

Chapter 15-12 Electronic Communications and Alternative Energy Sources

15-12-02 Wireless Telecommunications Facilities

A. **Definitions** The following definitions are specific to this Chapter.

EQUIPMENT FACILITY. Any building, shelter or cabinet used by telecommunication providers to house switching, backup or other equipment at a Telecommunications Facility.

ANTENNA. Any system of wires, poles, rods, arms, reflecting discs or similar devices of various sizes, materials, and shapes including but not limited to solid or wire-mesh dish, horn, spherical or bar configuration used for the transmission or reception of radio signals. Types of antennas include:

1. Wall Mounted Antenna. Any antenna mounted directly to the fascia or outside wall of a structure, existing parapet walls, penthouses, or mechanical equipment rooms, with no portion of the antenna extending above the roofline of such structures.
2. Roof Mounted Antenna. An antenna mounted directly to the roof of a building, mechanical penthouse or parapet enclosure wall which is on the roof top of a building.
3. Top-hat Antenna. A spatial array of Antennas, generally located on a free-standing structure, where the visible width of Antennas and Antenna Mounting Structures are more than three (3) feet in width as viewed looking directly at the structure.
4. Whip Antenna. An Antenna that is cylindrical in shape. Whip Antennas can be directional or omnidirectional and vary in size depending upon the frequency and gain for which they are designed.
5. Utility Pole Antennas. Any Antenna mounted directly to a street light pole. This definition shall not include poles carrying electrical lines, telephone lines or any other type of utility not specifically included above.

ANTENNA SUPPORT STRUCTURE. A structure the principle purpose of which is for location of Antennas. Types of Antenna Support Structures include:

1. Monopole. A free standing Antenna Support Structure placed directly on the ground used to support one or more Antennas.
2. Lattice Tower. A self-supporting multiple sided, open steel frame structure used to support one or more Antennas.

CO-LOCATION. A Telecommunications Facility comprising more than one telecommunications provider's Antennas.

RESIDENTIAL INSTITUTIONAL USE. A school, church, clubhouse or public building in a residential zone. This definition does not include residences or multi-family structures containing one or more residential units.

TELECOMMUNICATIONS FACILITY. An unmanned structure which consists of equipment, including Antennas, Antenna Support Structures and Equipment Facilities as defined herein, that transmit and/or receive voice and/or data communications through radio signals such as "cellular" or "PCS" (Personal Communications System) communications and paging systems.

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NON-STEALTH DESIGN. Any Antenna or Equipment Facility not camouflaged in a manner to blend with surrounding land uses, features or architecture. The design does not conceal the intended use of the telecommunications facility. A Monopole with Equipment Facilities above ground and unscreened would be considered non-stealth.

STEALTH. Antennas, Antenna Support Structures and Equipment Facilities camouflaged or designed to blend with surrounding land uses, features, and architecture, thus minimizing the aesthetic impact on adjacent uses, thereby concealing the intended use and appearance of the Telecommunications Facility such as heavy landscaping, installing Telecommunications Facilities within existing buildings, or placing Equipment Facilities underground. A flush Wall Mount Antenna painted the same color as the background, located on a building where the Equipment Facility is located inside said building would be considered stealth design.