or could pose a public threat should be reported using this code.</p> <p>CIP equipment on the ground should also be reported using this code.</p> <p>NOTE: If the inspector temporarily secures the equipment, they should use non-conformance Code 466 to downgrade the condition.</p>	<p>Note the location of the condition, description, and CIP's name in comments field. Take picture(s).</p> <p>If critical, stand by and contact Elec Supv to call assistance to temporarily secure lines.</p>	District to process Safety Hazard within 5 business days; following ESP 607	ESP607
466	CIP Wires Hanging Loose - Temporarily Secured	<p>NONCONFORMANCE. CIP wires hanging loose have the potential to contact SDG&E lines or equipment.</p> <p>Use this code if the inspector found the equipment already secured or temporarily secured the loose wire (staple, strap, etc), such that it cannot make contact with Elec wires. If it is not temporarily secured, use safety hazard Code 465.</p>	<p>Temporarily secure loose wires if job classification allows.</p> <p>Note the location of the condition, description, and CIP's name in comments field. Take picture(s).</p>	District to process Notice within 45 business days; follow ESP 607.	ESP607
481	Pole replacement from POIN	<p>Use this code when a pole coded 682 for C-truss repair is determined by the Elec Supv to need replacement or when the pole in question cannot be c-truss.</p> <p>This is a follow-up condition code only. Not available to field inspectors.</p>	This is a follow-up condition code only.	Use system of record and enter as pending. The date of reassessment warranting a change from a 682 to 481 shall be the effective date for the new code 481. Add comments to 682 referring to a change to 481 code. Then complete cancel 682 code.	
ISSUED BY			APPROVED BY		
G TRAVERS / JASON HOM			GERARD LEHMANN		

DEPARTMENT ASSET MANAGEMENT		DIVISION PROGRAM MANAGEMENT		EFFECTIVE DATE JULY 19, 2018	
SECTION CORRECTIVE MAINTENANCE					
SUBJECT TITLE VISUAL INSPECTION OF POLES AND EQUIPMENT					
Overhead Reliability Conditions					
Code	Description	Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
32	Pothead Leaking	Use this code where the insulating gel is leaking from the pothead.		Turn in follow-up to Electric Supervisor	ESP601
33	Pothead Chipped/Broken	Use this code where the pothead shows signs of cracks, chips or are broken.		Turn in follow-up to Electric Supervisor	ESP601
36	Need Barrier Post For Vehicular Traffic	Use for all equipment that may be subjected to vehicular traffic or vehicular contact in alleys, parking lots, etc. and need barrier posts.		Turn in follow-up to Electric Supervisor.	ESP601
150	Other Reliability, no applicable code	Use this code to identify reliability conditions that do not have existing codes. Provide comments in MDT.		Follow-up as required	
208	Tags Missing (PN Sign)	SDG&E Electric Standards requires that when the primary phase and primary neutral cannot be distinguished then the primary neutral shall be identified by a "PN" sign.		Follow-up fix by crew; install "PN" sign on primary neutral.	OH208
220	Guy Buried	Use this code when the anchor rod eye is buried or less than six inches above the ground. Install an anchor rod extension.	Uncover on-site if possible	Follow-up fix by crew	OH927.1
227	Damaged/Missing Warning Signs (Mr Ouch)	OH Standards, item 10, requires warning sign (Mr. Ouch sign) on poles with energized electrical facilities (secondary and above). Place sign 9' above ground.		Fix on site	
233	Stand-off Pin Missing /Damaged	Use this code when the stand-off is damaged or missing.		Follow-up fix by crew	OH1145
255	Multiple Splices on OH Span of Wire	Use this code when there are 3 or more splices on one phase between two poles on primary conductors (12kV- 2.4kV).	Note type of splice (i.e. union splice, compression sleeve, automatic sleeve, etc.) and quantity of each in MDT comments. Take picture(s) and make note in comments on MDT. If there are 5 or more splices, notify district engineer.	Engineering review with Elec Supv.	OH 720 ESP 007
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DEPARTMENT ASSET MANAGEMENT	DIVISION PROGRAM MANAGEMENT	EFFECTIVE DATE JULY 19, 2018
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 SECTION
CORRECTIVE MAINTENANCE

 SUBJECT TITLE
VISUAL INSPECTION OF POLES AND EQUIPMENT
Overhead Reliability Conditions

Code	Description	Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
257	Overhead Connectors Directly on the Line	Use this code when hot line clamps, parallel groove connectors, split bolts or other mechanical connectors are tapped directly on the primary conductors (12kV – 2.4kV).	Note type of connector and quantity of each in MDT comments.	Follow-up crew to install stirrup or wedge connector/ stirrup combination	OH788
600	Yellow Tag on Pole	Use this code to identify when a yellow tag is on the pole from the Wood Pole Inspection contractor. The yellow tag identifies that a pole reinforcement was recommended by the contractor.	If pole reinforcement is installed, yellow tag can be removed, collect date stamp on tag	F/U with Supv or Wood Pole Contract Administrator for status of pole reinforcement	ESP601 OH208
681-699 Series	POIN Intrusive Wood Pole Inspection (contractor)	Reference Intrusive Wood Pole Inspection Codes 681-699 in CMP Manual POIN Table. To be entered only by Wood Pole Inspection Contractor.			CMP Manual

Overhead Discretionary Conditions

Code	Description	Requirements and Overhead Standards	On-Site Maintenance	Follow-up Maintenance	Ref.
006	Cable Pole Tag Missing	Equipment requires labeling. Use this code when the cable pole tag is missing.		Follow-up fix by crew	ESP601 OH208
299	No Repairs Needed				

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