

height-above-average-terrain prescribed in the licensee's land mobile base station authorization.

(h) Licensees using 220-222 MHz spectrum for geophysical telemetry operations are authorized to operate fixed stations on a secondary, non-interference basis to licensees operating in the 220-222 MHz band on a primary basis under the conditions that such licensees:

(1) Provide notification of their operations to co-channel non-nationwide Phase I licensees with an authorized base station, or fixed station transmitting on frequencies in the 220-221 MHz band, located within 45 km of the secondary licensee's station, to co-channel, Phase II EA or Regional licensee authorized to operate in the EA or REAG in which the secondary licensee's station is located, and to co-channel Phase I or Phase II nationwide licensees;

(2) Operate only at temporary locations in accordance with the provisions of §1.931 of this chapter;

(3) Not transmit at a power level greater than one watt ERP;

(4) Not transmit from an antenna higher than 2 meters (6.6 feet) above ground; and

(5) Not operate on Channels 111 through 120, 161 through 170, or 181 through 185.

(i) All licensees constructing and operating base stations or fixed stations on frequencies in the 220-222 MHz band must:

(1) Comply with any rules and international agreements that restrict use of their authorized frequencies, including the provisions of §90.715 relating to U.S./Mexican border areas;

(2) Comply with the provisions of §17.6 of this chapter with regard to antenna structures; and

(3) Comply with the provisions of §§1.1301 through 1.1319 of this chapter with regard to actions that may or will have a significant impact on the quality of the human environment.

[56 FR 19603, Apr. 29, 1991, as amended at 56 FR 32517, July 17, 1991; 57 FR 32450, July 22, 1992; 59 FR 59967, Nov. 21, 1994; 62 FR 15997, Apr. 3, 1996; 62 FR 18936, Apr. 17, 1997; 63 FR 32591, June 12, 1998; 63 FR 68971, Dec. 14, 1998]

§ 90.735 Station identification.

(a) Except for nationwide systems authorized in the 220-222 MHz band, station identification is required pursuant to §90.425 of this part.

(b) Trunked systems shall employ an automatic device to transmit the call sign of the base station at 30 minute intervals. The identification shall be made on the lowest frequency in the base station trunked group assigned to the licensee. If this frequency is in use at the time identification is required, the identification may be made at the termination of the communication in progress on this frequency.

(c) Station identification may be by voice or International Morse Code. If the call sign is transmitted in International Morse Code, it must be at a rate of between 15 to 20 words per minute, and by means of tone modulation of the transmitter, with the tone frequency being between 800 and 1000 hertz.

(d) Digital transmissions may also be identified by digital transmission of the station call sign. A licensee that identifies its station in this manner must provide the Commission, upon its request, information (such as digital codes and algorithms) sufficient to decipher the data transmission to ascertain the call sign transmitted.

[56 FR 19603, Apr. 29, 1991, as amended at 62 FR 15997, Apr. 3, 1997]

§ 90.739 Number of systems authorized in a geographical area.

There is no limit on the number of licenses that may be authorized to a single licensee.

[62 FR 46214, Sept. 2, 1997]

§ 90.741 Urban areas for Phase I nationwide systems.

Licensees of Phase I nationwide systems must construct base stations, or fixed stations transmitting on frequencies in the 220-221 MHz band, in a minimum of 28 of the urban areas listed in the following Table within ten years of initial license grant. A base station, or fixed station, is considered to be within one of the listed urban areas if it is within 60 kilometers (37.3

miles) of the specified coordinates (coordinates are referenced to North American Datum 1983 (NAD83)).

TABLE

Urban area	North latitude	West longitude
New York, New York-Northeastern New Jersey	40°45'06.4"	73°59'37.5"
Los Angeles-Long Beach, California	34°03'15.0"	118°14'31.3"
Chicago, Illinois-Northwestern Indiana	41°52'28.1"	87°38'22.2"
Philadelphia, Pennsylvania/New Jersey	39°56'58.4"	75°09'19.6"
Detroit, Michigan	42°19'48.1"	83°02'56.7"
Boston, Massachusetts	42°21'24.4"	71°03'23.2"
San Francisco-Oakland, California	37°46'38.7"	122°24'43.9"
Washington, DC/Maryland/Virginia	38°53'51.4"	77°00'31.9"
Dallas-Fort Worth, Texas	32°47'09.5"	96°47'38.0"
Houston, Texas	29°45'26.8"	95°21'37.8"
St Louis, Missouri/Illinois	38°37'45.2"	90°12'22.4"
Miami, Florida	25°46'38.4"	80°11'31.2"
Pittsburgh, Pennsylvania	40°26'19.2"	79°59'59.2"
Baltimore, Maryland	39°17'26.4"	76°36'43.9"
Minneapolis-St Paul, Minnesota	44°58'56.9"	93°15'43.8"
Cleveland, Ohio	41°29'51.2"	81°41'49.5"
Atlanta, Georgia	33°45'10.4"	84°23'36.7"
San Diego, California	32°42'53.2"	117°09'24.1"
Denver, Colorado	39°44'58.0"	104°59'23.9"
Seattle-Everett, Washington	47°36'31.4"	122°20'16.5"
Milwaukee, Wisconsin	43°02'19.0"	87°54'15.3"
Tampa, Florida	27°56'59.1"	82°27'24.3"
Cincinnati, Ohio/Kentucky	39°06'07.2"	84°30'34.8"
Kansas City, Missouri/Kansas	39°04'56.0"	94°35'20.8"
Buffalo, New York	42°52'52.2"	78°52'20.1"
Phoenix, Arizona	33°27'12.2"	112°04'30.5"
San Jose, California	37°20'15.8"	121°53'27.8"
Indianapolis, Indiana	39°46'07.2"	86°09'46.0"
New Orleans, Louisiana	29°56'53.7"	90°04'10.3"
Portland, Oregon/Washington	45°31'05.4"	122°40'39.3"
Columbus, Ohio	39°57'47.2"	83°00'16.7"
Hartford, Connecticut	41°46'12.4"	72°40'47.3"
San Antonio, Texas	29°25'37.8"	98°29'07.1"
Rochester, New York	43°09'41.2"	77°36'20.0"
Sacramento, California	38°34'56.7"	121°29'44.8"
Memphis, Tennessee/Arkansas/Mississippi	35°08'46.3"	90°03'13.3"
Louisville, Kentucky/Indiana	38°14'47.3"	85°45'48.9"
Providence-Pawtucket-Warwick, RI/MA	41°49'32.4"	71°24'39.2"
Salt Lake City, Utah	40°45'22.8"	111°53'28.8"
Dayton, Ohio	39°45'32.2"	84°11'42.8"
Birmingham, Alabama	33°31'01.4"	86°48'36.0"
Bridgeport, Connecticut	41°10'49.3"	73°11'20.4"
Norfolk-Portsmouth, Virginia	36°51'10.5"	76°17'19.8"
Albany-Schenectady-Troy, New York	42°39'01.3"	73°44'59.4"
Oklahoma City, Oklahoma	35°28'26.2"	97°31'05.1"
Nashville-Davidson, Tennessee	36°09'33.2"	86°46'55.0"
Toledo, Ohio/Michigan	41°39'14.2"	83°32'38.8"
New Haven, Connecticut	41°18'25.3"	72°55'28.4"
Honolulu, Hawaii	21°18'48.6"	157°51'50.1"
Jacksonville, Florida	30°19'44.9"	81°39'41.3"
Akron, Ohio	41°05'00.2"	81°30'43.4"
Syracuse, New York	43°03'04.2"	76°09'12.7"
Worcester, Massachusetts	42°15'37.3"	71°48'15.3"
Tulsa, Oklahoma	36°09'12.3"	95°59'35.0"
Allentown-Bethlehem-Easton, PA/NJ	40°36'11.4"	75°28'04.7"
Richmond, Virginia	37°32'15.5"	77°26'07.9"
Orlando, Florida	28°32'43.0"	81°22'37.3"
Charlotte, North Carolina	35°13'44.5"	80°50'44.3"
Springfield-Chicopee-Holyoke, MA/CT	42°06'21.3"	72°35'30.3"
Grand Rapids, Michigan	42°58'03.1"	85°40'13.1"
Omaha, Nebraska/Iowa	41°15'42.0"	95°56'15.1"
Youngstown-Warren, Ohio	41°05'57.2"	80°39'01.3"
Greenville, South Carolina	34°50'50.4"	82°24'00.4"
Flint, Michigan	43°00'50.1"	83°41'32.8"
Wilmington, Delaware/New Jersey/Maryland	39°44'46.4"	75°32'49.7"
Raleigh-Durham/North Carolina	35°46'38.5"	78°38'20.0"
West Palm Beach, Florida	26°42'37.2"	80°03'06.1"
Oxnard-Simi Valley-Ventura, California	34°12'00.0"	119°11'03.4"

TABLE—Continued

Urban area	North latitude	West longitude
Fresno, California	36°44'11.8"	119°47'14.5"
Austin, Texas	30°16'09.8"	97°44'38.0"
Tucson, Arizona	32°13'15.3"	110°58'10.3"
Lansing, Michigan	42°44'01.1"	84°33'14.9"
Knoxville, Tennessee	35°57'39.3"	83°55'06.7"
Baton Rouge, Louisiana	30°26'58.7"	91°11'00.4"
El Paso, Texas	31°45'36.4"	106°29'13.0"
Tacoma, Washington	47°14'58.4"	122°26'19.4"
Mobile, Alabama	30°41'36.7"	88°02'33.0"
Harrisburg, Pennsylvania	40°15'43.3"	76°52'57.9"
Albuquerque, New Mexico	35°05'01.2"	106°39'07.1"
Canton, Ohio	40°47'50.2"	81°22'36.4"
Chattanooga, Tennessee/Georgia	35°02'41.3"	85°18'31.8"
Wichita, Kansas	37°41'30.1"	97°20'17.2"
Charleston, South Carolina	32°46'35.6"	79°55'52.3"
San Juan, Puerto Rico	18°27'52.8"	66°06'58.6"
Little Rock-North Little Rock, Arkansas	34°44'42.3"	92°16'37.5"
Las Vegas, Nevada	36°10'19.9"	115°08'40.0"
Columbia, South Carolina	34°00'02.6"	81°01'59.3"
Fort Wayne, Indiana	41°04'21.2"	85°08'25.9"
Bakersfield, California	35°22'30.9"	119°01'19.4"
Davenport-Rock Island-Moline, IA/IL	41°31'00.1"	90°35'00.5"
Shreveport, Louisiana	32°30'46.5"	93°44'58.6"
Des Moines, Iowa	41°35'14.0"	93°37'00.8"
Peoria, Illinois	40°41'42.1"	89°35'33.4"
Newport News-Hampton, Virginia	36°59'30.5"	76°25'58.8"
Jackson, Mississippi	32°17'56.5"	90°11'06.3"
Augusta, Georgia/South Carolina	33°28'20.5"	81°57'59.4"
Spokane, Washington	47°39'31.6"	117°25'36.8"
Corpus Christi, Texas	27°47'52.1"	97°23'46.0"
Madison, Wisconsin	43°04'23.0"	89°22'55.4"
Colorado Springs, Colorado	38°50'07.0"	104°49'17.9"

NOTE: The geographic coordinates are originally from the Department of Commerce publication of 1947: "Air-line Distances Between Cities in the United States" and from data supplied by the National Geodetic Survey and converted to the reference system of North American Datum 1983 using the National Geodetic Survey's NADCON program. The coordinates are determined by using the first city mentioned as the center of the urban area.

[63 FR 68971, Dec. 14, 1998]

§ 90.743 Renewal expectancy.

(a) All licensees seeking renewal of their authorizations at the end of their license term must file a renewal application in accordance with the provisions of § 1.949 of this chapter. Licensees must demonstrate, in their application, that:

(1) They have provided "substantial" service during their past license term. "Substantial" service is defined in this rule as service that is sound, favorable, and substantially above a level of mediocre service that just might minimally warrant renewal; and

(2) They have substantially complied with applicable FCC rules, policies, and the Communications Act of 1934, as amended.

(b) In order to establish its right to a renewal expectancy, a renewal applicant must submit a showing explaining why it should receive a renewal expectancy. At a minimum, this showing must include:

(1) A description of its current service in terms of geographic coverage and population served;

(2) For an EA, Regional, or nationwide licensee, an explanation of its record of expansion, including a timetable of the construction of new stations to meet changes in demand for service;

(3) A description of its investments in its system;

(4) Copies of all FCC orders finding the licensee to have violated the Communications Act or any FCC rule or policy; and

(5) A list of any pending proceedings that relate to any matter described in this paragraph.