

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
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September 8, 2026

CA2026-1446

Mike Stanley
Operations Supervisor
Astound Broadband
200 Paul Avenue, Suite 301
San Francisco, CA 94124

SUBJECT: Communications Infrastructure Provider (CIP) Audit of Astound Broadband
Peninsula Service Area

Mr. Stanley:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission (CPUC), Gordon Szeto and Monica Hoskins of ESRB staff conducted a CIP audit of Astound Broadband (formerly Wave) Peninsula Service Area from June 1 through June 5, 2026. During the audit, ESRB staff conducted field inspections of Astound's facilities and equipment and reviewed pertinent documents and records.

As a result of the audit, ESRB staff identified violations of General Order (GO) 95 and GO 128. A copy of the audit findings itemizing the violations and observations is enclosed. Please provide a response no later than October 6, 2026, via electronic copy of all corrective actions and preventive measures taken by Astound to correct the identified violations and prevent the recurrence of such violations and observations.

Please note that ESRB will be posting the audit report and your response to our audit on the CPUC website. If there is any information in your response that you would like us to consider as confidential, we request that in addition to your confidential response, you provide us with a public version (a redacted version of your confidential response) to be posted on our website.

If you have any questions concerning this audit, please contact Gordon Szeto at gordon.szeto@cpuc.ca.gov or (415) 603-9855.

Sincerely,

A handwritten signature in blue ink, appearing to read "Rickey Tse".

Rickey Tse, P.E.
Program and Project Supervisor
Electric Safety and Reliability Branch
Safety and Enforcement Division
California Public Utilities Commission

Enclosure: CPUC Audit Findings of Astound Peninsula Service Area

Cc: Lee Palmer, Deputy Executive Director, Safety Policy Division, Water Division, CPUC
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**ASTOUND PENINSULA SERVICE AREA
COMMUNICATIONS AUDIT FINDINGS
June 1 – 5, 2026**

I. Records Review

Electric Safety and Reliability Branch (ESRB) staff reviewed the following standards, procedures, and records for Astound's Peninsula Service Area:

- Excel Spreadsheet GO 95 Master List Peninsula 2021-2026.xlsx of Patrol and Detailed Inspection Records, Work Orders, Third Party Notifications Issued and Received from March 1, 2021 to March 1, 2026
- General Order 95 - Rule 12_2
- General Order 95 - Rule 44_2
- General Order GO95_Astound Training
- GO95 Training Roster - San Francisco – 2026
- Excel Spreadsheet Astound Plant Details – Peninsula.xlsx
- KMZ Maps for Burlingame, Daly City, Redwood City, San Francisco, San Mateo and South San Francisco
- Pole Loading Calculations from March 1, 2025 to March 1, 2026
- New Construction Projects from March 1, 2025 to March 1, 2026
- CPATFlex - CLI Driveout - San Mateo 2019-2026 High Fire Threat Area - Tier 2.xlsx Patrols in Tier 2 Sites
- High Fire Threat Area - Tier 2 - San Mateo.png Map

II. Records Violations

ESRB staff observed the following violations during the record review portion of the audit:

1. General Order (GO) 95, Rule 18-B, Maintenance Programs states in part:

“Each company (including electric utilities and communications companies) shall establish and implement an auditable maintenance program for its facilities and lines for the purpose of ensuring that they are in good condition so as to conform to these rules. Each company must describe in its auditable maintenance program the required qualifications for the company representatives who perform inspections and/or who schedule corrective actions. Companies that are subject to GO 165 may maintain procedures for conducting inspections and maintenance activities in compliance with this rule and with GO 165.

The auditable maintenance program must include, at a minimum, records that show the date of the inspection, type of equipment/facility inspected, findings, and a

timeline for corrective actions to be taken following the identification of a potential violation of GO 95 or a Safety Hazard on the company's facilities."

(1) "Companies shall undertake corrective actions within the time periods stated for each of the priority levels set forth below.

a. The maximum time periods for corrective actions associated with potential violation of GO 95 or a Safety Hazard are based on the following priority levels:

i. Level 1 -- An immediate risk of high potential impact to safety or reliability:

- Take corrective action immediately, either by fully repairing or by temporarily repairing and reclassifying to a lower priority.*

ii. Level 2 -- Any other risk of at least moderate potential impact to safety or reliability:

- Take corrective action within specified time period (either by fully repair or by temporarily repairing and reclassifying to Level 3 priority). Time period for corrective action to be determined at the time of identification by a qualified company representative, but not to exceed: (1) six months for potential violations that create a fire risk located in Tier 3 of the High Fire-Threat District; (2) 12 months for potential violations that create a fire risk located in Tier 2 of the High Fire-Threat District; (3) 12 months for potential violations that compromise worker safety; and (4) 36 months for all other Level 2 potential violations.*

iii. Level 3 -- Any risk of low potential impact to safety or reliability:

- Take corrective action within 60 months subject to the exception specified below."*

a. Astound's GO 95 training material had defined priority levels:

- Level 1 – Immediate Safety/Reliability Risk – Fix immediately
- Level 2 – Moderate Risk – Fix within 6-12 months depending on fire-threat zone
- Level 3 – Low Risk – up to 60 months for correction.

However, Astound's records for its work orders and Repair Tickets (RT) did not assign priority levels or due dates. Therefore, Astound did not demonstrate that it prioritizes or schedules corrective actions associated with potential violations of GO 95 in accordance with GO 95, Rule 18-B(1).

b. Astound's GO 95 training material on Communication Line Clearances stated that at the pole, the clearance distance was 40 inches between the power and broadband drop. GO 95 Table 2 row 8 column D requires a clearance of 48 inches.

c. Astound recorded six work orders as completed, but these work orders were not actually completed when ESRB observed the locations in the field. These work

orders are listed in Table 1 below:

Table 1: Work Orders Not Actually Completed

Date Created	RT Ticket	Project Description	Address	City
7/12/21	6838607	There is not 4' of separation of Wave and power	3NWO Chilco St Along Bayfront Expwy	Menlo Park
3/10/26	N/A	Pole Transfer	719 Crystal Springs Rd	Hillsborough
7/28/25	10352228	Conductor Inadequate Clearance	210 Chestnut Ave	South San Francisco
3/8/23	7213388	Wave too close to power	Brannan & 3 rd St	San Francisco
9/8/21	6876263	Cable Laying on Comcast	3527 18 th St	San Francisco
3/18/24	9869915	STRD COND (LOOSE)	160 Santa Marina St	San Francisco

2. General Order (GO) 95, Rule 80.1A(1) – Inspection Requirements for Join-Use Poles in High Fire Threat District states in part:

“In Tiers 2 and 3 of the High Fire-Threat District, the inspection intervals for (i) Communication Lines located on Joint Use Poles (See Rule 21.8) that contain Supply Circuits (See Rule 20.6-D), and (ii) Communication Lines attached to a pole that is within three spans of a Joint Use Pole with Supply Circuits, shall not exceed the time specified in the following Table.”

Inspection	Tier 2	Tier 3
Patrol	2 Years	1 Year
Detailed	10 Years	5 Years

ESRB requested inspection records for 10 years at Tier 2 locations. Astound provided records for the eight-year period from 2019 to 2026. Astound did not perform Patrols every 2 years in Tier 2 High Fire Threat District (HFTD) sites based on ESRB’s review of Patrol records in Tier 2 areas.

Astound did not provide any detailed inspection records for Tier 2 locations for the eight-year period from 2019 to 2026.

3. GO 95, Rule 80.1-A(4), Record Keeping states:

“Each company shall maintain records for at least ten (10) years that provide the following information for each facility subject to this rule: The location of the facility, the date of each inspection of the facility, the results of each inspection, the personnel who performed each inspection, the date and description of each corrective action, and the personnel who performed each correction action. Commission staff shall be permitted to inspect records consistent with Public Utilities Code Section 314 (a).”

The records for Tier 2 HFTD Patrols did not have the results of the Patrol inspection and did not identify the personnel who performed the Patrols in Tier 2 sites.

4. GO 95, Rule 80.1-A(2) – Statewide Inspection Requirements states in part:

“Each company shall prepare, follow, and modify as necessary, procedures for conducting patrol or detailed inspections for all of its Communication Lines throughout the State. Consistent with Rule 31.2, the type, frequency and thoroughness of inspections shall be based upon the following factors:

- Fire threat*
- Proximity to overhead power line facilities*
- Terrain*
- Accessibility*
- Location, including whether the Communications Lines are located in the High Fire-Threat District*

Each company’s procedures shall describe (i) the methodology used to ensure that all Communication Lines are subject to the required inspections, and (ii) the procedures used for specifying what problems should be identified by the inspections. The procedures used for specifying what problems should be identified by the inspections shall include a checklist for patrol inspections.”

Astound did not provide procedures for conducting Patrols or Detailed Inspections on all communication lines throughout the state. The procedure on Patrols and Detailed Inspections for non-tier 2 and 3 locations is missing.

5. GO 128, Rule 17.2, Inspection states in part:

“Systems shall be inspected by the operator frequently and thoroughly for the purpose of insuring that they are in good condition and in conformance with all applicable requirements of these rules.”

Astound provided no procedure to ensure underground assets are inspected thoroughly and completely as required by GO 128.

III. Field Inspection

During the field inspection, ESRB inspected the following facilities:

Site	Structure Type	Address	GPS Coordinates: Latitude, Longitude	City
1	Pole	972 Jackson St	37.79538195, -122.4110975	San Francisco
2	Pole	1142 Washington St	37.79440194, -122.4121787	San Francisco
3	Pole	1342 Washington St	37.79399188, -122.4154043	San Francisco
4	UG Vault	1330 Jones St	37.79358039, -122.41470548	San Francisco
5	UG Vault	1420 Jones St	37.7943884, -122.41484221	San Francisco
6	UG Vault	1424 Jones St	37.79442604, -122.41492126	San Francisco
7	Pole	1397 Vallejo St	37.79715083, -122.4201255	San Francisco
8	Pole	1556 Hyde St	37.79523524, -122.4182824	San Francisco
9	Pole	1544 Hyde St	37.79511753, -122.4182637	San Francisco
10	Pole	1390 Jackson St	37.79458916, -122.4180065	San Francisco
11	Pole	1224 Hyde St	37.79227657, -122.4176102	San Francisco
12	Pole	Chilco St and Bayfront Expressway	37.48295612, -122.16816377	Menlo Park
13	Pole	Chilco St and Bayfront Expressway	37.48313567, -122.1687548	Menlo Park
14	Pole	Chilco St and Bayfront Expressway	37.4834508, -122.1695608	Menlo Park
15	Pole	167 Constitution Drive	37.4845802, -122.17283754	Menlo Park
16	Pole	169 Constitution Drive	37.48478248, -122.1736019	Menlo Park
17	Pole	185 Constitution Drive	37.48495491, -122.1740331	Menlo Park
18	Pole	303 Cedar St	37.48103988, -122.2235563	Redwood City
19	Pole	1568 Hudson St	37.46957504, -122.2247009	Redwood City
20	Pole	1533 Union St	37.46559428, -122.2281215	Redwood City
21	Pole	2080 Idaho Court	37.45416198, -122.2308333	Redwood City
22	UG Vault	1200 Redwood Ave	37.4689880, -122.23241236	Redwood City
23	Pole	1220 Redwood Ave	37.46889885, -122.2325425	Redwood City
24	Pole	659 Oak Ave	37.47271795, -122.2296292	Redwood City
25	Pole	600 Oak Ave	37.4733588, -122.2287925	Redwood City
26	Pole	503 Oak Ave	37.47388683, -122.2281006	Redwood City
27	Pole	439 - 465 Oak Ave	37.47440984, -122.227434	Redwood City
28	Pole	614 Redwood Ave	37.47226982, -122.2281281	Redwood City
29	UG Vault	100 Vera Ave	37.48025503, -122.2277977	Redwood City
30	Pole	100 Vera Ave	37.48012704, -122.2280086	Redwood City
31	Pole	231 41 st Ave	37.5277886, -122.297585	San Mateo
32	Pole	329 Midvale Ave	37.5251347, -122.30073	San Mateo
33	Pole	423 La Casa Ave	37.52371218, -122.3016971	San Mateo

34	Pole	3607 Laurel Creek Drive	37.52859367, -122.3125082	San Mateo
35	Pole	836 Laurelwood Drive	37.5273346, -122.3162297	San Mateo
36	Pole	600 31 st Ave	37.53350557, -122.3122423	San Mateo
37	Pole	9 Otay Ave	37.53634969, -122.29493177	San Mateo
38	Pole	9 Otay Ave	37.53642821, -122.295249	San Mateo
39	Pole	200 Poinsettia Ave	37.54006231, -122.2911696	San Mateo
40	UG Vault	East Kyne St	37.543015, -122.298634	San Mateo
41	UG Vault	East Kyne and Derby St	37.54288479, -122.2985808	San Mateo
42	UG Vault	Chapman Lane and Landeros Drive	37.54476142, -122.2970644	San Mateo
43	Pole	791 Crystal Springs Rd	37.55313028, -122.3391284	San Mateo
44	Pole	731 Crystal Springs Rd	37.5533853, -122.3388964	San Mateo
45	Pole	724 Crystal Springs Rd	37.55372717, -122.3385223	San Mateo
46	Pole	153 Crystal Springs Rd	37.56127496, -122.3300287	San Mateo
47	Pole	1201 Oak Grove Ave	37.5819351, -122.3515317	Burlingame
48	Pole	1201 Oak Grove Ave	37.58205595, -122.3513739	Burlingame
49	Pole	573 Forbes Boulevard	37.65879781, -122.3861254	South San Francisco
50	Pole	570 Eccles Drive	37.66170593, -122.38933721	South San Francisco
51	Pole	276 Country Club Drive	37.64308428, -122.4328313	South San Francisco
52	Pole	351 Newman Drive	37.65377605, -122.4510593	South San Francisco
53	UG Vault	1103 Del Paso Drive	37.65639283, -122.436726	South San Francisco
54	UG Vault	1103 Del Paso	37.65659047, -122.43698738	South San Francisco
55	Pole	210 Chestnut Ave	37.65902432, -122.4301726	South San Francisco
56	Pole	734 Grand Ave	37.65843347, -122.4245983	South San Francisco
57	Pole	600 Washington Street	37.68785734, -122.4756262	Daly City
58	Pole	629 Washington St	37.68782116, -122.4757478	Daly City
59	Pole	Washington St and Sweetwater Drive	37.6878152, -122.4761926	Daly City
60	UG Pedestal	1614 Edgeworth Ave	37.68756422, -122.4744201	Daly City
61	UG Vault	1624 Edgeworth Ave	37.68731889, -122.47438253	Daly City
62	UG Vault	1644 Edgeworth Ave	37.68704025, -122.47435038	Daly City
63	UG Vault	1652 Edgeworth Ave	37.68689615, -122.47436438	Daly City
64	Pole	704 Maddux Drive	37.69353906, -122.4816275	Daly City
65	Pole	761 Stewart Ave	37.69479592, -122.4845064	Daly City

66	UG Vault	198 Los Banos Ave	37.70544198, -122.46660770	Daly City
67	UG Vault	206 Los Banos Ave	37.70544729, -122.46687535	Daly City
68	UG Vault	208 Los Banos Ave	37.70547701, -122.4670663	Daly City
69	UG Vault	220 Los Banos Ave	37.7054707, -122.4672735	Daly City
70	UG Vault	230 Los Banos Ave	37.70547158, -122.46746282	Daly City
71	Pole	3rd & Brannon St	37.78019762, -122.3941783	San Francisco
72	Pole	501 Brannon St	37.77814356, -122.396706	San Francisco
73	Pole	501 Brannon St	37.77804674, -122.3968102	San Francisco
74	Pole	16th & Shotwell St	37.76519632, -122.4165446	San Francisco
75	Pole	3527 18th St	37.76175863, -122.4222613	San Francisco
76	Pole	160 Santa Marina St	37.7393206, -122.4200411	San Francisco
77	Pole	1767 Church St	37.74307838, -122.4266136	San Francisco
78	Pole	1669 Church St	37.74411204, -122.4268395	San Francisco
79	Pole	1423 Sanchez St	37.74631461, -122.4290989	San Francisco
80	Pole	4324 18th St	37.76075217, -122.4377497	San Francisco

IV. Field Inspection Violations

ESRB identified the following violations during the field inspection:

1. GO 95, Rule 31.1, Design, Construction and Maintenance states in part:

“Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to enable the furnishing of safe, proper, and adequate service.”

ESRB’s findings related to the above rule are listed in Table 2:

Table 2: GO 95, Rule 31.1 Findings

Location	Findings
11	Astound fiber loop is hanging and not stored in snowshoe.
16	Astound has loose lashing wire.
17	Astound has mule tape hanging from top of riser cover.
45	Astound needs to complete pole transfer.
46	Astound has loose lashing wire.
57	Astound has missing lashing wire and fiber cable not properly stored near pole.
58	Astound fiber cable not properly stored at west side of pole.
74	Astound has loose lashing wire.
77	Astound has loose fiber service drop hanging off of tap near pole.
79	Astound needs to complete pole transfer.

2. GO 95, Rule 31.6, Abandoned Lines states in part:

“Lines or portions of lines permanently abandoned shall be removed by their owners so that such lines shall not become a public nuisance or a hazard to life or property. For the purposes of this rule, lines that are permanently abandoned shall be defined as those lines that are determined by their owner to have no foreseeable future use.”

ESRB’s findings related to the above rule are listed in Table 3:

Table 3: GO 95, Rule 31.6 Findings

Location	Finding
24	Astound has an abandoned service drop at 673 Oak Ave.
28	Astound has an abandoned cut service drop near pole.
47	Astound has an abandoned drop which is contacting Comcast strand.
51	Astound has an abandoned service drop at adjacent pole.
55	Astound has an abandoned service drop.
56	Astound has an abandoned service drop and needs to cleanup tap connections.
64	Astound has an abandoned drop at 704 Maddux Drive.
76	Astound has a cut strand at tree several feet from pole.
78	Astound has an abandoned service drop to 1663 Church St and is contacting Comcast.
80	Astound has an abandoned drop attached to streetlight pole at 4321 18 th St.

3. GO 95, Rule 35, Vegetation Management states in part:

“Communication and electric supply circuits, energized at 750 volts or less, including their service drops, should be kept clear of vegetation in new construction and when circuits are reconstructed or repaired, whenever practicable. When a supply or communication company has actual knowledge, obtained either through normal operating practices or notification to the company, that its circuit energized at 750 volts or less shows strain or evidences abrasion from vegetation contact, the condition shall be corrected by reducing conductor tension, rearranging or replacing the conductor, pruning the vegetation, or placing mechanical protection on the conductor(s). For the purpose of this rule, abrasion is defined as damage to the insulation resulting from the friction between the vegetation and conductor. Scuffing or polishing of the insulation or covering is not considered abrasion. Strain on a conductor is present when vegetation contact significantly compromises the structural integrity of supply or communication facilities. Contact between vegetation and conductors, in and of itself, does not constitute a nonconformance with the rule.”

ESRB’s findings related to the above rule are listed in Table 4:

Table 4: GO 95, Rule 35 Findings

Location	Findings
8	Tree branch is causing strain on Astound cable.
80	Astound cable contacting tree branch is under strain and will need mechanical protection to prevent abrasion.

4. GO 95, Rule 37, Minimum Clearance of Wires above Railroads, Thoroughfares, Buildings, etc. states in part:

“Clearances between overhead conductors, guys, messengers or trolley span wires and tops of rails, surfaces of thoroughfares or other generally accessible areas across, along or above which any of the former pass; also the clearances between conductors, guys, messengers or trolley span wires and buildings, poles, structures, or other objects, shall not be less than those set forth in Table 1, at a temperature of 60° F. and no wind.

Table 1 Case 3: Crossing or along thoroughfares in urban districts or crossing thoroughfares in rural districts must be at least 18 feet at road centerline and 16 feet at curb.

Table 1 Case 5: Above ground in areas accessible to pedestrians only 10 feet.

Table 1, Case 10B: Radial centerline clearance of conductor or cable (unattached) from non-climbable street lighting or traffic signal poles or standards, including mastarms, brackets and lighting fixtures, and from antennas that are not part of the overhead line system must be at least 1 foot.”

ESRB’s findings related to the above rule are listed in Table 5:

Table 5: GO 95, Rule 37 Findings

Location	Findings
18	Astound service drop does not have the required clearance at road centerline (16 feet 2 inches) and curb (12 feet 3 inches).
19	Astound service drop does not have the required clearance at road centerline (16.9 feet) and curb (13.1 feet). Astound midspan service drop

Location	Findings
	does not have required clearance at road centerline (15.6 feet) and curb (14 feet 5 inches).
20	Astound has low service drop attachment to home (8 feet) in pedestrian area. Astound has low service drop clearance at road centerline (17.5 feet) and curb (13 feet 6 inches).
31	Astound has two service drops with low clearance at road centerline (17 feet 7 inches and 17 feet 3 inches).
35	Astound low service drop clearance road centerline (16 feet 6 inches).

5. GO 95, Rule 38, Minimum Clearance of Wires from Other Wires states in part:

“The minimum vertical, horizontal or radial clearances of wires from other wires shall not be less than the values given in Table 2 and are based on a temperature of 60° F. and no wind. Conductors may be deadended at the crossarm or have reduced clearances at points of transposition, and shall not be held in violation of Table 2, Cases 8–15, inclusive.

Table 2, Case 8C: Vertical separation between conductors and/or cables, on separate crossarms or other supports at different levels (excepting on related line and buck arms) on the same pole and in adjoining midspans for communication conductors (including open wire, cables and service drops) must be at least 12 inches.

EXCEPTION: Can be less than 12” for strand mounted terminals, splice cases and other equipment located 8” or more from the centerline of the pole, but not less than 1” with mutual agreement between affected owners.”

Table 2, Case 1C: The radial separation between conductors, taps or lead wires of different circuits and communication conductors (including open wire, cables, and service drops) supported on the same crossarm, pole or structure must be at least 3 inches.

Table 2, Case 18: Radial separation between guys and conductors. Guys passing conductors supported on other poles, or guys approximately parallel to conductors supported on the same poles must be at least 3 inches.

ESRB’s findings related to the above rule are listed in Table 6:

Table 6: GO 95, Rule 38 Findings

Location	Findings
1	Astound snowshoe contacting Comcast cable.
2	Astound fiber loop is in contact with Comcast cable.
8	Astound is contacting Comcast and Sonic cables at tree branch.
9	Astound splice box contacting Comcast service drop.
10	Astound splice case is contacting Comcast cable. Astound fiber cable does not have the required 12-inch clearance from the communication lines midspan.
17	Astound fiber cable loop is contacting Comcast cable below. Fiber loop should be moved into splice case.
23	Astound fiber cable loop is contacting Comcast strand.
24	Astound cables are not attached together and contacting Comcast cable midspan.
25	Astound cable does not have 12-inch clearance from Comcast cable.
26	Astound cable contacting AT&T cable midspan.
33	Astound cable is bundled to Comcast/AT&T/Sonic with zip ties, need to re-sag cable to adjacent pole in backyard about 200 feet away to provide 12-inch clearance.
48	Astound cables are sagging and need to remove slack to provide 12-inch clearance.
51	Astound cable midspan is sagging so need to remove slack to provide 12-inch clearance from Comcast.
55	Astound cable is attached to Sonic cable at Third Lane and does not have 12-inch clearance.
58	Astound cable does not have 12-inch clearance to Comcast cable at pole.
72	Astound guy does not have 3-inch clearance to Comcast cable.
74	Astound is contacting Comcast and Sonic cables at midspan.
75	Astound amplifier and splice case contacting Comcast cable
79	Astound service drop contacting and wrapped around another CIP cable before crossing to 1436 Sanchez St.

6. GO 95, Rule 49.2-C, Crossarms, Strength states in part:

“Crossarms shall be securely supported by bracing, where necessary, to withstand unbalanced vertical loads and to prevent tipping of any arm sufficiently to decrease clearances below the values specified in Section III. Such bracing shall be securely attached to poles and crossarms. Supports in lieu of crossarms shall have means of resisting rotation in a vertical plane about their attachment to poles or shall be supported by braces as required for crossarms. Metal braces or attachments shall meet the requirements of Rules 48.2 and 49.8.”

ESRB’s finding related to the above rule is listed in Table 7:

Table 7: GO 95, Rule 49.2-C Finding

Location	Finding
23	Astound crossarm is splitting through one of the bracing bolts and through the center bolt attachment.

7. GO 95, 83.4-A(1) Bonding, Messengers on the Same Pole, Bonds between Separate Communication Messengers or Guys above or below Electric Circuits states in part:

“Bonds are required between separate communication messengers or guys, attached above or below electric supply circuits, railway signal circuits or Class T electric railroad or trolley circuits on the same pole line system, at all dead-end poles and at intervals not to exceed 1,320 feet.”

ESRB’s finding related to the above rule is listed in Table 8:

Table 8: GO 95, Rule 83.4-A(1) Finding

Location	Findings
71	Astound did not have bond at pole in accordance with Rule 83.4-A(1).

8. GO 95, Rule 84.6-B, Vertical and Lateral Conductors, Ground Wires states:

“Ground wires, other than lightning protection wires not attached to equipment or ground wires on grounded structures, shall be covered by metal pipe or suitable covering of wood or metal, or of plastic conduit material as specified in Rule 22.8–A,

for a distance above ground sufficient to protect against mechanical injury, but in no case shall such distance be less than 7 feet. Such covering may be omitted providing the ground wire in this 7 foot section has a mechanical strength at least equal to the strength of No. 6 AWG medium-hard-drawn copper.

Portions of ground wires which are on the surface of wood poles and within 6 feet vertically of unprotected supply conductors supported on the same pole, shall be covered with a suitable protective covering (see Rule 22.8)."

ESRB's findings related to the above rule are listed in Table 9:

Table 9: GO 95, Rule 84.6-B Findings

Location	Findings
3	Astound ground wire is exposed and moulding is damaged.
8	Astound ground wire is exposed and moulding is damaged.
9	Astound vertical ground wire is exposed and moulding is damaged.
10	Astound vertical ground wire is exposed and moulding is damaged.
18	Astound ground wire is exposed and moulding is damaged.

9. GO 95, Rule 84.6-D, Vertical Runs states in part:

"Runs of bridled conductors, attached to surface of pole, need not be covered provided such runs are below the guard arm and in the same quadrant as the longitudinal cable, or where such runs are below and on the same side of pole with a cable arm and are not in the climbing space, or are connected to service drops which are placed in accordance with the provisions of Rule 84.8-B2b. Where bridled runs are not required to be covered by these rules, they shall be supported by bridle hooks or rings spaced at intervals of not more than 24 inches."

ESRB's findings related to the above are listed in Table 10:

Table 10: GO 95, Rule 86.4-D Findings

Location	Findings
23	Astound Siamese cables are not attached every 24 inches to pole on vertical run.

Location	Findings
57	Astound cables are not attached every 24 inches to pole on vertical run.

10. GO 95, Rule 86.2, Guys, Use states in part:

“Where mechanical loads imposed on poles, towers or structures are greater than can be supported with the safety factors as specified in Rule 44, additional strength shall be provided by the use of guys or other suitable construction.

Where guys are used with poles or similar structures capable of considerable deflection before failure, the guys shall be able to support the entire stress, the pole below the point of guy attachment acting merely as a strut.

Guys shall be attached to structures as nearly as practicable at the center of load. They shall be maintained taut and of such strength as to meet the safety factors of Rule 44.”

ESRB’s findings related to the above rule are listed in Table 11:

Table 11: GO 95, Rule 86.2 Findings

Location	Findings
32	Astound down guy is loose/not taut.
38	Astound down guy is loose/not taut.

11. GO 95, Rule 86.9, Guy Marker (Guy Guard) states:

“A substantial marker of suitable material, including but not limited to metal or plastic, not less than 8 feet in length, shall be securely attached to all anchor guys. Where more than one guy is attached to an anchor rod, only the outermost guy is required to have a marker”

ESRB’s finding related to the above rule is listed in Table 12:

Table 12: GO 95, Rule 86.9 Finding

Location	Findings
57	Astound missing guy guard.

12. GO 95, Rule 87.7-D, Covering or Guarding, Risers states:

- “(1) Covered from Ground Level to 8 Feet above the ground:
Risers shall be protected from the ground level to a level not less than 8 feet above the ground by:*
- (a) Securely or effectively grounded iron or steel pipe (or other covering at least of equal strength). When metallic sheathed cable rising from underground non-metallic conduit is protected by metallic pipe or moulding, such pipe or moulding shall be effectively grounded as specified in Rule 21.4-A, or*
 - (b) Non-metallic conduit or rigid U-shaped moulding. Such conduit or moulding shall be of material as specified in Rule 22.8.*
- (2) Covered from 8 Feet above the Ground Level and Above:*
- (a) Risers shall be covered by a suitable protective covering, as defined in Rule 22.8 where within a vertical distance of 3 feet above or 6 feet below the level of unprotected supply conductors when supported on the same pole or structure or within a 6-foot radius of another pole supporting unprotected supply conductors, except that when the riser is protected by a guard arm installed in accordance with Rule 87.4-C3 the 6 feet may be reduced to not less than 4 feet.”*

ESRB’s findings related to the above rule are listed in Table 13:

Table 13: GO 95, Rule 87.7-D Findings

Location	Findings
23	Astound Siamese cables do not have a riser cover.
30	Astound riser cover not secured every three feet.

13. GO 95, Rule 92.1.F.5, Street Lighting Equipment states:

“All parts of streetlight drop wires, street lamps, and their supporting fixtures (including rods, braces and guys) shall be not less than 1 foot above or 2 feet below the level of messengers or conductors supported by messengers.”

ESRB’s finding related to the above rule is listed in Table 14:

Table 14: GO 95, Rule 92.1F.5 Finding

Location	Findings
11	Astound has low clearance from streetlight fixture.

14. GO 95, Rule 92.4-D(1) Grounding, Location of Grounds on Exposed Cables with Metallic Shields, Sheaths, or Messengers states in part:

“The exposed communication cables and messengers shall be grounded: At all deadend poles and at intervals not greater than every one-quarter of a mile (1320 feet).”

ESRB findings related to the above rule are listed in Table 15.

Table 15: GO 95, Rule 92.4-D(1) Findings

Location	Findings
17	Astound does not have ground at dead end pole.
30	Astound does not have ground at dead end pole.
33	Astound does not have ground at dead end pole.
57	Astound does not have ground at dead end pole.
72	Astound does not have ground at dead end pole.
76	Astound does not have ground at dead end pole.

15. GO 128, Rule 17.1, Design, Construction and Maintenance states in part:

“Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which

they are to be operated, to enable the furnishing of safe, proper, and adequate service.

For all particulars not specified in these rules, design, construction, and maintenance should be done in accordance with accepted good practice for the given local conditions known at the time by those responsible for the design, construction, or maintenance of [the] communication or supply lines and equipment.”

ESRB’s findings related to the above rule are listed in Table 16:

Table 16: GO 128, Rule 17.1 Findings

Location	Findings
53	The underground vault needs ground rod for amplifier. Ground wire is not connected to anything.
60	Pedestal needs ground for amplifier.

16. GO 128, Rule 17.8, Identification of Manholes, Handholes, Subsurface and Self-contained Surface-mounted Equipment Enclosures states:

“Manholes, handholes, subsurface and self-contained surface-mounted equipment enclosures shall be marked as to ownership to facilitate identification by persons authorized to work therein and by other persons performing work in their vicinity.”

ESRB’s findings related to the above rule are listed in Table 17:

Table 17: GO 128, Rule 17.8 Findings

Location	Findings
29	The underground vault splice box is missing an Astound ownership marking.
42	The underground vault cover is missing an Astound ownership marking.
60	The pedestal is missing an Astound ownership marking.

17. GO 128, Rule 42.7, Manholes and Handholes, Covers states:

“Manholes and handholes, while not being worked in shall be securely closed by covers of sufficient strength to sustain such loads as may reasonably be imposed upon them, and arrangement shall be such that a tool or appliance shall be required for their opening and cover removal (Also See Rule 17.8 and Appendix B, Figure 9).”

ESRB’s findings related to the above rule are listed in Table 18:

Table 18: GO 128, Rule 42.7 Findings

Location	Findings
68	Astound underground vault cover is damaged.
69	Astound underground vault cover is damaged.

V. Observations

1. GO 95, Rule 18, Reporting and Resolution of Safety Hazards Discovered by Utilities states in part:

“For purposes of this rule, “Safety Hazard” means a condition that poses a significant threat to human life or property...”

GO 95, Rule 18-A, Resolution of Potential Violations of General Order 95 and Safety Hazards states in part:

- “(3) If a company, while performing inspections of its facilities, discovers a Safety Hazard(s) on or near a communications facility or electric facility involving another company, the inspecting company shall notify the other entity of such Safety Hazard(s) no later than ten (10) business days after the discovery.*
- (4) To the extent a company that has a notification requirement under (2) or (3) above cannot determine the facility owner/operator, it shall contact the pole owner(s) within ten (10) business days if the subject of the notification is a Safety Hazard, or otherwise within a reasonable amount of time not to exceed 180 days after discovery. The notified pole owner(s) shall be responsible for promptly (normally not to exceed five business days) notifying the company owning/operating the facility if the subject of the notification is a Safety Hazard, or otherwise within a reasonable amount of time not to exceed 180 days, after being notified of the potential violation of GO 95.”*

During the field inspection, ESRB observed the third-party safety concerns listed in Table 19:

Table 19: Third-Party Observations

Location	Observations
1	PG&E needs to trim bolt on crossarm. Comcast has loose service drop.
2	Comcast needs to remove guy from PG&E anchor. Comcast has three service drops contacting Astound guy wire above insulator bob. Comcast has low clearance road centerline 17 feet 4 inches. PG&E using rope to support leaning pole instead of using a guy wire.
3	Sonic fiber cable is contacting Astound service drop going across street.
8	Sonic has slack guy wire, not taut and strain on tree branch. Comcast strain on tree branch.
9	Comcast cable contacting PG&E down guy above insulator bob. Comcast service drops are wrapped around Sonic service drops across street.

Location	Observations
	Comcast low clearance for service drop over road centerline 15 feet 2 inches. Sonic strand and cables not attached to pole.
10	Comcast has low hanging cable and broken equipment box.
11	Comcast has low clearance for service drop over road centerline 15 feet 4 inches.
13	Comcast has loose lashing.
14	PG&E riser cover is less than 5 feet (only about 2 feet 10 inches) above Astound cable. Comcast has unsecured drops and fiber storage issue near pole. Comcast also has low clearance (12 feet 8 inches) in commercial driveway at midspan between Sites 13 and 14.
16	Comcast has low clearance (10 feet 5 inches) in commercial driveway, loose lashing and need to trim long bolts at pole attachment. PG&E has slack guy wire/not taut, damaged guy anchor, and needs to remove old pole.
17	Comcast does not have ground at dead end pole and needs to store fiberoptic cable near pole into splice case.
18	PG&E service drop has low clearance at curb (14 feet 11 inches). AT&T service drops near pole do not have 12-inch clearance from Comcast and are attached directly to the pole. AT&T service drops have low clearance in road centerline (14 feet 8 inches) and at curb (11 feet 10 inches).
20	AT&T has low service drop clearance road centerline (17.5 feet) and curb (13 feet 6 inches). AT&T drop is attached to Astound drop. Comcast has an abandoned drop. Comcast attachment to house is low in pedestrian area (8 feet).
21	AT&T has two service drops low clearance over road centerline (15.8 feet and 16.8 feet). Comcast has abandoned cut drop over road and low clearance over road centerline (17.9 feet).
23	AT&T has no riser cover and drops are not secured to pole. Comcast loose riser guard not secured every 3 feet and secured with zip ties. Comcast service loops contact AT&T facilities.
24	AT&T needs to transfer to new pole. AT&T low clearance 13.9 ft at curb. Sonic needs to attach to new pole.
25	AT&T needs to transfer to new pole and has low service drop across Ebener St (13.6 feet). Comcast has several low service drops (14.6 feet, 13.6 feet, 13.6 feet). Comcast fiber loop contacting AT&T and fiber loop is not stored properly. Sonic does not have 12-inch clearance to Astound cable.
26	AT&T and Comcast need to do pole transfer. AT&T has low service drop clearance at road centerline (16.8 feet) and curb (15.2 feet). AT&T service drop is attached to Comcast drop. AT&T fiber loops not properly stored near pole. Comcast has low service drop clearance at road centerline (15.8 feet) and curb (13.4 feet). PG&E has low service drop at curb (15.7 feet).

Location	Observations
27	AT&T has two abandoned drops and low service drop clearances at road centerline (14.8 feet) and curb (12.2 feet). Sonic has an abandoned drop. Comcast amplifier is contacting AT&T snowshoe.
28	AT&T needs to transfer to new pole. AT&T has low clearance at curb (14.1 feet) to 614 Redwood Ave. Comcast has low service drop 7 feet 6 inches. Comcast splice box is contacting AT&T fiber bundle. Comcast has low service drop at curb (13.9 feet). Comcast has unauthorized splice on service drop.
30	AT&T riser cover not secured. AT&T cable has low clearance over road centerline (14.6 feet). AT&T is not grounded and bonded at dead end pole. Comcast low cable clearance over road centerline (17.1 feet).
31	AT&T has abandoned drop, down guy loose/not taut, down guy missing guy guard, and service drop with low clearance at road centerline (16 feet 6 inches). Comcast missing down guy and low service drop at road centerline (17 feet 8 inches). Sonic missing down guy. PG&E lower down guy is loose/not taut.
32	AT&T has multiple abandoned drops, down guy loose/not taut, service drop with low clearance at road centerline (14 feet 4 inches) fixed in field, Comcast has service drop with low clearance at road centerline (16 feet 8 inches) and has an unattached guy wire wrapped around climbing step. Sonic passing over PG&E crossing street and aerial trespassing (passing over property should be going midspan).
33	AT&T down guy loose/not taut, service drop contacting Astound guy wire, cable is bundled to other communication utilities (Comcast, Astound and Sonic) with zip ties; need to re-sag cables to adjacent pole in backyard about 200 feet away to provide 12-inch separation between each of the communications cables. Sonic is missing two down guys, not grounded and bonded at dead end pole, and cable is bundled to Astound/AT&T/Comcast with zip ties, need to re-sag cable to adjacent pole in backyard about 200 feet away. Comcast cable is bundled to Astound/AT&T/Sonic with zip ties, need to re-sag cable to adjacent pole in backyard about 200 feet away.
34	PG&E has loose down guy/not taut and has vegetation contacting guy wire above insulator bob. AT&T cable is under strain at tree branch. Comcast contacting Astound cable at tree branch and is under strain. Comcast has a low line sagging below AT&T line. Comcast has low service drop across road and contacting tree branch.
35	AT&T service drop has low clearance at road centerline (15 feet 6 inches) and has less than 3-inch clearance from Sonic down guy. Comcast has low clearance at road centerline (15 feet 2 inches).
36	AT&T service drop has low clearance at road centerline (15 feet 9 inches). Comcast service drop is attached to Astound drop, has multiple service drops with low clearance at road centerline (17 feet 4 inches, 17 feet 1 inch, 14 feet 2 inches, and 15 feet 3 inches), and has a cable that is less than 12

Location	Observations
	inches from streetlight at pole. Sonic has two service drops with low clearance at road centerline (15 feet 11 inches and 16 feet 10 inches).
38	PG&E span guy needs to be re-sagged and vegetation management needed at adjacent span guy pole behind building. AT&T is missing one down guy, other down guy installed is slack/not taut, and AT&T underground riser cover is missing on adjacent PG&E span guy pole behind building. Comcast is missing down guy.
39	AT&T service drops have low clearance at road centerline (15 feet 5 inches and 16 feet 8 inches) to 167 Poinsettia Ave. Comcast cable contacting AT&T cable.
41	Comcast Underground Vault lid is damaged.
43	AT&T underground service drops missing riser guard, AT&T cables drooping down and not lashed together, and AT&T service drop J-Hooked to pole does not have 3-inch clearance from Astound messenger strand. Comcast fiber storage loops are contacting AT&T cables.
44	AT&T underground service drops missing riser guard, AT&T orange drop contacting Comcast and unsecured to pole, and service drop has low clearance at road centerline (16 feet 7 inches). Comcast has abandoned distribution line, Underground service drop cable not covered with riser guard, and service drop has low clearance at road centerline (15 feet 6 inches).
45	AT&T and Comcast need to complete pole transfer.
46	Multiple AT&T and Comcast service drops are tangled and contacting at street crossing. PG&E service drop has strain on tree branch and PG&E down guy has vegetation contacting above insulator bob.
47	AT&T has abandoned drop (fixed in field) and riser cover is exposed. PG&E has two down guys loose/not taut, guy guard is missing, and has down guy with less than 3-inch clearance from secondary line. Sonic is not grounded and bonded at dead end pole. Comcast drop is contacting AT&T facilities.
48	Comcast has exposed underground service drops from broken riser guard.
49	Comcast has cut abandoned fiber line.
51	AT&T service drop has low clearance at road centerline (15 feet 2 inches) and has loose unsecured fiber loops near pole. Comcast service drop has low clearance at road centerline (17 feet 7 inches). Telephone utility (unknown) has twisted pair cable at weatherhead attachment on top of PG&E drop cable at house across street from pole.
52	AT&T and Comcast need to transfer to new pole. AT&T and Comcast service drops are contacting. Astound, AT&T, and Comcast low service drop attachment to home (7 feet 8 inches) pedestrian area. No higher attachment point on home available.

Location	Observations
55	AT&T has loose lashing causing low clearance on two cables to adjacent pole on Third Lane (11 feet 4 inches and 14 feet). AT&T has damaged cables on Third Lane. AT&T drop is contacting Comcast drop over Chestnut Ave. Sonic cable is clamped to Astound cable on Third Lane. AT&T service drop low clearance over road centerline (less than 18 feet) to 211 Chestnut Ave. Comcast service drop low clearance over road centerline (less than 18 feet) to 211 Chestnut Ave. AT&T has an abandoned drop at Midspan. AT&T has loose hanging fiber cable and loops near pole that need to be stored properly.
56	Verizon Business is missing down guy at pole. Verizon Business also needs to complete pole transfer at corner of Grand and Acacia Avenues.
57	AT&T missing ground/bond at dead end pole, has unsecured fiber cables hanging loose near pole, missing lashing wire, does not have 12-inch clearance from light pole, needs to secure riser cables to pole, and has service drop with low clearance over road centerline.
58	Comcast riser cable has no cover, midspan Comcast contacting Astound and AT&T, and service drop low clearance road centerline (16 ft 7 inches). AT&T ground wire exposed and not secured to pole every 2 ft, and service drop low clearance road centerline (17 ft 3 inches).
59	AT&T fiber cables dangling and not properly stored near pole. Comcast amplifier is contacting AT&T cable.
64	Comcast has unsecured drop at 704 Maddux Drive and contacting AT&T line at 708 Maddux Drive. AT&T is aerial trespassing by going through property that they are not serving and should be at midspan.
65	AT&T has three low service drops over road centerline (17 ft 6 inches, 16 feet 10 inches, and 17 ft 4 inches). Comcast is contacting AT&T line and Comcast has low service drop over road centerline (17 ft 5 inches).
71	Comcast riser cover exposed, ground wire is exposed, and service drop across Brannon St is not secured. Astound is too close to power, need 3ft clearance from PG&E UG secondary cables. Astound cables can't be lowered because need 4 ft clearance from trolley lines. PG&E needs to extend riser for underground secondary cables to be three feet above Astound cable.
72	Comcast has abandoned cut strand which is also contacting a down guy and an exposed riser cover.
73	Comcast has exposed riser cover and does not have a ground at dead end pole.
74	Sonic cable is contacting Comcast cable and Sonic has dangling fiber cables and storage issue near pole. PG&E doesn't have 4 feet clearance from Astound above guard arm and service drop wire to streetlight is damaged.
75	Comcast service drop to 3526 18th Street is crossing over Sonic from below and contacting PG&E service drop. Comcast has three abandoned service drops.

Location	Observations
77	Comcast service drop is damaged and contacting Astound cable.
78	Comcast has loose lashing and an abandoned drop and needs to complete pole transfer. AT&T needs to complete pole transfer. Unknown CIP has loose lashing and needs to complete pole transfer. PG&E service drop is contacting tree branch and is under strain.