



# **Pole Attachment Guidelines**

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## INTRODUCTION

This Pole Attachment Guideline (collectively referred to as “Guidelines”) provides the requirements necessary for UniSource Energy Services and its subsidiary, UNS Electric, Inc., (collectively the “Company”) to process Attachment requests. The Company only allows Attachments where there is an existing Distribution Pole.

***Note: Where a specific county, Mohave or Santa Cruz, is stated for a given process or requirement, that requirement is only required for the stated county. If no county is specified, the process or requirement applies to all Attachments located within both counties.***

## DEFINITIONS

The following terms, phrases, words, acronyms and their derivations are defined below. The words "shall" and "will" are mandatory and "may" is permissive. Words not defined shall be given their common and ordinary meaning.

1. **Abandoned Facility:** Abandoned, non-functional, and obsolete Attachments, Overlashes, and any related apparatuses used to support the Attachment, which are no longer utilized by the Licensee for providing communication, telecommunications, or broadband services.
2. **Application:** The document(s) the Licensee prepares to request Wireline Attachment(s) or Wireless Attachment(s) to existing Company Distribution Poles or to request modifications to existing Attachments. Such documents must adhere to the Guidelines. The Company utilizes two types of Applications: (1) Wireline Permit to Attach; and (2) Small Cell & Wireless Permit to Attach.
3. **Attachment:** Any pole attachment by a cable television system, provider of telecommunications service, or local exchange carrier to a pole, duct, conduit, or right-of-way owned or controlled by the Company.
4. **Company:** UniSource Energy Services and UNS Electric, Inc., its directors, officers, employees, agents, contractors, and subcontractors.
5. **Complex Make-Ready Work:** Transfers of Attachments and/or work within the Communications Space that are reasonably likely to cause an electric, cable, internet or telecommunications service outage(s) or facility damage, including without limitation, work such as splicing or cutting of any communication Attachment or relocation of existing Wireless Attachments. Any and all work related to Wireless Attachments, including those involving mobile, fixed, and point-to-point wireless communications and wireless internet are to be considered complex. Any Distribution Pole replacements are also considered complex.
6. **Complex Safety Violation:** An Attachment or Overlash that fails to comply with the specified Installation Specifications and such failure is likely to cause imminent danger to life or property.
7. **Communications Space:** The lower useable space on the Company’s Distribution Pole reserved for low-voltage communication.
8. **Construction Make-Ready (“CMR” or “Make-Ready Work”):** All work that the Company reasonably determines to be required to accommodate the Licensee’s Attachments or those of another user, and/or to comply with all applicable technical specifications and this Guideline. Such work includes, but is not limited to, rearrangement and/or Transfer of existing Attachments, Distribution Pole replacement, and construction. This work is normally completed by the Company.
9. **Distribution Pole:** A pole owned by the Company on which it has installed and is using conductors for the distribution of electricity to its customers, including “drop poles” at or near customer locations. This term includes anchors, ducts, conduits, and appurtenances used to support a pole for the distribution of electricity. This term does not include poles or other facilities that are not part of the Company’s distribution system, including, but not limited to: (i) poles and other structures that support conductors used exclusively for the transmission of electricity subject to the regulatory jurisdiction of the Federal

Energy Regulatory Commission; and (ii) poles and other structures that may be used by, but not owned by the Company, for the purpose of providing electric service.

10. Facility Map: A geographical depiction that outlines the Company's service territory, showing Distribution Poles that a Licensee can attach to.
11. Installation Specifications: The specifications in the following documents, which the Licensee must adhere to when placing Attachments on Distribution Poles: (1) the technical specifications listed on the Company's website, which may be amended from time to time; (2) the Company's Pole Attachment Guidelines, listed on the Company's website, which may be amended from time to time; (3) the National Electric Safety Code current as of the time of Attachment, as may be amended or supplemented, from time to time; and (4) Occupational Safety and Health Act requirements, including Minimum Access Distance requirements.
12. Licensee: Includes the Licensee's directors, officers, employees, agents, contractors, and subcontractors.
13. Licensee Construction Make-Ready: All work that the Licensee or other users must complete to attach and/or to comply with all applicable Installation Specifications.
14. One Touch Make Ready Process ("OTMR Process"): The process for an Attachment(s) that involves Simple Make Ready Work. The Licensee must elect to use one touch make ready timelines and processes in its Application. Such timelines allow for expedited access to the Company's Distribution Pole as prescribed in 47 C.F.R. § 1.1411(j).
15. Overlash or Overlapping: A technique where the Licensee attaches a wire to its own existing wires; shares space with an existing Attachment; or places a stand mount on the Licensee's existing cables.
16. Post Inspection/Check: An inspection performed by the Company within ninety (90) days after an Attachment or Overlash is placed to determine if there are any Safety Violations.
17. Simple Make Ready Work: Make-ready work where existing Attachments within the Communications Space of a Distribution Pole could be transferred without any reasonable expectation of an electric, cable, internet or telecommunications service outage(s) or facility damage and does not require splicing or cutting of any existing communication Attachments. Simple Make Ready work is generally performed by the Licensee and will be the result of a Licensee electing to follow the One Touch Make Ready Process.
18. Safety Violation: Includes either a Complex or Simple Safety Violation.
19. Search Ring: The location where the Licensee wants to place its small cell pole Attachment on the Company's Distribution Pole. The Licensee will circle this location on a Company Facility Map and submit it with its Application.
20. Simple Safety Violation: A violation that occurs when an Attachment and/or Overlash fails to comply with the specified Installation Specifications which may pose a safety risk to the Company's Distribution Pole, but not imminent danger.
21. Sanction: An amount equal to two hundred dollars and zero cents (\$200.00) per month that may be charged to the Licensee per Violation.
22. Small Cell Pole Mount: A type of wireless broadband infrastructure, typically in the form of small antennas, that are placed in the communication space on Distribution Poles.
23. Small Cell & Wireless Application: The document the Licensee must complete and submit to the Company to request a Wireless or Small Cell Pole Mount Attachment.
24. Strand Mount: A Wireless Attachment mounted to the Licensee existing aerial cables in the Communications Space. Strand Mount requests follow the Standard Permit to Attach Process.

25. Standard Permit to Attach: The document the Licensee must complete and submit to the Company to request a Wireline Attachment or Strand Mount.
26. Transfer: When the Licensee must re-locate its Attachment(s) from one Company Distribution Pole to another. The Licensee must complete the re-location within the prescribed regulatory timeframe pursuant to 47 C.F.R. §1.1411 or 47 C.F.R. §1.1403(c).
27. Transfer Notification: The notification the Company sends to the Licensee, notifying the Licensee that it must Transfer.
28. Wireline Attachment: The aerial cables, amplifiers, power supplies and associated hardware required to support the aerial Wireline Attachments utilized by the Licensee for the transmission and distribution of communications services to its Subscribers. It does not include Wireless Attachments, but does include unlicensed wireless equipment (e.g. Wi-Fi and other similar devices) and small cell pole mounts.
29. Wireless Attachment: An Attachment to the Company's Distribution Poles using an antenna, transmitter, receiver, or associated equipment for the transmission or reception of licensed radiofrequency signals, including all Small Cell Pole Mounts. Typically, such Attachments are located above the electrical space of the Company's Distribution Pole.
30. Unauthorized Attachment: An Attachment installed on the Company's Distribution Poles without a lawful agreement or permit from the Company.
31. Unauthorized Attachment Penalty: A fee of five hundred dollars and zero cents (\$500.00) per Distribution Pole for occupants without an agreement with the Company or five times the current annual rental fee per Distribution Pole if the pole occupant does not have a permit and the violation is self-reported, or discovered through a joint inspection, with an additional sanction of one hundred dollars and zero cents (\$100.00) per Distribution Pole if the violation is found by the pole owner in an inspection in which the pole occupant has declined to participate, or discovered during routine maintenance of the Company's electrical operations.

## SAFETY

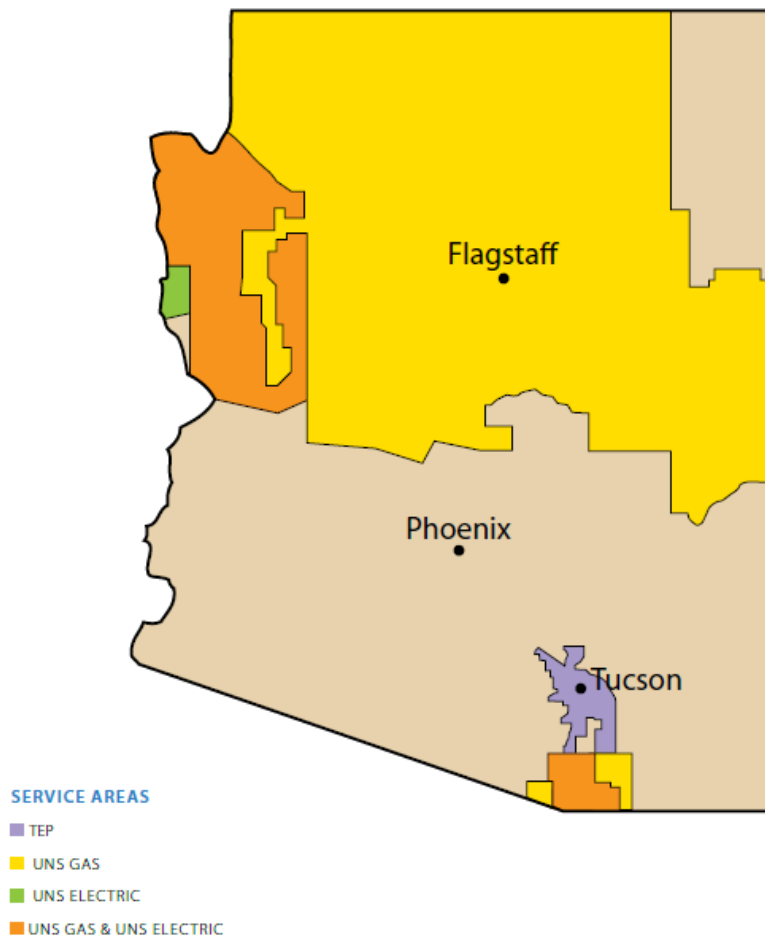
The Company is dedicated to providing reliable electric service to its customers and maintaining the safety of its employees and its Distribution Poles.

The Company power lines are energized, unless the Company confirms the power lines are de-energized. The Company can de-energize or re-configure its electrical equipment at or near a work site, if necessary. Property owners, builders, contractors or Licensees can contact the Company before beginning construction to prevent unintended outages, injury, and property damage.

It is the responsibility of the Licensee to be familiar with and adhere to the NESC, OSHA, and the Guidelines during installation, maintenance, and all related activities, surrounding its Attachments.



## Service Territory Area Map



## POLE ATTACHMENT AGREEMENT PROCESS AND CONSIDERATIONS

### POLE ATTACHMENT AGREEMENT

The Licensee must enter into a Pole Attachment License Agreement (“Agreement”) before placing any Attachments. To initiate the process, the Licensee must send an e-mail to [jointuse@uesaz.com](mailto:jointuse@uesaz.com) for Attachments located in Mohave County and [PoleAttach@uesaz.com](mailto:PoleAttach@uesaz.com) for Attachments located in Santa Cruz County. The email shall include the Licensee’s name, Attachment request type, and contact information. The Company will provide an Agreement for review, comment, and signature.

The Company may schedule a meeting to discuss scope and project timelines upon receipt of a new Agreement request. The Company will also provide a high-level overview of its Guidelines.

*Note: The Agreement process will align with the permit to attach process. However, the Licensee must execute the Agreement prior to attaching. Separate Agreements are required for Wireline and Wireless Attachments. For Wireless Attachments located in the electrical space, the Company will provide the Licensee a Master Service Agreement and then separate Site License Agreements for each Wireless Attachment.*

### REGISTRATION AND ANNUAL REPORTING INFORMATION

The Licensee Registration & Annual Reporting Form (“Form”) must be submitted by the Licensee annually by March 1<sup>st</sup> to [jointuse@uesaz.com](mailto:jointuse@uesaz.com) for Attachments located in Mohave County and [PoleAttach@uesaz.com](mailto:PoleAttach@uesaz.com) for Attachments located in Santa Cruz County. The Licensee has an obligation and duty to maintain the accuracy of the information in the Form at all times.

The Company’s website has the most up-to-date Registration & Annual Reporting Form.

### STANDARDS AND SPECIFICATIONS

The Company has established technical specifications that apply to all Attachment requests. In the event of a conflict between the Company’s standards, NESC, OSHA, or other applicable laws or regulations, the Licensee must adhere to the more stringent requirement.

See Exhibit C and E for all Attachment specifications.

### IS A POWER SOURCE NEEDED?

There is a separate process for power sources. Once the Licensee obtains a building permit, a new service Application must be submitted to the Company. The application and all information surrounding this process is located at <https://www.uesaz.com/construction-services/>.

The Licensee is responsible for all costs and requirements associated with obtaining the power source, including the line extension and necessary land rights. The Company assumes no responsibility and will not obtain, negotiate, or secure any permits, easements, and/or right-of-ways that may be required.

### OBTAIN PERMITS OR OTHER AGREEMENTS

The Licensee must contact the appropriate authorities, including but not limited to, the city, county, and state to obtain any necessary permit(s) and agreements, for its Attachments.



## APPROVED CONTRACTORS

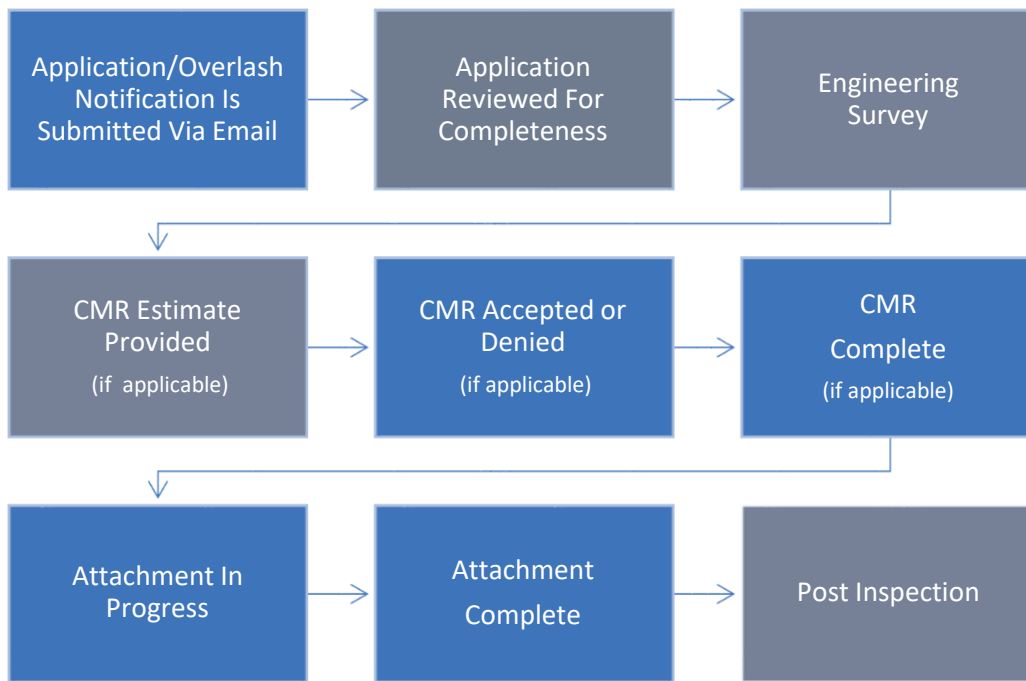
The Company does not publish a list of approved contractors for surveys or Simple Make-Ready Work in the Communications Space. The Licensee is required to use its own qualified contractor to perform work within the Communications Space.

If the Company fails to meet the ninety (90) day timeline for Make-Ready Work above the Communications Space, the Licensee can exercise its self-help remedy. If the Licensee utilizes the self-help remedy or completes any work in the electrical space, the Licensee must use an approved contractor the Company has listed on its website.

The Company is not a guarantor of the contractors provided on its website. The Company, by making available a list of approved contractors, has not made and makes no representations or warranties of any nature, directly or indirectly, express or implied, as to performance of the contractors. Selection of an approved contractor to perform the specified work is the sole decision of the Licensee. The list is not an endorsement by the Company of any product, service, individual or company. There is no work guarantee or warranty, expressed or implied, as to the quality, cost or effectiveness of the work performed by the contractor, employees or subcontractors.

## WIRLEINE ATTACHMENT & OVERLASH NOTIFICATION BASIC PROCEDURE WORKFLOW

A high- level overview for Wireline Attachments and Overlashes is illustrated below (includes strand mount):



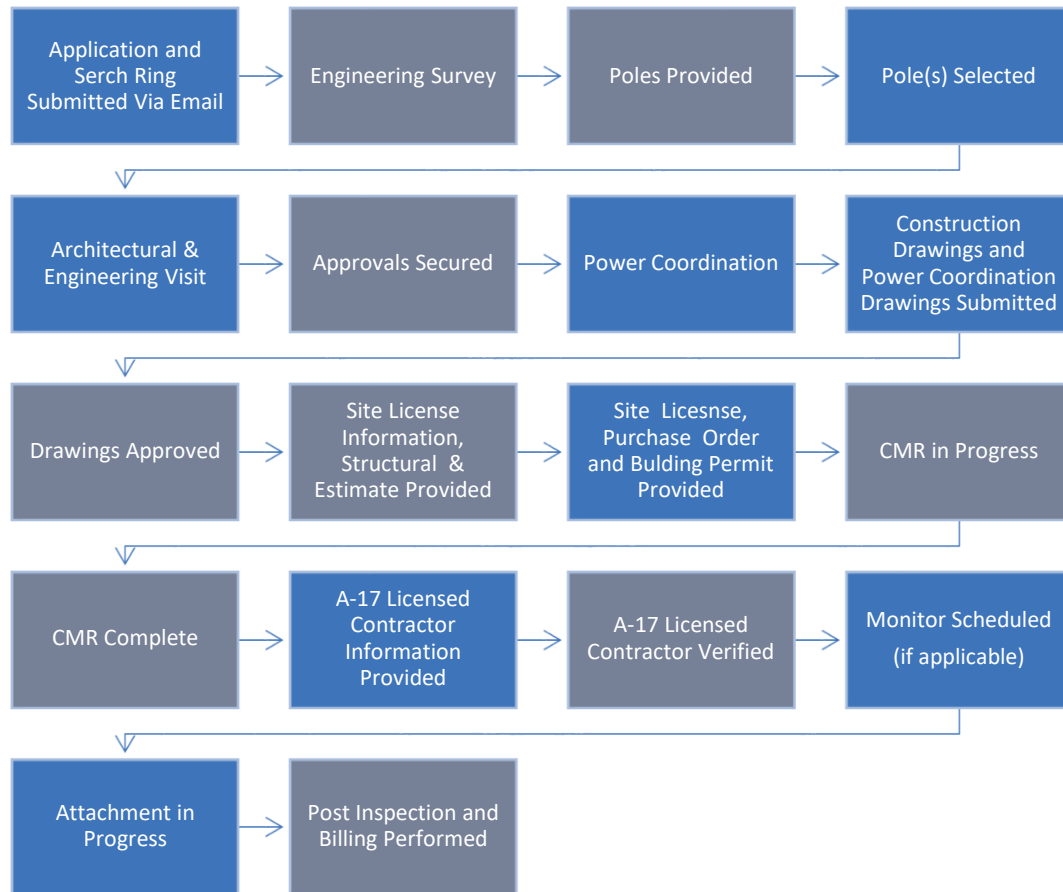
### Responsible Party:

Company

Licensee

## SMALL CELL & WIRELESS ATTACHMENTS BASIC PROCEDURE WORKFLOW

A high-level workflow for Wireless Attachments is illustrated below (excludes strand mount):



**Responsible Party:**

Company

Licensee

## BASIC PROCEDURES

The basic procedure for Attachments is outlined below:

1. **Pre-Application Process:** The Licensee must follow the below pre-application process:
  - **Conduct an Engineering Survey:** Prior to submitting an Application in Mohave County, the Licensee must complete a stamped engineering survey of all proposed Distribution Poles, outlining any Make Ready Work required to accommodate its Attachments. In Santa Cruz county, a pre-application engineering survey is only required when the Licensee elects to use the OTMR Process.
  - **Request an estimate from the Company:** The Company requires advance payment for all surveys fees in order to review the Licensee's Application. In order to timely process the Application, email the Company requesting an estimate of fees. The Company will not consider the Licensee's Application complete until advanced payment is received.
  - **Request a Facility Map (Santa Cruz County Only):** All Applications and Overlash Notifications must include a Company Facility Map, showing the Distribution Poles proposed for Attachment. In Mohave County, the Licensee must attach a geographical depiction of the service territory where its proposed Attachments will be located, however the depiction does not need to be provided by the Company.
  - **Complete an Application/Notification:** The Licensee must provide a complete, accurate, and sufficient information for the Company's review. The Licensee will be responsible for providing a complete Application. Applications are listed on the Company's website.
  - **Submit Application or Notification:** Once the Application or Overlash Notification form is complete, the Licensee will email it to [jointuse@uesaz.com](mailto:jointuse@uesaz.com) for Attachments located in Mohave County and [PoleAttach@uesaz.com](mailto:PoleAttach@uesaz.com) for Attachments located in Santa Cruz County. In addition, the Licensee must mail a check or wire transfer the advance payment to the Company.
2. **Review of Application/Overlash Notification:** The Licensee will submit its proposed Applications or Overlash Notification via email.
  - **Application:** Upon receipt of an Application, the Company will review it for completeness within ten (10) business days. An Application will not be considered complete until advance payment is received. If rejected, the Licensee will have five (5) days to revise its Application and resubmit. If the Company deems the Application complete, it will begin the pre-attachment process (described below).
  - **Overlash Notification:** After receiving the fifteen (15) days advance Overlash Notification, the Company will determine whether the Overlash would create a capacity, safety, reliability, or engineering issue (collectively "identified issues"). The Company will inform the Licensee of any identified issues in writing. The Licensee must address the identified issues before placing the Overlash.
3. **Pre-Attachment Process:** The Company will review the Application or Overlash Notification and may perform an engineering survey to verify if the proposed Attachment(s) can be accommodated with or without Make-Ready Work.
  - **Standard Permit to Attach Process:** The Company will perform the survey and email the contact information for the existing Attachments (if applicable) to the Licensee. Once the survey is complete, the Company will respond with one or more of the below:
    - Provide a description and cost estimate of CMR and/or approve the Application. All affected Attachments are required to relocate or move their own Attachments;
    - Provide a written explanation as to why the Application is denied based on safety, reliability, capacity, or Technical Specifications.

*Note: The Licensee shall be responsible for entering into an agreement with existing Attachers to reimburse them for any costs that they incur in rearranging or transferring their facilities to accommodate the requester's Attachments.*

- **OTMR Process through the Standard Permit to Attach:** After reviewing an application to determine its Complete, the Company will perform a survey within fifteen (15) days, to ensure the OTMR process can be used. If the Company determines an Attachment does not meet the criteria for Simple Make Ready Work, then the work is deemed complex. The Company will provide a written explanation as to its findings. The Company's determination is final and the Licensee must then submit a revised Standard Permit to Attach, not selecting the OTMR process. After the survey, if the Attachment meets the criteria for Simple Make-Ready Work, the Licensee must provide fifteen (15) days' notice, prior to commencing work.

*Note: The Company does not require the Licensee to use an approved contractor for work done within the Communications Space. However, for all work done in the electrical space, the Licensee must select a contractor from the Company's approved list.*

- **Small Cell & Wireless Attachment Process (excludes Strand Mount):** The Company will perform the survey and determine the available Distribution Poles within the Search Ring area. Once the survey is complete, the Company will respond with one or more of the below:
  - Provide the available Distribution Poles within the Search Ring area and indicate CMR required to accommodate the Attachment; or
  - Provide a written explanation regarding any denied Attachment requests based on safety, reliability, capacity, or technical specifications.

Once the Licensee select a Distribution Pole, the Company will coordinate internally to accommodate the Attachment. The Company will notify the Licensee when the internal coordination is finalized and advise the Licensee.

- **CMR Performed by the Company:** Upon receipt of the CMR cost estimate, the Licensee has fourteen (14) days to approve the estimate, and provide a purchase order for the Company to perform the CMR. If an approval and purchase order is not received within fourteen (14) days from receipt of any estimate, the estimate is automatically withdrawn. Before commencing CMR work, the Company requires advance payment of all CMR estimate.

In addition, before the Company starts CMR work, it shall notify all applicable existing Attachers and the Licensee of the date and location of the scheduled work within the following timelines:

- Sixty (60) days after design and blue-stake is approved where a pole replacement is required;
- Thirty (30) days for CMR in the Communications Space; and
- Ninety (90) days for CMR above the Communications Space. *Note: The Company can assert an additional fifteen (15) day right to complete CMR above the Communications Space.*

If there are extenuating circumstances that interrupt the CMR timelines mentioned above, the Company shall identify those circumstances to the Licensee and existing Attachers. Such circumstances include, but are not limited to: extreme weather events, unplanned electrical outages, or governmental agency delays (where permitting is required).

Whenever the actual cost of the activity exceeds the advance payment of estimated expenses, Licensee agrees to pay the Company for the difference in cost, provided that the Company documents such costs to enable Licensee to verify the charges. To the extent that the Company's actual cost of the activity is less than the estimated cost, the Company shall refund to Licensee the difference in cost.

4. **Attachment Process:** Upon completion and inspection of any Make-Ready Work (if applicable), the Company will approve the Application, which serves as the authorization for the Licensee to attach.

- **Attachment Placement:** Within sixty (60) days of the approved Application or Overlash Notification, the Licensee must complete the CMR work and place or relocate its Attachment. If the Licensee's CMR work or its Attachment is not completed within sixty (60) days, or by the extended period granted by the Company, the Application will expire and the Licensee will forfeit the applicable Application fees and any payments made for Make-Ready Work. At the expiration of the sixty (60) days, the Licensee will need to either: (1) submit an extension Permit Extension Request Form to [jointuse@uesaz.com](mailto:jointuse@uesaz.com) for Attachments located in Mohave County and [PoleAttach@uesaz.com](mailto:PoleAttach@uesaz.com) for Attachments located in Santa Cruz County; or (2) submit a new Permit to Attach if the Licensee did not submit a Permit Extension Request Form.

*Note: Only a Company qualified A-17 Electrical and Transmission Line contractor is allowed to work above the Communication Space on the Company's Distribution Poles. For any work above the Communication Space, the Company will require that a Monitor is present while the Licensee's work is performed and Licensee will be invoiced for the actual costs of all material, labor to plan, and perform the Monitor.*

- **Complete Notification Attachment:** The new Licensee shall notify the Company and existing Attachers upon its completion of a new Attachment within fifteen (15) days of its completion.
5. **Post Attachment Process:** The Company will perform a Post-Inspection for each Attachment or Overlash. The Licensee must reimburse the Company for all non-recurring costs associated with such inspections.

- **Post Inspection:** Upon notification from the Licensee that the Attachment or Overlash is complete, the Company and/or existing Attachers will have ninety (90) days from receipt of the notification to inspect the Attachment or Overlash. Within fourteen (14) days of the post inspection, the Company will notify the Licensee if the Attachment(s) or Overlash(es) fail to comply with the Installation Specifications. The Licensee will then have fourteen (14) days to correction any Violations.

If the Licensee does not correct the Violations within fourteen (14) days, the Company may correct the Violations at the Licensee's sole cost and expense or charge the Licensee a Sanction.

6. **Transfer Process:** The Company may need to replace, relocate, or remove its Distribution Pole(s). Such work may require the Licensee to transfer, detach, or relocate its Attachments. The Licensee shall remove, relocate, or Transfer any Attachments as directed by the Company.

- **Transfers:** The Company will notify the Licensee needs to transfer, relocate, or remove its Attachments. The Licensee must remove, Transfer, or relocate its Attachments within sixty (60) days of receiving the notification request. The Licensee must advise the Company the Transfer is complete within fourteen (14) days. *If the Licensee fails to timely Transfer, the Company will classify the Attachment as a Relocation Violation and the Company may charge the Licensee a Sanction.*
- **Emergencies:** In the event of an emergency, the Company is not required to provide sixty (60) days prior written notice to transfer, relocate, or remove the Attachment(s). The Company will make reasonable attempts to coordinate such transfers with the Licensee. Should the Company have to transfer, relocate, or remove an Attachment, the Company may do so without any liability. The Licensee must maintain current emergency contact information with the Company. Such information is located within the Annual Report Form listed on the Company's website.

7. **Fee(s):** The Licensee shall reimburse the Company for non-recurring costs associated with Post Inspection reviews, including but not limited to, surveys of the pole(s) where the Attachment or Overlash occurred. In addition, the Company will also bill the Licensee annually for each Attachment at a rate specified by the Company. All fee(s) are due within thirty (30) days from receipt of invoice.

## PRE-APPLICATION PROCESS

### ENGINEERING SURVEY

Prior to submitting an Application in Mohave County, the Licensee must complete a stamped engineering survey of all proposed Distribution Poles, outlining any Make Ready Work required to accommodate its Attachments. The information collected during the engineering survey must be filled in on the Licensee's Application, located within the Application Specification Tab, under the green section labeled "Existing Attachments-Stamped Engineering Survey."

In Santa Cruz county, a pre-application engineering survey is only required when the Licensee elects to use the OTMR Process.

*Note: The Company will verify the Licensee's survey results upon its review of the Application. The Company will still conduct its own survey, however the pre-application engineering survey will ensure the parties are agreeing to any required Make Ready Work and allow the Company to complete a timely review of the proposed Attachment request.*

### ADVANCE PAYMENT FOR SURVEY FEE

The Company requires advance payment for the nonrecurring costs associated with surveying the proposed Distribution Poles requested for an Attachment. To receive an estimate of such fees, please email [jointuse@uesaz.com](mailto:jointuse@uesaz.com) for Attachments located in Mohave County and [PoleAttach@uesaz.com](mailto:PoleAttach@uesaz.com). The Company will consider an Application incomplete if it does not receive advance payment of such fees.

### REQUEST A FACILITY MAP

A Company Facility Map is required for the completion of all Applications and Overlash Notifications in Santa Cruz County.

A Facility Map can be obtained by emailing [PoleAttach@uesaz.com](mailto:PoleAttach@uesaz.com) and providing the TRSQ of the proposed attachment route. Please allow five (5) days to process this request. See Exhibit B for a Sample Facility Map and Legend.

*Note: If a Facility Map is not attached, the Application will be considered incomplete. In Mohave County a Facility Map is not required, however a geographical map is required with all Applications and Notifications, outlining the proposed Attachment route.*

## COMPLETE AN APPLICATION OR OVERLASH NOTIFICATION

### APPLICATION REQUIREMENTS

There are two (2) different types of Attachment Applications: (1) Standard Permit to Attach; and (2) Small Cell & Wireless Permit to Attach. An Application will be denied if it does not adhere to the requirements specified below. In addition, the Company provides templates, on its website, that must be used when submitting an Attachment Application.

*Note: There is a limit of forty (40) Distribution Poles per Application. However, the Company does not limit the number of Applications.*

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### PERMIT TO ATTACH APPLICATION REQUIREMENTS

A Permit to Attach Application ("Permit") should be used for any Standard or OTMR Wireline Attachment request. OTMR can only be selected if the Licensee's Attachments meet the criteria under the OTMR Process. The Standard process is to be used for Strand Mounts as well.

**The Permit to Attach is on the Company's website at <https://www.uesaz.com/telecommunication-pole-attachments>. The following information must be included in the Application:**

### **Application Summary**

- Licensee Agreement execution date
- # of poles
- Type of permit (Standard or OTMR)
- Application No.
- Licensee Work Order No. (if applicable)
- Approximate location of proposed Attachments
- Company responsible party contact (Corporate)
- Company's local contact information
- Contractor's contact information

### **Standard Permit to Attach Application Specifications**

- Company pole number: obtained from the Company Facility Map
- TRSQ
- Location: Starting point
- Request Type
- Cable Type
- Size of strand
- Diameter of New Cable
- Weight of Cable/Footage
- Riser Quadrant: Only two risers are allowed. Must be same quadrant
- Anchor: Orientation and size (3/4T minimum)

### **OTMR Permit to Attach Application Specifications**

- All of the Standard Permit to Attach Application specifications
- Midspan measurements (if applicable)
- Service Drops
- Total # of risers
- # of existing Attachments
- Licensee & existing Attachment height
- Measurement from lower and top Licensee
- CMR per Attachment (see exhibit H -CMR Legend)

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## **SMALL CELL & WIRELESS APPLICATION REQUIREMENTS**

The Licensee should use a Small Cell & Wireless Permit to Attach ("Wireless Permit") Application for any Wireless Attachment request and include a Search Ring (excludes strand mount) with its Attachment request. The Company limits one Wireless Attachment per Distribution Pole.

**The Wireless Permit is located on the Company's website at <https://www.uesaz.com/telecommunication-pole-attachments>.** In addition to a Search Ring, the following information must be included in the Application:

- Licensee Agreement execution date
- Application Type (Small Cell Pole Mount, Wireless Above Power)
- # of poles
- Licensee Application No.
- Licensee Work Order No. (if applicable)
- Approximate location of proposed Attachment
- Company responsible party contact (Corporate)

- Company's local contact information
- Contractor's contact information

*There is a limit of forty (40) Distribution Poles per Application. However, the Company does not limit the number of Applications.*

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#### OVERLASH NOTIFICATION REQUIREMENT

The Company requires a fifteen (15) day advance notice of any Overlash Attachment including third-party Overlashing. Licensee is prohibited from Overlashing Facilities of a third-party, including an affiliate of the Licensee, unless both the Licensee and third-party have a pole Attachment Agreement with the Company.

*Note: There is a limit of forty (40) Distribution Poles per Application. However, the Company does not limit the number of Applications.*

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#### OVERLASH NOTIFICATION FORM REQUIREMENTS

Each Overlash must meet both the strength and clearance requirement of the NESC.

**A sample Overlash Notification is located on the Company's website at <https://www.uesaz.com/telecommunication-pole-attachments>.** In its notification to the Company, the Licensee is required to provide the following cable characteristics and information:

- Notification date
- Licensee contact information
- Contractor contact information
- Company pole #
- TRSQ
- Overlash Type
- Cable Type
- Diameter of New Cable
- Weight of Cable/Footage
- Diameter and combined weight of all cables

*Note: the sample notification is not mandatory for use, however the above mentioned information must be included in the Licensee's notification.*

#### TREATMENT OF MULTIPLE REQUESTS FOR SAME POLE

The company will consider complete Applications received from multiple Licensees to attach to the same Distribution Pole on a "first-come, first-served," non-discriminatory basis.

If the Company receives a subsequent Wireline Attachment Application for the same Distribution Pole from a second Licensee, following acceptance of a complete Application for the first Licensee and prior to completing Make-Ready Work, the Company will inform the second Licensee of such Attachment request. The Company will require the second Licensee to revise its Application to eliminate the conflict with the first Application (or consider the implications from the first Licensee's Attachments). The second Licensee's application will be denied until such revision and resubmission occurs.

Should the first Application require Company Make-Ready Work on a Distribution Pole with a subsequent request for an Attachment received before the Company completes such Make-Ready Work, the Company will allocate the costs to complete this Make-Ready Work evenly between the requesting Licensees.

In the event that the first Licensee fails to complete its Attachment or Wireless Installation within sixty (60) days, the Company will withdraw the first Application and process the second Application without consideration to the initial first-in Application.



Should the second Application be for a Wireless Installation, the Company will evaluate the Wireless Installation Application as if the Attachment of the first Licensee has been completed.

## UNAUTHORIZED ATTACHMENTS & SANCTIONS

At any time, the Company may audit all or any portion of Licensee's Attachments. Upon discovery of an Unauthorized Attachment, the Company may elect either of the following options: (i) notify Licensee of the Unauthorized Attachment and remove the Attachment within sixty (60) calendar days, if Licensee does not correct the Violation, or (ii) review the Attachment, at Licensee's expense, to determine if the Attachment is in compliance with the Company's Installation Specifications and, if necessary, require Licensee to comply with the Installation Specifications, including any necessary Make Ready Work. For each Unauthorized Attachment discovered by an audit conducted by the Company, the Licensee shall pay an Unauthorized Attachment Penalty.

If the Company discovers, through normal routine pole maintenance and inspection, Violations caused by an Attachment or Overlash then the Company will inform the Licensee in writing. Within sixty (60) days following Licensee's receipt of the Company's notification, the Licensee must submit a plan to the Company to correct the Violation no later than one hundred and eighty (180) days after receiving such notification. The Company will approve Licensee's plan in writing. If a plan to correct the Violation is not submitted within sixty (60) days and/or the work is not completed within one hundred and eighty (180) days, the Company may charge the Licensee a Sanction. If the Licensee fails to adhere to all of the provisions and deadlines set forth in its plan, the Company may impose a Sanction for the uncorrected Violations documented within the plan. For newly constructed or permitted Attachments or Overlashes placed on Company's Distribution Poles, during the Post Inspection, the Company may immediately charge a Sanction, if such Violation is not corrected with fourteen (14) days after receiving the Company's notification of the Violation.

## TRANSFER PROCESS

Except in the case of emergencies, the Company shall provide at least sixty (60) days prior written notice directing the Licensee to remove, relocate, or Transfer its applicable Attachments in cases where the Company is moving or replacing its Facilities. The Licensee will be notified via email.

*If the Licensee fails to timely Transfer, the Company will classify the Attachment a Relocation Violation and the Company may charge the Licensee a Sanction.*

If the Licensee does not respond to the Company's reasonable attempt to coordinate the transfer, or the Licensee does not complete its transfer, the Company may transfer the Licensee's Attachment at its sole cost and expense.

The Licensee must maintain current emergency contact information with the Company at all times. This information is listed within the Annual Report Form.

## REMOVAL NOTIFICATION PROCESS

The Licensee will provide the Company written notice when it removes its Attachment from the Company Distribution Poles, through a Standard Permit to Attach Application Conversation. Absent a Removal Notice, each Attachment will remain subject to the terms and conditions of the Pole Attachment Agreement, including paying an annual rental fee per Attachment.

The Licensee must **remove** all Abandoned Facilities coincident with their replacement.

The Company reserves the right to verify the removal and to remove any unused Attachments with no liability whatsoever to the Company. The Licensee will bear all the costs of the removal of unused Attachments incurred by the Company.

## VEGETATION MANAGEMENT

The Licensee shall be responsible for all tree trimming and other vegetation management necessary for the safe and reliable installation, use, and maintenance of its Attachments, Overlashings and Wireless Installations as applicable, caused by contact between tree limbs and the attaching entities' Attachments, Overlashing and Wireless Installation.

## EXHIBIT A

### SEARCH RING

#### SAMPLE SEARCH RING

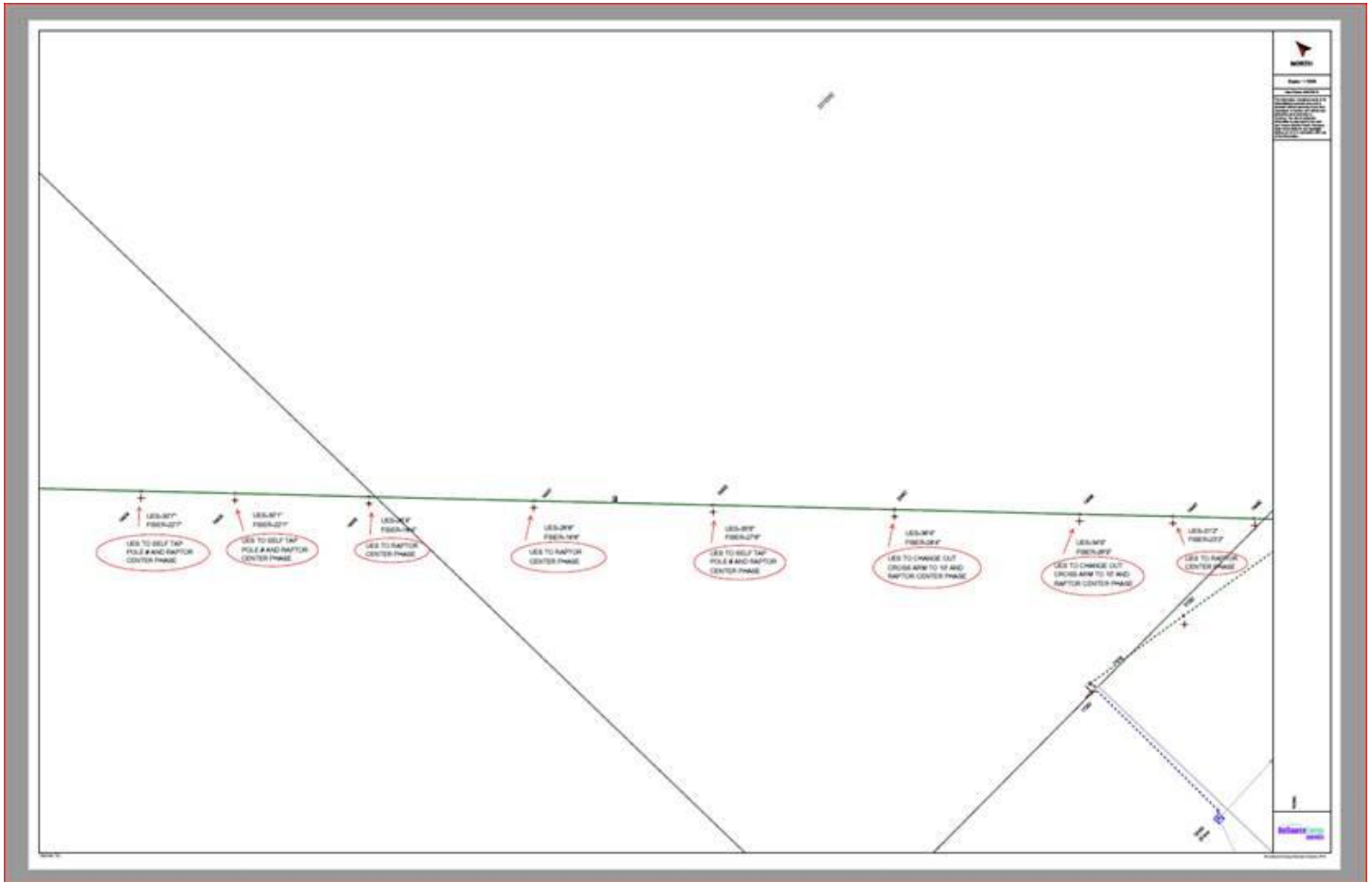


## EXHIBIT B


### FACILITY MAPS


In Santa Cruz County, all Applications and notifications must be submitted with a Company Facility Map. In Mohave County, all Application and notifications must be submitted with a geographical map of the proposed Attachment route.


#### SAMPLE FACILITY MAP (SANTA CRUZ COUNTY ONLY)





## OVERHEAD MAPPING LEGEND


 TEP NON-JOINT USE


 TEP JOINT USE


 TEOCO JOINT USE


 POLE REMOVAL


 TOWER STRUCTURE


 O.H. TRANSFORMER


 O.H. OPEN DELTA BANK


 3 PHASE O.H TRANSFORMER BANK


 ANCHOR


 ANCHOR REMOVAL


 SPAN GUY


 DUSK TO DAWN LIGHT


 DUSK TO DAWN LIGHT REMOVAL


 CAPACITOR

 SWITCH CAPACITOR

 FUSED CUTOUPS

 INLINE DISCONNECT

 UNDERSLUNG DISCONNECT

 LINE RECLOSER

VOLTAGE REGULATOR

PRIMARY METERING

O.H. SERVICE 2 WIRE

O.H. SERVICE 3 WIRE

O.H. SERVICE 4 WIRE

O.H. SECONDARY 2 WIRE

O.H. SECONDARY 3 WIRE

O.H. SECONDARY 4 WIRE

O.H. PRIMARY 1 PHASE

O.H. PRIMARY 2 PHASE

O.H. PRIMARY 3 PHASE

FAULT INDICATOR

PUSH BRACE ANCHOR

FORMALLY: SR-621 Page 1

Tucson Electric Power

SANTA CRUZ COUNTY

INITIATED BY

ED

REVISION NO.

0

ESR COMM.

-

ESR COMM.

7-17

EFFECTIVE DATE

7-17

**LEGEND**

**Pg. 1 of 3**

## EXHIBIT C

### SPECIFICATIONS

These General Attachment Specifications apply to any Attachment and request by a cable television system or provider of telecommunications service to attach to a pole owned by the Company. All requests to attach to a pole owned by the Company must be submitted utilizing the Company's Permit to Attach process. The Company's written approval for the specific request and a validly existing agreement is required prior to installing any attachments to a pole owned by the Company.

#### ATTACHMENT HEIGHT

- A. Each pole attachment is allotted one attachment height (elevation) per pole.
- B. A minimum separation of twelve inches (12") is required from bolt-hole to bolt-hole between pole attachments.
- C. A minimum of eighteen feet (18') attachment height at the pole is required above street, road, driveway crossings or potential drivable areas.
- D. A minimum of fifteen feet six inches (15' - 6") ground clearance is required at mid-span above street, road, driveway crossings or potential drivable areas.
- E. If additional height is required to maintain separation between pole attachments, attachment height, or mid-span ground clearance, then, upon the Company's prior written approval, adjustments may be made in increments of no less than six inches (6").
- F. Standoff brackets or arm installation must maintain at least the minimum clearance from other pole attachments.

#### SEPARATION FROM THE COMPANY EQUIPMENT

- A. The standard separation is thirteen feet six inches (13' - 6") from the pole's primary arm to the nearest pole attachment. Upon request, THE COMPANY may evaluate, but is not required to approve, accommodations for attachments on existing Distribution Poles. Minimum clearance requirements shall always apply.
- B. A minimum separation of forty inches (40"), measured vertically below the lowest point of the following items to the pole attachment, is required:
  - 1. Top of riser pipe on primary, secondary, or service risers.
  - 2. Lowest point of secondary or neutral attachment.
  - 3. Street light metal frame or drip loop (measured from the bottom of the mount bracket).
- C. A minimum separation of twelve inches (12") is required below bonded span guys or down guys to the pole attachment.
- D. All splice cases shall be a minimum of five feet (5') from the pole.

#### HOLE

- A. A minimum separation of six inches (6") between pole holes is required.
- B. Double-drilling holes at the same height is prohibited.
- C. Bands are prohibited on steel poles, except upon the Company's prior written approval.
- D. Eye-bolts for the slack span are required for false dead ends.
- E. Thru-bolts with an eye nut are required for attachment of aerial service wires to steel poles.

#### GUYING

- A. Design of adequate guying and anchoring specific for the proposed attachment is required.
- B. Reliance on existing guying to support the proposed attachment is prohibited.
- C. All guying must be installed prior to installing support messenger.
- D. Utilizing triple anchor eyes is recommended to avoid congestion of attachments.
- E. Slack spans must not place excessive loading or cause additional movement of existing facilities.



**RISER DETAILS - TELCO/CATV**

**RISER  
INSTALLATION SEE  
DETAILS**

THERE WILL BE A MINIMUM OF 3 STANDOFF BRACKETS FOR EACH RISER, INSTALLED WITH THE APPROVED FASTENERS SEE NOTES 1 & 7

**CONDUIT RISER**  
SINGLE COMMUNICATIONS RISER  
USING STANDOFF BRACKETS

**CONDUIT RISER**  
TEP RISER WITH UP TO THREE (3)  
COMMUNICATIONS RISERS

**RISER POLE ATTACHMENT NOTES:**

1. NAILS SHALL NOT BE USED FOR ATTACHMENT OF ANY TYPE OF CONDUIT RISERS. LAG SCREWS ONLY, (3/8"x3" MIN.). RIV-NUTS ON STEEL AND FIBERGLASS POLES.
2. RIGID STEEL OR ALUMINUM, IMC CONDUIT IS REQUIRED FOR RISERS WITH PROPER THREADED COUPLING. NO PVC PRODUCTS ARE ALLOWED
3. THERE SHALL BE NO MORE THAN 3 COMMUNICATIONS CONDUITS, UP TO 3" IN DIAMETER OR 2-4" CONDUITS ON ANY UTILITY POLE.
4. IF THERE IS A PRIMARY OR SECONDARY TEP RISER ON A POLE, IT SHALL NOT BE RE-POSITIONED WITHOUT TEP AUTHORITY. CONTACT DESIGN FOR CONSTRUCTION REQUIREMENTS. COMMUNICATIONS RISERS SHALL BE CLUSTERED (SEE DETAILS ABOVE) IN THE SAME QUADRANT AS THE UTILITY RISER.
5. IF THERE IS NO TEP RISER ON THE POLE, THE COMMUNICATIONS RISER SHALL BE ON THE OPPOSITE SIDE OF POLE FROM ON-COMING TRAFFIC.
6. STANDOFF BRACKETS SHALL HOLD CONDUIT 4" OFF OF WOOD POLES. ALUMA-FORM MANUFACTURES UNITS USED BY TUCSON ELECTRIC POWER CO., SEE APPROVED CAT. NUMBERS.
7. SEE SR-220, PG. 2 OF 2 FOR PROPER RISER INSTALLATION.
8. FOR POLES CONTAINING INTERNAL CABLES, RISERS OR FIBER, ONLY EXTERNAL BANDING METHODS MAY BE USED. FOR QUESTIONS ABOUT POLES WITH INTERNAL CABLES, OR TO ENSURE SUCH POLES ARE PROPERLY IDENTIFIED PER TEP SPEC EM-S31, PLEASE CONTACT TEP TELECOMMUNICATION PROJECT MANAGER AT 918-8360.

APPROVED CONDUIT BRACKETS CATALOG NUMBERS

2"	4-CSO-7/stk-2T
2.5"	4-CSO-7/stk-2.5K
4"	4-CSO-7/stk-4
6"	4-CSO-7/stk-6

FORMERLY SR-221, SECTION 200

		INITIATED BY	ED	REVISION NO.	0	<b>SR-805 Pg. 1 of 1</b>
		ESR COMM.	9-17	ESR COMM.	-	
				EFFECTIVE DATE	-	

INTERNAL RISERS (SANTA CRUZ COUNTY ONLY)

For poles containing internal cables, risers or fiber, only external banding methods may be used. See below example label and picture.

### SIGN, WARNING AND CAUTION Internal Cables

USE: Warning sign - For installation on poles with internal cables containing hazardous voltage

Stores No. 2-15-1988

USE: Caution sign - For installation on poles with internal cables that may be damaged but do not contain hazardous voltage

Stores No. 2-15-1989

7"

3"

1/8" round corners

3/8" x 13/16" slots for banding

orange yellow

3/8" x 13/16" slots for banding

**NOTES:**

1. Sign shall meet Z535 latest revision
2. Sign shall have a 30 year life expectancy
3. Material shall be reflective polycarbonate and measure .25" thick
4. For installation, signs on tangent structures shall be mounted on two opposite sides of the pole 10' from the ground and parallel to conductors. Signs on deadend structures shall be mounted on two opposite sides of the pole 10' from the ground and perpendicular to conductors. (Use banding material found on EM-B02 for mounting)

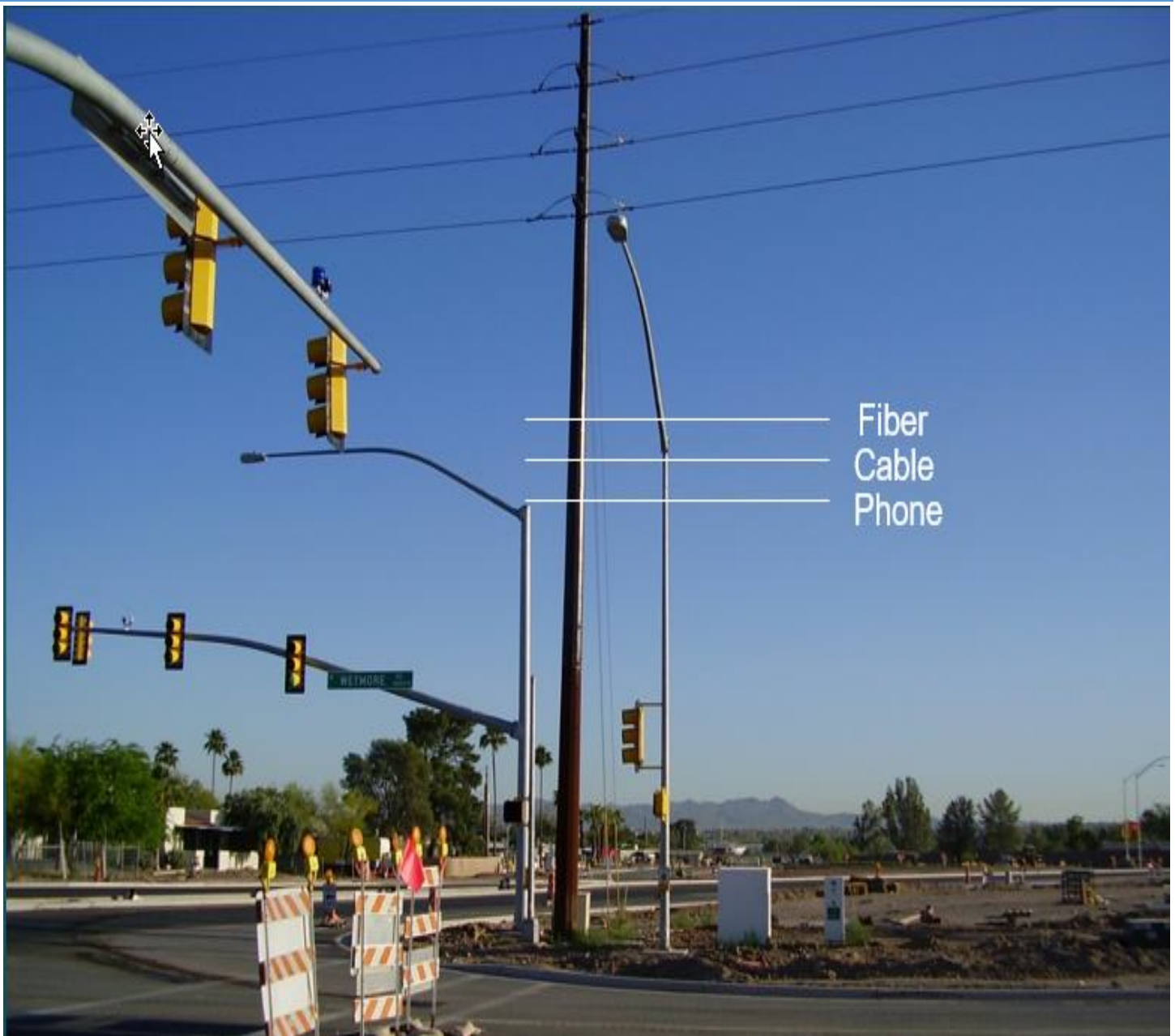
		INITIATED BY	ME	REVISION NO.	<b>EM-S31</b> Pg. 1 of 1
		STANDARDS COMM.	5-11	STANDARDS COMM.	
				REVISED BY	





## HIERARCHY ON POLE/TAGGING

The Licensee must use tags to identify ownership of Attachments to poles. The Licensee must identify communication cables by tagging every cable at every three (3) pole. For existing attachments without tags, the Licensee should identify existing untagged cables during normal maintenance.



## EXHIBIT D

### CMR LEGEND

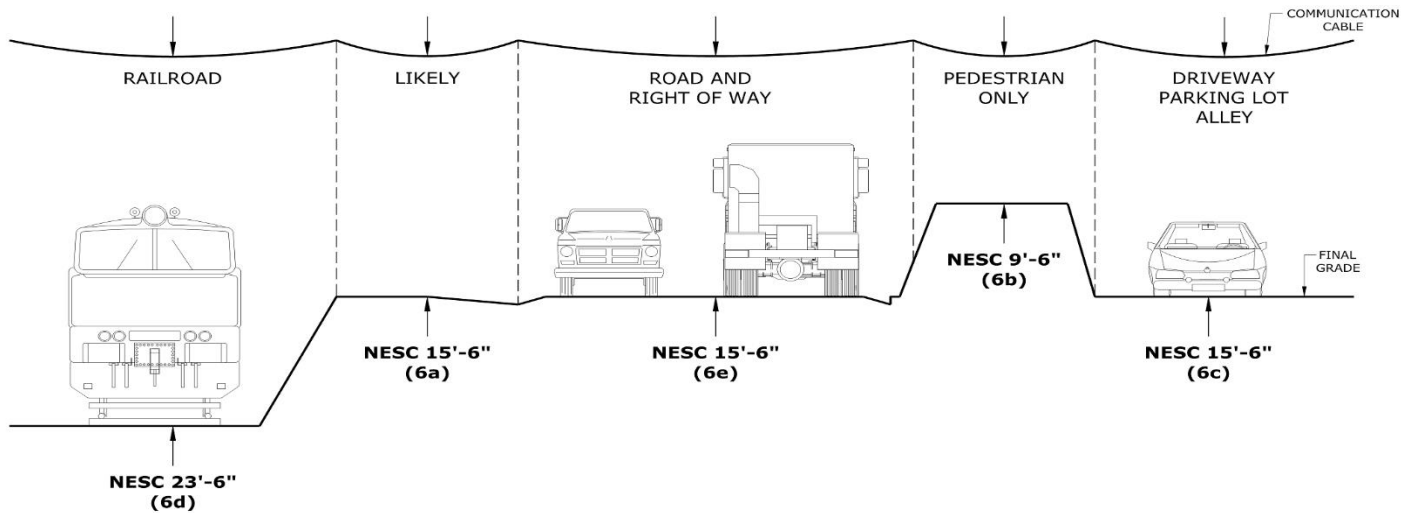
The below acronyms will be used when noting make-ready.

<u>CMR</u>	<u>Acronym</u>	<u>CMR</u>	<u>Acronym</u>
Anchor	ANC	Quadraplex	QUAD
Attach	ATT	Raise	RSE
Band	BND	Riser	RSR
Cable	CA	Secondary	SEC
Cable Extension Arm	CE ARM	Secondary Riser	SEC RSR
Capacitor	CAP	Service Riser	SERV RSR
Concrete	CONC	Side Pull	SP
Cross Arm	X-Arm	Sidewalk Anchor	SW ANC
Dead-end	DE	Slack Span	S/S
Double Dead End	DDE	Steel	STL
Drop Wire	DW	Steel with Concrete	STL/CONC
Duplex	DUPL	Strand	STR
Extend	EXT	Street Light	ST LT
False Dead End	FDE	Transfer	TRF
Fiber	FBR	Transformer	XFMR
Fiberglass	FG	Transmission	TRANS
Galvanized Iron Pipe	GIP	Trim Tree	TR TREE
Ground	GRD	Quadraplex	QUAD
Guy	GUY	Raise	RSE
Height	HT	Riser	RSR
Lead	LD	Secondary	SEC
Loops	LPS	Secondary Riser	SEC RSR
Lower	LWR	Service Riser	SERV RSR
Midspan	M/S	Side Pull	SP
Midspan Cross Over	M/S XO	Sidewalk Anchor	SW ANC
Midspan Pull Off	M/S PO	Slack Span	S/S
Overhead Guy	OHG	Steel	STL
Overlash	OL	Steel with Concrete	STL/CONC
Primary	PRIM	Strand	STR
Primary Riser	PRIM RSR	Street Light	ST LT
Quadraplex	QUAD	Transfer	XFR
Raise	RSE	Transformer	XFMR
Riser	RSR	Transmission	TRANS
Secondary	SEC	Trim Tree	TR TREE
Secondary Riser	SEC RSR		

## EXHIBIT E

### CLEARANCE OF CONDUCTORS AND COMMUNICATION CABLE

The Company minimum ground clearance for communication cables for common situations follow the below. The Company minimum equals NESC minimum at the lowest point (mid-span).



- a. **Parallel to Highways, Roads, Streets, Alleys or other Road Rights-Of-Way:** Company minimum: fifteen feet - six inches (15'-6"). The clearances may be reduced by six inches (6") if the pole is located behind a curb.
- b. **Pedestrian Traffic Only:** Company minimum: nine feet—six inches (9'-6"). Spaces and ways subject to pedestrians or restricted traffic only are those areas where riders on horses or other large animals, vehicles, or other mobile units exceeding a total height of 8 ft. are prohibited by regulation or permanent terrain configurations, or are otherwise not normally encountered nor reasonably anticipated.
- c. **Driveways, Parking Lots and Alleys:** Company minimum: fifteen feet—six inches (15'-6").
- d. **Railroad Crossings:** Company minimum: Twenty-three feet—six inches (23'-6"). Note: Always check the individual requirements of each railroad being crossed. Where railroad requirements exceed the Company Minimum, meet railway clearance requirements set by the operator of the rail the line will be crossing.
- e. **State Roads and Interstates:** Company minimum: fifteen feet—six inches (15'-6").

For additional information, please reference Table 232-1 of the NESC.

## CLEARANCES OF OVERHEAD LINES

Clearances of conductors and communication cables on Company facilities based on NESC Rule 235-C.

<b>Conductor above Communication Cable</b>	<b>At the Structure</b>	<b>Mid-Span</b>
Neutrals*	40 in	30 in
120V-13.8 kv Cables and Conductors	40 in	30 in
20.8 kv Conductors	42 in	32 in
46kv Conductors	48 in	36 in

\*The mid-span clearance will usually be the limiting factor, which will require a much greater clearance at the structure than that specified in the above table.