

**Subpart P—Paging Operations**

**§ 90.490 One-way paging operations in the private services.**

(a) Subject to specific prohibition or restriction by rule provisions governing the radio service in which a licensee's radio system is authorized, paging operations are permitted:

(1) Where the signals and messages are transmitted by a control operator of the licensee stationed at a licensed control point in the licensee's system of communication.

(2) Where the signals and messages are transmitted from an operating position within an internal system of communication which meets the tests of §§ 90.471 through 90.475.

(3) Where the signals and messages are transmitted from a dispatch point within the licensee's system of communication, as defined as § 90.7.

(b) Systems employing dial-up circuits (§ 90.461(c)) may be used in one-way paging operations, but only where the paging signals are transmitted as provided at paragraph (a)(1) of this section.

(c) Paging may be initiated directly from telephone positions in the public switched telephone network. When land stations are multiple licensed or otherwise shared by authorized users, arrangements for the telephone service must be made with a duly authorized carrier by users, licensees, or their authorized agents on a non-profit, cost-shared basis. When telephone service costs are shared, at least one licensee participating in the cost sharing arrangements must maintain cost sharing records and the costs must be distributed at least once a year. Licensees, users, or their authorized agents may also make joint use arrangements with a duly authorized carrier and arrange that each licensee or user pay the carrier directly for the licensee's or user's share of the joint use of the shared telephone service. A report of the cost distribution must be placed in the licensee's station records and made available to participants in the sharing arrangement and the Commission upon request. In all cases, arrangements with the duly authorized carrier must

disclose the number of licensees and users and the nature of the use.

[47 FR 39509, Sept. 8, 1982, as amended at 48 FR 56231, Dec. 20, 1983; 52 FR 15501, Apr. 29, 1987]

**§ 90.492 One way paging operations in the 806–824/851–869 MHz and 896–901/935–940 MHz bands.**

Paging operations are permitted in these bands only in accordance with §§ 90.645(e) and (f).

[54 FR 4030, Jan. 27, 1989]

**§ 90.493 Paging operations on exclusive channels in the 929–930 MHz band.**

Paging operations on the exclusive channels in the 929–930 MHz band are subject to the rules set forth in this section.

(a) *Exclusive channels.* The center frequencies of the channels in the 929–930 MHz band that may be assigned on an exclusive basis are as follows: 929.0125, 929.1125, 929.1375, 929.1875, 929.2125, 929.2375, 929.2875, 929.3125, 929.3375, 929.3625, 929.3875, 929.4125, 929.4375, 929.4625, 929.4875, 929.5125, 929.5375, 929.5625, 929.5875, 929.6125, 929.6375, 929.6625, 929.6875, 929.7125, 929.7375, 929.7625, 929.7875, 929.8125, 929.8375, 929.8625, 929.8875, 929.9125, 929.9375, 929.9625, and 929.9875 MHz.

(b) *Part 22 licensing, construction and operation rules apply.* Licensing, construction and operation of paging stations on the exclusive channels in the 929–930 MHz band are subject to the application filing, licensing procedure, auction procedure, construction, operation and notification rules and requirements that are set forth in part 22 of this chapter for paging stations operating in the 931–932 MHz band, instead of procedures elsewhere in this part.

(c) *Part 22 power limits apply; type acceptance required.* Paging operations on the exclusive channels in the 929–930 MHz band are subject to the transmitting power limits set forth in part 22 of this chapter for paging stations operating in the 931–932 MHz band, instead of power limits elsewhere in this part. Transmitters used on the exclusive channels in the 929–930 MHz band must

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be of a type accepted under either part 22 of this chapter or this part (or both). [62 FR 11636, Mar. 12, 1997]

**§ 90.494 Paging operations on shared channels in the 929–930 MHz band.**

(a) This section applies to licensing of paging stations on the shared (non-exclusive) channels in the 929–930 MHz band. The center frequencies of these channels are listed in paragraph (b) of this section.

(b) The following frequencies are available to all eligible part 90 users for one-way paging systems on a shared basis only and will not be assigned for the exclusive use of any licensee.

929.0375	929.1625
929.0625	929.2625
929.0875	

(c) All frequencies listed in this section may be used to provide one-way paging communications to persons eligible for licensing under subpart B or C of this part, representatives of Federal Government agencies, individuals, and foreign governments and their representatives. The provisions of § 90.173(b) apply to all frequencies listed in this section.

(d) Licensees on these frequencies may utilize any type of paging operation desired (tone only, tone-voice, digital, tactile, optical readout, etc.).

(e) There shall be no minimum or maximum loading standards for these frequencies.

(f) The effective radiated power for base stations providing paging service on the shared channels must not exceed 3500 watts.

[58 FR 62291, Nov. 26, 1993, as amended at 59 FR 59966, Nov. 21, 1994; 61 FR 8483, Mar. 5, 1996; 62 FR 11637, Mar. 12, 1997; 62 FR 18934, Apr. 17, 1997; 66 FR 57885, Nov. 19, 2001]

**Subpart Q—Developmental Operation**

**§ 90.501 Scope.**

This subpart supplements part 1, subpart F of this chapter by describing further requirements for the filing of applications for developmental licenses. It includes special requirements related to developmental operation, restrictions on operations, and special reports required when the de-

velopment operation is to seek operational data or techniques directed toward the extension of that service.

[63 FR 68967, Dec. 14, 1998]

**§ 90.503 Eligibility.**

Those persons who are eligible to operate stations in services under this part on a regular basis are also eligible to obtain an authorization for developmental operation in those particular radio services.

**§ 90.505 Showing required.**

(a) Except as provided in paragraph (b) of this section, each application for developmental operation shall be accompanied by a showing that:

- (1) The applicant has an organized plan of development leading to a specific objective;
- (2) The actual transmission by radio is essential to proceed beyond the present stage of the program;
- (3) The program has reasonable promise of substantial contribution to the expansion or extension of the radio art, or is investigating new unexplored concepts in radio transmission and communications;
- (4) The program will be conducted by qualified personnel;
- (5) The applicant is legally and financially qualified, and possesses adequate technical facilities to conduct the proposed program; and
- (6) The public interest, convenience, and necessity will be served by the proposed operation.

(b) The provisions of paragraph (a) of this section do not apply when an application is made for developmental operation solely for the reason that the frequency requested is restricted to such developmental use.

**§ 90.507 Limitations on use.**

Stations used for developmental operation shall conform to all technical and operating requirements of subparts I and N of this part, unless specifically exempted in the instrument of authorization.

**§ 90.509 Frequencies available for assignment.**

Stations engaged in developmental operation may be authorized to use a frequency or frequencies available in