

APPENDIX R - EMC RULES AND PRACTICES FOR ATTACHMENTS

1. Licensee shall install and maintain its Attachments at its own expense.
2. Any unbalanced loading of EMC's Distribution Poles caused by the placement of Licensee's circuits shall be properly guyed and anchored by Licensee with a guy and anchor provided by Licensee, at no expense to EMC. Licensee may not place new guy attachments on EMC's anchors without EMC's prior consent. If mutually agreed between the Licensee and the EMC, EMC may install anchors and anchor rods, at Licensee's expense, with sufficient capacity for the EMC's and Licensee's guying attachments. When the parties agree to use a common anchor, Licensee shall re-install EMC's anchor rod bonding clamps on EMC anchors after installing guy attachments to the anchor.
3. A preliminary "ride through" of the proposed route of Licensee's communications facility shall be made by representatives of EMC and Licensee when necessary.
4. Licensee shall check and verify the condition of any Pole prior to climbing or performing work on it. If a Pole is deemed unsafe, Licensee must immediately cease all work on said Pole and notify EMC by telephone and in writing as soon as practicable.
5. All Attachments shall be located on the same side of each Pole as any existing telephone or communications cable, or as otherwise designated by EMC.
6. On Attached Poles where EMC has secondary conductors, all Attachments shall be located on the same side of the Pole as the secondary conductors, or as otherwise designated by EMC.
7. Licensee shall cause all cabinets, enclosures, and messengers to be effectively grounded in accordance with the NESC and all revisions thereof. Licensee shall instruct its employees, contractors, and other representatives working on EMC's poles of the dangers associated with bonding its facilities to the EMC "vertical ground wire" and associated dangers thereof, and shall provide adequate training and protective equipment so as to protect its employees, contractors, and other representatives from bodily harm. The EMC assumes no responsibility either for instructing Licensee's personnel or furnishing equipment to Licensee's personnel, or for any liability for Licensee's personnel working on EMC poles, except as provided for in the indemnity provisions of the Agreement.
8. Licensee shall install no power supply on any of EMC's Poles on which underground electric services, capacitor banks, sectionalizing equipment or voltage regulators are already installed.
9. No electrical service connection to a communications power supply shall be made or installed by Licensee until after EMC shall have completed inspection of an approved fused service disconnect switch or circuit breaker.
10. No bolt used by Licensee to attach its facilities shall extend or project more than one (1) inch beyond its nut.
11. All Attachments of Licensee shall have at least two (2) inches clearance from unbonded hardware such as pedestals and any other enclosures containing equipment.
12. All of Licensee's Attachments shall comply with the more stringent of either EMC's or NESC clearance and separation requirements and shall be located on all new or transferred attachments a minimum of forty (40) inches below EMC's lowest attached

- facilities. On EMC Poles supporting streetlights, Licensee's Attachments may be installed to comply with the NESC clearance requirements for the street light "drip loop", as long as Licensee's Attachment also maintains forty (40) inches from other EMC facilities on the Pole. All mid-span clearances between Licensee's facilities and EMC's lowest conductors shall comply with NESC clearance requirements.
13. Licensee may, with prior approval of EMC, install cross arms, alley arms, or cable extension arms for the support of any of its facilities. However, Licensee shall not use any cross arm or alley arm brace above the arm that it supports.
 14. Licensee shall install and maintain any and all of its facilities in a neat and workmanlike manner consistent with the maintenance of the overall appearance of the jointly used Pole and subject to the standards set forth in Article 3. Where a disparity exists between EMC's standards, Governmental requirements, the NESC, this Appendix R, or other written requirements in this Agreement, the most stringent shall apply.
 15. In the event that any of Licensee's proposed Attachments are to be installed upon Poles already jointly used by EMC and another party(ies), Licensee shall negotiate with such other party/parties to determine clearances between its facilities and those of EMC and such other party/parties, except that Licensee may not in any way modify the clearance requirements set forth in this Agreement
 16. Guy markers shall be installed and maintained on all guys.
 17. Where, at the sole discretion of the EMC, the future installation of a transformer, underground cable riser, or other similar EMC equipment is likely, all new attachments will be made at least seventy-two (72) inches under the primary neutral. Clearances not specified in this rule shall be determined by reference to the National Electrical Safety Code. Licensee shall be notified of this possibility in the Appendix A application process.
 18. All anchors and guys shall be installed and in effect prior to the installation of any of the Licensee's messenger wires or cables. All anchors and rods shall be in line with the strain and shall be installed so that approximately six (6) inches of the rod remains out of the ground. Cutting of anchor rods to reduce anchor rod extension above the ground line is not permitted. The entire length of the anchor rod should be set in a straight line between the Pole attachment and the point where the rod attaches to the anchor. In cultivated fields or other locations the projection of the anchor rod above earth may be increased to a maximum of twelve (12) inches to prevent burial of the rod eye. The backfill of all anchor holes must be thoroughly tamped the full depth.
 19. Sidewalk guys shall be permitted by special exception only.
 20. No Licensee guys may be attached to EMC guys (except grounding connections). Attachment of Licensee guys to EMC anchors shall be permitted only with approval by the EMC.
 21. With respect to all communications-protective devices, Licensee agrees that EMC may construct all its facilities in accordance with "Grade C" construction as applicable under NESC Rule 242, Table 242-1, Footnote 7.