1.0 **Policy Statement**
This policy establishes guidelines for the acquisition, installation and maintenance of the fiberglass telecommunications bracket ("Bracket") on overhead distribution poles owned by Consolidated Edison Company of New York, Inc. ("CECONY" or "Company").

2.0 **General**
The Bracket will allow for the attachment of multiple (CATV) span wire or a small type panel antenna in the telecommunications zone to a single support. Use of the Bracket will encourage non-discriminatory access to and orderly installation of CATV/Telecom facilities on CECONY overhead distribution poles.

3.0 **Application**
This procedure applies to all operating areas, except Manhattan.

4.0 **Definitions** (in alphabetical order)

4.1 **Agent.** A representative of any company, with authorization to make decisions and enter into contractual agreements on behalf of that company. If a CATV/Telecom company is attached to any pole in a proposed walk, that company is required to have a representative present during the multi-party pole walk.

4.2 **Area Coordinator.** The individual designated in the Electric Operations organization of each Customer Service area to administer this procedure.

4.3 **Franchise.** A right granted by a local government or municipality, for a specified number of years, to provide telecommunication service within a specified geographical area.

4.4 **Licensee.** A party other than the Telephone Company having the appropriate public or private authority to construct, operate, or maintain its facilities on public or private property. That licensed party becomes an "attachée" once its facilities are installed on CECONY property.

4.5 **Make-ready Work.** Alterations to utility poles, which must be made by CECONY, the Telephone Company or others before a licensee, can attach equipment to those poles.

4.6 **Pole Attachment License ("License").** An authorization given by the owner of the pole (CECONY or the Telephone company) to a licensee to attach specific equipment to specific utility poles within the franchise area.
4.7 **Pole Survey Walk Record ("Walk Sheet")**. A document identifying the walk number and listing, in consecutive order, the poles to be surveyed in that walk (Exhibit A). This document is used to record, in detail, the make-ready work required on each pole, specifying the parties responsible for that work.

4.8 **Project Specialist**. The individual designated in the Telecom Applications Management (TeAM) department to administer this procedure.

4.9 **Walk**. A continuous segment of a licensee franchise area, consisting of approximately 200 poles, proposed by a licensee and forming the basic unit of make-ready work and licensee construction. A multi-party walk involves the surveying of the above-mentioned poles by the proposed licensee and all other attachés to that pole (including CEONY, Verizon and all other existing licensee).

4.10 **Wireless Antenna**. A small panel type antenna measuring 12” wide by 26” high by 8” deep that can be installed in the Telecommunications zone on the Pole.

5.0 **Determining Use of Bracket**

5.1 The use of the fiberglass bracket for span wire will be considered on a limited case-by-case basis. CEONY reserves the right to direct a new licensee or any existing licensee (other than the Telephone company) requesting attachment space to purchase and pay for the installation of the Bracket. Once the Bracket is installed on a CEONY-owned pole, the Bracket becomes the property of CEONY. The use of the Bracket may be authorized for temporary attachments, however, the bracket for span wire will be required to be removed and a permanent attachment to the pole will be made within 30-days of the completion of the make-ready work.

5.2 It shall be determined during the multi-party pole walk if the installation of the Bracket for the span wire will be authorized. The use of the bracket will not be authorized if the subject pole can be re-arranged to accommodate access to the new licensee. If all representatives present at the multi-party pole walk agree to the installation of the bracket, an entry shall be made on the walk sheet, indicating:

- The Licensee requesting the make-ready work,
- The Licensee responsible for purchasing and installing the Bracket,
- Any other required make-ready work and the Licensee(s) responsible for that work.

6.0 **Bracket Acquisition and Installation**

6.1 The new licensee requesting the attachment and authorization for the use of the Bracket will purchase and install the Bracket where directed by the Area Coordinator. It will be at the sole cost and expense of the new Licensee to relocate any existing attachés(s) to the Bracket if the bracket is utilized for span wire installation.
6.2 It is the Responsibility of the new licensee to notify the existing attachés(s) that their facility is being relocated to the bracket.

6.3 Once all required make-ready work has been completed, new Licensee will be issued a license to attach its facilities to the second attachment point on the bracket, 12” away from the base of the bracket.

6.4 Subsequent licensees requesting access to that pole will be required to attach their facility to the first open space on the Bracket from the pole.

6.5 Fiberglass bracket used for the installation of a panel type antenna may not be utilized for span wire attachments.

7.0 Make-Ready Work Costs
The licensee requesting the make-ready work is responsible for paying for all labor and material costs including:

- The cost of the Bracket,
- The make-ready work costs incurred by CECONY, the Telephone company and/or other licensees already installed on the pole.

8.0 Maintenance of Bracket and Attached Facilities

8.1 Restoration
Each licensee, whether its facilities are attached directly to the pole or supported by the Bracket, is responsible for restoring its own facilities in the event that they are damaged. If the Bracket is damaged by a Licensee, it is the responsibility of the Licensee to replace existing attachés to the newly installed Bracket at the sole cost and expense of the Licensee that damaged the Bracket.

8.2 Liability
Liability requirements specified on “Pole Attachment Agreements” applies.

9.0 References

33521 Pole Space Allocation and Telecom Clearances
EO-32595: Fiberglass Telecommunication Bracket for Tangent and Angel Construction
Catalog # Maclean GIMAO 124AD Fiberglass – Single phase/double position bracket for small panel type antennas
TeAM Policy 012-00-1: Conducting Multi-party Pole Walks to Determine Make-Ready Work
TeAM Policy 561-01-2: Cable Television and Communication Licensees
10.0 Exhibits

Exhibit A: Pole Survey Walk Record
Exhibit B: 335241
Exhibit C: EO-325595
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<th>POLE</th>
<th>OWNER</th>
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<th>Makeready Required OR P/S IDENTIFICATION #</th>
<th>LICENSEE ATTACHMENT LOCATION</th>
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# Poles
Telco 5
Power 5
Total 10

Post Survey

Representative
Tel Co. J. Smith
Power Co. H. Doe
Licensee CATV Co.
Walk Date 3/21/06
CONSTRUCTION NOTES

1. CABLE TV RISERS NOT ALLOWED ON POLES WHERE POWER OR TELEPHONE RISERS ARE PRESENT OR PROPOSED.

2. A 2'-0" SQUARE CLIMBING SPACE SHALL BE PROVIDED "TANGENT TO THE POLE AND SHALL BE KEPT CLEAR OF SERVICE DROP." ITS HEIGHT AND WIDTH SHALL EXTEND AT LEAST 3'-0" ABOVE AND BELOW ANY CONDUIT ABOVE OR FACILITY.

3. ONE CURB SIDE UNIT SHOULD BE KEPT CLEAR OF SERVICE DROP TO FACILITATE POLE REPLACEMENT AND RIDE SHRUBS PERIODICALLY.

4. CABLE TRUNKS SHOWN SHOULD BE UTILIZED AERIAL CABLE AND CABLE TV.

5. GROUND FOR STREET LIGHT SHALL BE NO. 6 GROUND COPPER FROM BOTTOM OF STREET LIGHT BRACKET TO NEUTRAL.

6. 3" IF DIP LOOP IS COVERED BY A SUITABLE 1/2" NONMETALLIC COVERING (STND. NO. 598-0745) WHICH EXTENDS AT LEAST 2'-0" BEYOND THE LOOP.

7. ADDITIONAL 1 OR 2 AERIAL CABLES MAY BE INSTALLED IF PROPER POLE LOADING ANALYSIS HAS BEEN DONE, AND CLEARANCES OF 2'-0" BETWEEN TOP AND BOTTOM AERIAL CABLES AND 1'-0" FROM TOP AERIAL CABLE TO LOWEST SECONDARY WIRE OR 1'-0" TO SERVICE MESSENGER ABOVE ARE MAINTAINED.

8. USE 1'-0" OF CLEARANCE IF STEEL MESSENGER SERVICE IS NOT INSTALLED.

9. IF FIRE ALARM WIRE IS NOT INSTALLED, FOLLOW MINIMUM CLEARANCE FROM LOWEST ELECTRIC LINE TO UPPER TELECOM LINE FACILITY.

10. IF THE STEEL MESSENGER SERVICE OR THE AERIAL CABLE/MESSER SEE IS NOT INSTALLED, APPLY 2'-0" RADIAL WORKING CLEARANCE FROM LOWEST SECONDARY WIRE.

11. MAINTAIN 2'-0" MIN. CLEARANCE BETWEEN LOWEST AERIAL CABLE/MESSER SEE, GROUNDED EQUIPMENT CASING AND FIRE ALARM WIRE/UPPER TELECOM LINES.

12. IF AERIAL CABLE IS NOT INSTALLED, MAINTAIN 3'-0" CLEARANCE BETWEEN EITHER AERIAL MESSER SEE, GROUNDED EQUIPMENT CASING AND FIRE ALARM WIRE/UPPER TELECOM LINES.

13. MAINTAIN 1'-0" CLEARANCE BETWEEN TELECOM FACILITIES.

14. EXPOSED CABLES AT TOP OF RISER PIPES TO HAVE 2'-0" MIN. CLEARANCE FROM GRADE PROVIDED 40'-0" MIN. CLEARANCE IS MAINTAINED FROM THE CLOSEST TELECOM FACILITY AND THAT RISER IS INSTALLED TO THE CLOSEST TELECOM FACILITY.

15. CLEARANCE OF 20'-0" MIN. FROM BOTTOM OF TRANSFORMER TO GROUNDED SERVICE OR AERIAL CABLE MESSER SEE, 30'-0" TO TELECOM CABLE.

THIS DRAWING REPLACES ED-2079-B & ED-14060-B
**TELECOMMUNICATION BRACKET ON POLES WITH STREET LIGHTING BRACKET**

**TELECOMMUNICATION BRACKET ON LINE POLES**

**TELECOMMUNICATION BRACKET ON TRANSFORMER POLES**

### NOTES:
1. Bracket to be installed on tangent (straight) or angle construction. (Up to 1 degree for wire cambered pulling arm away from pole, up to 3 degrees for wire cambered pulling arm into pole).
2. Position bracket so that the highest point is not greater than 6 inches from the nearest insulated electric line.
3. Install bracket on field side poles unless precluded by field conditions.
4. Follow designated ground wire and practice to ground messenger supporting the bracket.
5. First attach bracket to pole then attach ground wire from a coiled to pole (with no compression) to pole. If an equipment grounding wire connects to a downed ground rod, then grounding wire (or otherwise) will be made to the equipment grounding wire at a connection point within the transformer zone, subsequently connected to the ground wire to bracket AS Shown.
6. Position bracket so that it is in compression (pushed into pole).
7. All crossarms should be straight or at 60°. Crossarms are prohibited unless approved by RCEA (Rural Co-op Engineering Association). (See Diagrams B & C).
8. If span B < 130' (less than 130 feet) then switch from field side to street side with a second span attached bracket on 180° pole of transformer on a 45° angle. (See Diagram A)
9. If span B > 180° (greater than or equal to 120 feet) then switch from field side to street side with 1 span (See Diagram A).
10. In cases where there are two routes, and two brackets are required, maintain a clearance of 12° between brackets.
11. Primary construction may utilize B-91-89/90/91/92 PM construction.

### FIBERGLASS TELECOMMUNICATION BRACKET FOR TANGENT AND ANGLE CONSTRUCTION

**REFERENCES:**

- **FIBERGLASS BRACKET APPLICATION:** Policy 001-01-0
- **FIBERGLASS BRACKET AUDIT:** Policy 001-01-0
- **WIRE CLEARANCES:** Policy 001-01-0
- **SERVICE CONNECTION TO CABLE TV POWER SUPPLY:** Policy 001-01-0

**CONTRACTOR:** Consolidated Edison Company of N.Y., Inc.

**ENGINEERING DEPT.**

**DATE:** 6/30/04

**DRAWING:** 325595

**ISSUE:** 3