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Project Experience:

Mr. Cooper has over 35 years of experience in radio frequency and telecommunication systems design, installation, and management. He has held key positions with the US government, as a principal of Flack + Kurtz Consulting Engineers and as founding principal of AKF Technologies, LLC. Noteworthy accomplishments in the radio frequency field include:

- Development and commercialization of one of the first practical software modeling tools for wireless communications in the Super High and Extremely High Frequency bands.
- Responsible for numerous wireless investigations, site selections and placement cases for towns, property owners and regional planning authorities.
- Appearance as an expert witness in wireless cases before planning authorities, boards and the courts.
- Responsible for the technical design, business case, and implementation oversight of Berkshire Connect, an innovative county-wide network of digital microwave, millimeter wave and optical fiber facilities designed to bring affordable Internet services to Berkshire County, MA. The project was cited by the Chairman of the FCC as a “national model” for regional telecommunications development.

Telecommunications and Radio Frequency Master Planning

- County of Arlington, VA
- James Madison Univ. College of Integrated Science & Technology, Harrisonburg, VA
- Connect One Georgia, Macon, GA
- Mountain Area Information Network, Asheville, NC
- Mercer University Enterprise Center – Macon and Atlanta, GA
- City of Signal Hill, CA
- Town of Egremont, MA
- Town of Southold, NY
- Digital Microwave Corporation, CA
- Housatonic Valley Association, CT
- Dutchess County Planning Federation, NY
- Town of Stockbridge, MA
- Town of Brookline, MA
- American Red Cross Disaster Services, Washington, DC
- Patterson Cyber District, Patterson, NJ
- Berkshire Connect, Berkshire Regional Planning Commission, Pittsfield, MA
- Franklin Connect, Franklin Regional Council of Governments, MA
- Tech Commons, Southfield, MI
- Northwestern Connecticut Council of Governments
- Cape Cod Commission, MA
- Berkshire Natural Resources Council, MA
- Berkshire-Litchfield Environmental Council, CT
- Town of Cape Elizabeth, ME
- Global Crossings/Equal Access Network, Springfield MA
- Connecticut Federation of Planning and Zoning Agencies
- Center for the New West, Denver, CO
- Lonestar Gas, Dallas, TX
- Ebasco Services, New York, NY

- Con Edison, New York, NY
- U.S. West Advanced Technology Center, Denver, CO
- Hutcheson Telecommunications Ltd., Hong Kong
- Union Switch & Signal Research Center, Pittsburgh, PA
- Newark Digital Century Building, Newark, NJ

Cellular and PCS Facility Siting Cases

- Town of Williamstown, MA*
- Town of Brookline, MA*
- Town of West Stockbridge, MA
- Town of Barnstable, MA
- Town of Lenox, MA
- Town of Great Barrington, MA*
- Town of Monterey, MA
- Town of Egremont, MA*
- Town of Falmouth, MA
- Town of North East, NY
- Town of Philipstown, NY
- Town of Mohawk, NY
- Town of Lebanon, NY
- Town of Pound Ridge, NY*
- Town of Woodstock, NY*
- Town of Wappinger, NY*
- Town of LaGrange, NY
- Town of New Castle, NY
- Town of Clarkstown, NY
- Village of Munsey Park, NY*
- Village of Mamaroneck, NY
- Village of Tarrytown, NY*
- Village of Briarcliff Manor, NY
- Village of Upper Nyack, NY
- Town of Canaan, NY
- Town of Clinton, NY
- Scenic Hudson/Olana Estate, NY
- Town of Islip, NY*
- Town of Southold, NY*
- Town of Hempstead, NY
- Highlands Homeowners Association, Ft. Montgomery, NY
- Town of North Salem, NY
- Town of Rochester, NY
- 7th Avenue Associates, New York, NY*
- Manhattan Place, New York, NY
- 802 Second Avenue, New York, NY
- 484 Broadway, New York, NY
- Sovereign Apartments, New York, NY
- Franklin Square United Neighborhood Association, Franklin Square, NY
- Palisades Interstate Park Commission
- Arden House, Harriman, NY
- Town of Litchfield, CT
- Town of Redding, CT
- Town of Sharon, CT
- Town of Southbury, CT
- Town of Hamden, CT
- Town of New Milford, CT
- Concerned Shermanites, Sherman, CT
- City of Torrington, CT
- Town of Farmington, CT
- Falls Village, CT*
- Town of Washington, CT
- Citizens of Gaylordsville, CT
- Citizens of Warren, CT

*Multiple Engagements.

Wireless Technology Design Projects

- Sussex County Consolidated E 9-1-1 Center, Newton, NJ
- Sussex County Public Safety Radio Networks, NJ
- Public Safety/Life Safety Distributed Antenna System, World Trade Center Reconstruction, New York, NY
- Town of Woodbridge Police, Woodbridge, NJ
- Telefonica R&D Headquarters Facility, Madrid, Spain
- Sydney 2000 Olympic Stadium, Sydney, Australia
- Polytechnic Univ., Center for Advanced Telecommunications Technology, NY
- Bell Labs Renovation, Murray Hill, NJ

- General Electric Executive Education Center, Ossining, NY
- JFK International Airport General Aviation Terminal, NY
- Yale University Sterling Law School, New Haven, CT
- University of Maryland School of Law, Baltimore, MD
- Case Western Reserve University, Cleveland, OH
- Lehigh University Campus Network, Bethlehem, PA
- Sloan-Kettering Memorial Cancer Center, New York, NY
- New York University, New York, NY
- NYU Medical Center Distributed Antenna System, NY
- NYU Ambulatory Care Center, NY
- Woolworth Building, New York, NY
- Greenwich Public Schools, Greenwich, CT
- Hudson Valley Health Alliance EMS Radio System, Kingston, NY
- Maine Medical Center, Portland, ME

Education:

B.S., United States Military Academy

M.B.A. (Management Information Systems), University of Georgia

Diploma, Command, Control & Communications, Armed Forces Staff College

Diploma, US Army Command and General Staff College

Lectures/Publications

A noted expert in his field, Mr. Cooper has presented lectures in telecommunications at the Princeton University Graduate School of Architecture, New York University, the James Madison University College of Integrated Science and Technology and the College of William & Mary Christopher Wren Association. He has presented seminars on telecommunications planning and design for various groups, including:

- Scenic Hudson, NY
- American Institute of Architects
- Boston Society of Architects
- Society of College and University Planners
- American Association of Hospital Engineers
- Institute for International Research
- International Development Research Council
- Construction Specification Institute
- Men/Women in Telecommunications

Mr. Cooper is Associate Editor of McGraw-Hill's *Timesaver Standards: Architectural Fundamentals and Design Data, 7th Edition* and author of the telecommunications chapters of McGraw Hill's *Timesaver Standards for Urban Design*. He developed the *Digital Microwave Path Analysis Propagation Program* for Digital Microwave Corporation and has also written articles for *Business Communications Review*, *Communications News*, *Consulting-Specifying Engineer*, *Construction Specifier*, *Architectural Record*, *Building Design & Construction*, *New York Construction News* and *Crain's New York Business*.