

Federal Communications Commission

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nature and extent of engineering facilities that the applicant has available for such purposes.

(b) Expiring developmental authorizations may be renewed only upon the applicant's compliance with the applicable requirements of § 21.406 (a) and (b) relative to the authorization sought to be renewed and upon a factual showing that further progress in the program of research and development requires further radio transmission and that the public interest, convenience or necessity would be served by renewal of such authorization.

[44 FR 60534, Oct. 19, 1979, as amended at 52 FR 37784, Oct. 9, 1987]

§ 21.406 Developmental report required.

(a) Upon completion of the program of research and development, or, in any event, upon the expiration of the instrument of station authorization under which such investigations were permitted, or at such times during the term of the station authorization as the Commission may deem necessary to evaluate the progress of the developmental program, the licensee shall submit, in duplicate, a comprehensive report on the following items, in the order designated:

- (1) Report on the various phases of the project which were investigated.
- (2) Total number of hours of operation on each frequency assigned.
- (3) Copies of any publication on the project.
- (4) A listing of any patents applied for, including copies of any patents issued as a consequence of the activities carried forth under the authorization.
- (5) Detailed analysis of the result obtained.
- (6) Any other pertinent information.

(b) In addition to the information required by paragraph (a) of this section, the developmental report of a station authorized for the development of a proposed radio service shall include comprehensive information on the following items:

- (1) Probable public support and methods of its determination.
- (2) Practicability of service operations.
- (3) Interference encountered.

(4) Pertinent information relative to merits of the proposed service.

(5) Propagation characteristics of frequencies used, particularly with respect to the service objective.

(6) Frequencies believed to be more suitable and reasons therefor.

(7) Type of signals or communications employed in the experimental work.

(c) Normally, developmental reports will be made a part of the Commission's public records. However, an applicant may request that the Commission withhold from the public certain reports and associated material relative to the accomplishments achieved under developmental authorization, and, if it appears that such information should be withheld, the Commission will so direct.

Subparts G—J [Reserved]

Subpart K—Multipoint Distribution Service

§ 21.900 Eligibility.

(a) Authorizations for stations in this service will be granted to existing and proposed communications common carriers and non-common carriers. An application will be granted only in cases where it can be shown that:

- (1) The applicant is legally, financially, technically, and otherwise qualified to render the proposed service; and
- (2) There are frequencies available to enable the applicant to render a satisfactory service; and
- (3) The public interest, convenience and necessity would be served by a grant thereof.

(b) The applicant shall state whether service will be provided initially on a common carrier basis or on a non-common carrier basis. An applicant proposing to provide initially common carrier service shall state whether there is any affiliation or relationship to any intended or likely subscriber or program originator.

[63 FR 65102, Nov. 25, 1998; 64 FR 4054, Jan. 27, 1999, as amended at 64 FR 63731, Nov. 22, 1999]

EFFECTIVE DATE NOTE: At 63 FR 65103, Nov. 25, 1998, § 21.900 was revised. Paragraph (a)(2)

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contains information and recordkeeping requirements and will not become effective until approval has been given by the Office of Management and Budget.

§ 21.901 Frequencies.

(a) Frequencies in the bands 2150–2162 MHz, 2596–2644 MHz, 2650–2656 MHz, 2662–2668 MHz, 2674–2680 MHz and 2686–2690 MHz are available for assignment to fixed stations in this service. Frequencies in the band 2150–2160 MHz are shared with nonbroadcast omnidirectional radio systems licensed under other parts of the Commission’s Rules, and frequencies in the band 2160–2162 MHz are shared with directional radio systems authorized in other common carrier services. Frequencies in the 2596–2644 MHz band are shared with Instructional Television Fixed Service stations licensed under part 74 of the Commission’s Rules. Channels 15, I13, I6 and I14, listed in § 74.939(j) of this chapter, are assigned to fixed stations in the 2596–2620 band, and are shared with Instructional Television Fixed Service Stations licensed under part 74 of the Commission’s Rules to operate in this band; grandfathered channels I21, I29, I22 and I30, listed in § 74.939(j) of this chapter, are licensed under part 21 or part 74 of the Commission’s Rules, as applicable.

(b) Applicants may be assigned a channel(s) according to one of the following frequency plans:

(1) At 2150–2156 MHz (designated as Channel 1), or

(2) At 2156–2162 MHz (designated as Channel 2), or

(3) At 2156–2160 MHz (designated as Channel 2A), or

(4) At 2596–2602 MHz, 2608–2614 MHz, 2620–2626 MHz, and 2632–2638 MHz (designated as Channels E1, E2, E3 and E4, respectively, with the four channels to be designated the E-group channels), and Channels I5 and I13 listed in § 74.939(j) of this chapter,¹ or

(5) At 2602–2608 MHz, 2614–2620 MHz, 2626–2632 MHz and 2638–2644 MHz (designated as Channels F1, F2, F3 and F4, respectively, with the four channels to be designated the F-group channels), and Channels I6 and I14, listed in § 74.939(j) of this chapter,¹ or

(6) At 2650–2656 MHz, 2662–2668 MHz and 2674–2680 MHz (designated as Channels H1, H2 and H3, respectively, with

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the three channels to be designated the H-group channels).¹

(c) Channel 2 will be assigned only where there is evidence that no harmful interference will occur to any authorized point-to-point facility in the 2160–2162 MHz band. Channel 2 may be assigned only if the transmitting antenna of the station is to be located within 16.1 kilometers (10 miles) of the coordinates of the following metropolitan areas:

Principal City	Coordinates
Akron, Ohio	Lat. 41°05’06” N., long. 81°31’06” W.
Albany-Schenectady-Troy, N.Y.	Lat. 42°39’00” N., long. 73°45’24” W.
Anaheim-Santa Ana-Garden Grove, Calif.	Lat. 33°46’30” N., long. 117°54’48” W.
Atlanta, Ga	Lat. 33°45’00” N., long. 84°23’12” W.
Baltimore, Md	Lat. 39°17’18” N., long. 76°37’00” W.
Birmingham, Ala	Lat. 33°30’42” N., long. 86°48’24” W.
Boston, Mass	Lat. 42°21’42” N., long. 71°03’30” W.
Buffalo, N.Y	Lat. 42°53’12” N., long. 78°52’30” W.
Chicago, Ill	Lat. 41°53’00” N., long. 87°37’30” W.
Cincinnati, Ohio	Lat. 39°06’00” N., long. 84°30’48” W.
Cleveland, Ohio	Lat. 41°29’48” N., long. 81°42’00” W.
Columbus, Ohio	Lat. 39°57’42” N., long. 83°00’06” W.
Dallas, Tex	Lat. 32°46’36” N., long. 96°48’42” W.
Dayton, Ohio	Lat. 39°45’24” N., long. 84°11’42” W.
Denver, Colo	Lat. 39°44’24” N., long. 104°59’18” W.
Detroit, Mich	Lat. 42°20’00” N., long. 83°03’00” W.
Fort Worth, Tex	Lat. 32°45’00” N., long. 97°17’42” W.
Gary, Ind	Lat. 41°36’00” N., long. 87°20’00” W.
Hartford, Conn	Lat. 41°46’00” N., long. 72°40’30” W.
Houston, Tex	Lat. 29°45’48” N., long. 95°21’42” W.
Indianapolis, Ind	Lat. 39°46’12” N., long. 86°09’18” W.
Kansas City, Mo	Lat. 39°06’00” N., long. 94°34’42” W.
Los Angeles-Long Beach, Calif.	Lat. 34°03’18” N., long. 118°15’00” W.
Louisville, Ky	Lat. 38°14’48” N., long. 85°45’42” W.
Memphis, Tenn	Lat. 35°07’30” N., long. 90°03’24” W.
Miami, Fla	Lat. 25°46’30” N., long. 80°11’24” W.
Milwaukee, Wis	Lat. 43°02’18” N., long. 87°54’48” W.
Minneapolis-St. Paul, Minn.	Lat. 44°59’00” N., long. 93°15’48” W.
New Orleans, La	Lat. 29°57’48” N., long. 90°03’48” W.
New York City, N.Y.-Newark-Jersey City-Paterson, N.J.	Lat. 40°42’30” N., long. 74°00’00” W.
Norfolk, Va	Lat. 36°50’42” N., long. 76°17’12” W.
Oklahoma City, Okla.	Lat. 35°29’30” N., long. 97°30’12” W.
Philadelphia, Pa	Lat. 39°57’00” N., long. 75°09’48” W.
Phoenix, Ariz	Lat. 33°27’18” N., long. 112°04’24” W.
Pittsburgh, Pa	Lat. 40°26’12” N., long. 80°00’30” W.
Portland, Ore	Lat. 45°32’06” N., long. 122°37’12” W.
Providence, R.I	Lat. 41°49’00” N., long. 71°24’24” W.

¹No 125 kHz channels are provided for Channels E3, E4, F3, F4, H1, H2 and H3, except for those grandfathered for Channels E3, E4, F3 and F4. The 125 kHz channels associated with Channels E3, E4, F3, F4, H1, H2 and H3 are allocated to the Private Operational Fixed Point-to-Point Microwave Service, pursuant to § 101.147(g) of this chapter.