



COMMUNICATION TOWERS: ADDITIONAL REQUIREMENTS

The following table contains additional upload requirements for proposed communication towers. The first check box on the left indicates what is required. The item must be uploaded unless waived by a planner at the pre-application meeting. Complete the checklist by placing a checkmark (✓) in each box to the right of a required item to indicate that it has been uploaded.

Proposed tower location	<ul style="list-style-type: none"> (a) Exact location of the proposed tower on a City of Orlando Official Zoning Map and Global Positioning System (GPS) location (b) Location of proposed tower placed on an aerial photograph possessing a scale of not more than one (1) inch equals three hundred (300) feet, indicating all adjacent land uses within a radius of three thousand (3,000) feet from the property lines of the proposed tower location site (parent tract, not tower lease tract)
Tower height	Proposed maximum height of the tower.
Contact Information for Other Communication Facilities	Names, addresses and telephone numbers of all owners of other towers or antenna support structures within the search area of the proposed new tower site, including city owned property.
Documentation of efforts to use other facilities	<p>Written documentation that the applicant made diligent but unsuccessful efforts for permission to install or co-locate the applicant's telecommunication facilities on:</p> <ul style="list-style-type: none"> (a) All city owned towers or antenna support structures located within the search area of the proposed tower site; and (b) All towers or antenna support structures owned by other persons located within the search area of the proposed tower site.
Search area	A lineation of the search area needed for the coverage or capacity.
Line of sight analysis	<p>A line of sight analysis which contains the following information:</p> <ul style="list-style-type: none"> (a) An identification of significant existing natural and man-made features adjacent to the proposed tower location, to indicate those features that will provide buffering for adjacent properties and public rights-of-ways. (b) A statement as to the potential visual and aesthetic impacts of the proposed tower on all adjacent residential zoning districts. (c) An identification of specific points, measured two thousand (2,000) feet north of the proposed tower, one thousand (1,000) feet south of the proposed tower, and five hundred (500) feet east and west of the proposed tower from which the line of sight analysis is presented or the closest accessible public property from each of the above delineated points. (d) A graphic illustration of the visual impact of the proposed tower, at a scale that does not exceed five degrees of horizontal distance, presented from specific points identified within the line of sight analysis.
Report on tower design	A report shall be submitted, prepared by a licensed professional engineer, which describes the tower height and design, including a cross-section of the structure; through rational engineering analysis demonstrates the tower's compliance with applicable standards set forth in the Florida Building Code; and describes the tower's capacity, including number and type of antennas and dishes it can accommodate.



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Relationship to other existing sites	<p>Information to fully review and evaluate the potential impact of the proposed tower, including:</p> <ul style="list-style-type: none"> (a) The existing cell sites (latitude, longitude, power levels) to which this proposed site will be a handoff candidate (b) An RF plot indicating coverage of existing sites, and that of the proposed site. (c) Antenna heights and power levels of the proposed site. (d) A written affidavit stating why the proposed site is necessary for their communications service (e.g. for coverage, capacity, hole-filling, etc.) and a statement that there are no existing alternative sites within the provided search area, and there are no alternative technologies available which could provide the proposed service enhancement without the tower. City staff will use the service of a registered professional engineer to confirm the statements made in this item.
Co-location	<p>The applicant shall state in the application that it will, as a condition of issuance of the permit, accommodate antenna facilities of other providers on a non-discriminatory basis on terms which are reasonable in the industry unless the applicant can affirmatively demonstrate, based on verifiable objective data, why it cannot do so.</p>
Non-Interference	<p>The applicant shall include a certified statement, prepared by a licensed professional engineer, that the construction and placement of the tower will not unnecessarily interfere with public safety communications and the usual customary transmission or reception of radio and television service enjoyed by adjacent residential and non-residential properties. A statement shall be prepared by a licensed professional engineer identifying any interference that may result from the proposed construction and placement.</p>
Separation Distances	<p>Separation distances shall be calculated and applied irrespective of jurisdictional boundaries. Separation distances shall be measured from the Global Positioning System (GPS) location of existing, approved or proposed communication towers. A location map shall be submitted showing the location of the proposed tower and all other towers within 3,000 feet.</p>