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OVERHEAD CONSTRUCTION QC INSPECTION PROCESS FOR TRANSMISSION ASSETS			

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ATTACHMENTS

None


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1.0 PURPOSE

- 1.1 This procedure describes the SCE Quality Control (QC) activities utilized to provide independent oversight and reporting of the Transmission Overhead Construction Inspection (OTI) Program. Independent SCE QC inspections of assets are performed to assess the construction performed by SCE and Contractor construction crews, and to provide reasonable assurance that field construction requirements are being met.
- 1.2 SCE QC inspections for OTI are based on sampling techniques defined by Governance and Reporting.
- 1.3 SCE QC inspection results are provided to Governance and Reporting for reporting purposes. The information provided is intended to drive performance improvement.

2.0 RESPONSIBILITIES

- 2.1 The QC Senior Manager reports to the Compliance and Quality (C&Q) Principal Manager and is responsible for the overall QC Program development, implementation, and continuous improvement.
- 2.2 The QC Operations Manager(s) is responsible for the day-to-day operations of the OTI QC program and for assuring only personnel qualified to PQS OQAOTI, “Overhead Transmission Inspections,” are assigned to perform QC inspection activities for transmission overhead construction inspections. Ensures all provided scope is assigned monthly.
- 2.3 QC Inspectors are responsible for performing independent QC inspections of the SCE and contractor construction crews work and for assuring the pole being inspected meets the construction requirements of CPUC General Order (GO) 95 and applicable SCE construction standards.
 - 2.3.1 Transmission poles may contain distribution under build(s). When this situation is encountered, SCE QC will assess to Transmission and Distribution Construction Standards (as applicable).
- 2.4 While performing inspections, QC Inspectors shall adhere to QCDP-004 QC Field Hazard Mitigation desktop procedure.

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3.0 REFERENCES


- 3.1 CPUC General Order 95 – Overhead Electric Line Construction
- 3.2 Transmission Overhead Construction Standard (TOH)
- 3.3 Distribution Overhead Construction Standard (DOH)
- 3.4 Distribution Apparatus Construction Standard (DAP)
- 3.5 SCE Accident Prevention Manual
- 3.6 QCP-003 Qualification and Training of QC Personnel
- 3.7 QCP-007 Overhead Construction Quality Control Inspection Process for Distribution Equipment
- 3.8 QCDP-004 QC Field Hazard Mitigation
- 3.9 GP-013 Data Trending Process

4.0 PREREQUISITES

- 4.1 Verify this document is current by reviewing the “Quality Control Document Revision Index.”
- 4.2 QC personnel performing Transmission Overhead Construction Inspections shall be qualified to Personnel Qualification Standard OQAOTI, “Overhead Transmission Inspections.”
 - 4.2.1 If the Transmission pole contains a distribution under build, inspectors shall also be qualified to Personnel Qualification Standard C&Q DOCI, “Distribution Overhead Construction Inspections.”

5.0 PRECAUTIONS

- 5.1 QC personnel performing overhead construction inspections shall wear appropriate personnel protective equipment and meet the relevant requirements of the SCE Accident Prevention Manual.
- 5.2 QC inspectors will not perform any electrical work on/or in the structure/equipment, especially on energized equipment.

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6.0 PROCEDURE

6.1 Workflow / Assignment


- 6.1.1 Independent SCE QC inspections are performed for the work completed by SCE and Contractor construction crews.
- 6.1.2 Selection of work is provided by G&R monthly.

6.2 Inspection

- 6.2.1 The SCE QC Inspector shall review assigned work prior to going to the field to verify no documentation issues exist that would result in inspection delays. In the absence of documentation, proceed with inspection of entire structure per SCE standards and GO95.
- 6.2.2 The SCE QC inspector performs inspections of the assigned structure and records the results in the Survey 123 app. Technical issues/concerns may be raised through management/supervision or to the QC OTI subject matter expert.
- 6.2.3 The SCE QC inspector assesses the SCE and contractor's work to assure the pole being assessed meets the applicable GO 95 and SCE construction standard requirements (TOH) and that no potential GO infractions exist. Any misidentified items (GO infractions or noncompliance to SCE construction standards) or issues that affect safety/reliability will result in a failed structure for the purposes of assessing the SCE and contractor's overall performance.
 - 6.2.3.1 When the transmission poles contain distribution under build(s), the distribution section will be assessed to the DOH and GO95.
- 6.2.4 QC inspection records shall specify the structure inspected, the inspector, the date of the inspection, and any problems (or items requiring corrective action) identified during each inspection. The QC inspector should clearly annotate the GO infraction, SCE construction standard non-compliance, or issue that has not been satisfied.

6.3 Acceptance Criteria

- 6.3.1 Acceptability of product being inspected is obtained from GO 95 and the TOH (for transmission construction).

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6.3.2 Acceptance criteria for distribution underbuilds is obtained from the DOH.

6.4 Documentation

6.4.1 The SCE QC inspector documents completed inspection results in the Survey 123 / QC Input Form. Documentation shall include photographs of the structure and any identified nonconforming conditions.

6.5 Checkpoint Review

6.5.1 Nonconforming conditions identified by QC inspectors for each month are reviewed for accuracy during the checkpoint review process. The checkpoint review process provides a learning opportunity and continuous improvement in the inspection process.

6.5.2 Office SME to review inspection results for the month and communicate to Governance and Reporting for reporting process.