

(b) If an assignment or transfer of control does not involve a substantial change of interests, the provisions of §§ 78.20(c) and 78.22, concerning public notice and objections, shall be waived.

(c) Licensees of CARS stations are not required to submit applications for assignment or transfer of control or otherwise notify the FCC in cases where the change in ownership does not affect the identity or controlling interest of the licensee.

[37 FR 15927, Aug. 8, 1972, as amended at 50 FR 23421, June 4, 1985]

§ 78.36 Frequency coordination.

(a) *12.7–13.25 GHz.* Coordination of fixed and mobile assignments will be in accordance with the procedures set forth below.

(1) Before filing an application for new or modified facilities under this part the applicant must perform a frequency engineering analysis to ensure that the proposed facilities will not cause interference to existing or previously applied for stations in this band of a magnitude greater than that specified below.

(2) The general criteria for determining allowable adjacent or co-channel interference protection to be afforded, regardless of system length or type of modulation, multiplexing or frequency band shall be such that the interfering signal shall not produce more than 1.0 dB degradation of the practical threshold of the protected receiver. The degradation is determined by calculating the ratio in dB between the desired carrier signal and undesired interfering signal (*C/I* ratio) appearing at the input to the receiver under investigation (the victim receiver). The development of the *C/I* ratios from the criteria for maximum allowable interference level per exposure and the methods used to perform path calculations shall follow generally acceptable good engineering practices. Procedures as may be developed by the Electronics Industries Association (EIA), the Institute of Electrical and Electronics Engineers, Inc. (IEEE), the American National Standards Institute (ANSI) or any other recognized authority will be acceptable to the Commission.

(3) Where the development of the carrier to interference ratio (*C/I*) is not

covered by generally acceptable procedures or where the applicant does not wish to develop the carrier to interference ratio, the applicant shall employ the following *C/I* protection ratios:

(i) Co-channel interference: For both sideband and carrier-beat, (applicable to all bands) the previously authorized system shall be afforded a carrier to interfering signal protection ratio of at least 90 dB.

(ii) Adjacent channel interference: The existing or previously authorized system shall be afforded a carrier to interfering signal protection ratio of at least 56 dB.

(b) *6425–6525 MHz and 17.7–19.7 GHz.* Coordination of fixed and mobile assignments will be in accordance with the procedure established in § 101.103(d) of this chapter, except that the prior coordination process for mobile (temporary fixed) assignments may be completed orally and the period allowed for response to a coordination notification may be less than 30 days if the parties agree.

[48 FR 50736, Nov. 3, 1983, as amended at 52 FR 7144, Mar. 9, 1987; 65 FR 38326, June 20, 2000; 65 FR 54173, Sept. 7, 2000]

EFFECTIVE DATE NOTE: At 65 FR 54173, Sept. 7, 2000, § 78.36 was amended by revising paragraph (b), effective Oct. 10, 2000. For the convenience of the user, the superseded text is set forth as follows:

§ 78.36 Frequency coordination.

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(b) *6425–6525 MHz and 17.7–19.7 GHz.* Coordination of fixed and mobile assignments will be in accordance with the procedure established in § 101.103(d), *except* that the prior coordination process for mobile (temporary fixed) assignments may be completed orally and the period allowed for response to a coordination notification may be less than 30 days if the parties agree.

§ 78.40 Transition of the 1990–2025 MHz band from the Cable Television Relay Service to emerging technologies.

(a) Licensees proposing to implement Mobile-Satellite Services using emerging technologies (MSS Licensees) may negotiate with Cable Television Relay Service licensees (Existing Licensees)

in the 1990–2110 MHz band for the purpose of agreeing to terms under which the Existing Licensees would relocate their operations to the 2025–2110 MHz band, to other authorized bands, or to other media; or alternatively, would accept a sharing arrangement with the MSS Licensee that may result in an otherwise impermissible level of interference to the Existing Licensee's operations.

(b) Existing Licensees in the 1990–2025 MHz band allocated for licensed emerging technology services will maintain primary status in these bands until an MSS Licensee completes relocation of the Existing Licensee's operations.

(c) The Commission will amend the operating license of the Existing Licensee to secondary status only if the following requirements are met:

(1) The service applicant, provider, licensee, or representative using an emerging technology guarantees payment of all relocation costs, including all engineering, equipment, site and FCC fees, as well as any reasonable additional costs that the relocated Existing Licensee might incur as a result of operation in another authorized band or migration to another medium;

(2) The MSS Licensee completes all activities necessary for implementing the replacement facilities, including engineering and cost analysis of the relocation procedure and, if radio facilities are used, identifying and obtaining, on the incumbents' behalf, new microwave or Local Television Transmission frequencies and frequency coordination; and

(3) The MSS Licensee builds the replacement system and tests it for comparability with the existing system.

(d) The Existing Licensee is not required to relocate until the alternative facilities are available to it for a reasonable time to make adjustments, determine comparability, and ensure a seamless handoff.

(e) If within one year after the relocation to new facilities the Existing Licensee demonstrates that the new facilities are not comparable to the former facilities, the MSS Licensee must remedy the defect.

(f) Subject to the terms of this paragraph (f), Phase I of the relocation of

Existing Licensees will be carried out in the following manner:

(1) Beginning September 6, 2000, Existing Licensees and MSS Licensees may negotiate individually or collectively for relocation of Existing Licensees to one of the channel plans specified in § 74.602(a)(3) of this chapter. Parties may not decline to negotiate, though Existing Licensees may decline to be relocated. MSS Licensees must relocate all Existing Licensees in Nielsen Designated Market Areas 1–30 prior to beginning operations, except those Existing Licensees that decline relocation. If the parties are unable to reach a negotiated agreement, MSS Licensees may involuntarily relocate Existing Licensees after two years. As of the date that any MSS Licensee announces the beginning of operations in the 1990–2008 MHz band, licensees who are not on the new channel plan specified in § 74.602(a)(3) of this chapter must discontinue use of Channel A01 (1990–2008 MHz).

(2) Before negotiating with MSS Licensees, Existing Licensees in Nielsen Designated Market Areas where there is a BAS frequency coordinator must coordinate and select a band plan for the market area. Thereafter, all negotiations must produce solutions that adhere to the market area's band plan.

(3) After the date the first MSS Licensee begins operations, MSS Licensees must relocate Existing Licensees in Nielsen Designated Market Areas 31–100 within three years, unless any Existing Licensee declines relocation.

(4) Beginning on the date any MSS Licensee announces in writing to Existing Licensees its intention to begin operations in the 2008–2025 MHz band, Existing Licensees and MSS Licensees may negotiate individually or collectively for relocation of Existing Licensees to one of the channel plans specified in § 74.602(a)(4) of this chapter. MSS Licensees must relocate all Existing Licensees in Nielsen Designated Market Areas 1–30 prior to beginning operations, except those Existing Licensees that decline relocation. If the parties are unable to reach a negotiated agreement, MSS Licensees may involuntarily relocate Existing Licensees after two years. As of the date that

any MSS Licensee announces its intention to begin operations in the 2008–2025 MHz band, licensees who are not on the new channel plan specified in § 74.602(a)(4) of this chapter must discontinue use of Channel A01 (2008–2023 MHz).

(5) After the date the first MSS Licensee begins operations in the 2008–2025 MHz band, MSS Licensees must relocate Existing Licensees in the remaining Nielsen Designated Market Areas within three years.

(6) Ten years after the date specified in paragraph (f)(1) of this section, all Existing Licensees will become secondary in the 1990–2025 MHz band. Upon written demand by any MSS Licensee, Existing Licensees must cease all operations in the 1990–2025 MHz band within six months.

[65 FR 48181, Aug. 7, 2000]

Subpart C—General Operating Requirements

§ 78.51 Remote control operation.

(a) A CARS station may be operated by remote control: *Provided*, That such operation is conducted in accordance with the conditions listed below: *And provided further*, That the Commission, in Washington, DC, is notified at least 10 days prior to the beginning of such operation and that such notification is accompanied by a detailed description showing the manner of compliance with the following conditions:

(1) The transmitter and associated control system shall be installed and protected in a manner designed to prevent tampering or operation by unauthorized persons.

(2) An operator shall be on duty at the remote control position and in actual charge thereof at all times when the station is in operation.

(3) Facilities shall be provided at the control position which will permit the operator to turn the transmitter on and off at will. The control position shall also be equipped with suitable devices for observing the overall characteristics of the transmissions and a carrier operated device which will give a continuous visual indication whenever the transmitting antenna is radiating a signal. The transmitting appa-

ratus shall be inspected as often as may be necessary to insure proper operation.

(4) The control circuits shall be so designed and installed that short circuits, open circuits, other line faults, or any other cause which would result in loss of control of the transmitter will automatically cause the transmitter to cease radiating.

(b) An application for authority to construct a new station or to make changes in the facilities of an existing station and which proposes operation by remote control shall include an adequate showing of the manner of compliance with the requirements of this section.

(c) The Commission may notify the licensee not to commence remote control operation, or to cancel, suspend, or change the date of the beginning of such operation as and when such action may appear to be in the public interest, convenience, or necessity.

[37 FR 3292, Feb. 12, 1972, as amended at 41 FR 29695, July 19, 1976; 49 FR 20671, May 16, 1984; 50 FR 23421, June 4, 1985]

§ 78.53 Unattended operation.

(a) A CARS station may be operated unattended: *Provided*, That such operation is conducted in accordance with the conditions listed below: *And provided further*, That the Commission, in Washington, DC, is notified at least 10 days prior to the beginning of unattended operation if such operation is not indicated on the station authorization.

(1) The transmitter and associated control circuits shall be installed and protected in a manner designed to prevent tampering or operation by unauthorized persons.

(2) If the transmitting apparatus is located at a site which is not readily accessible at all hours and in all seasons, means shall be provided for turning the transmitter on and off at will from a location which can be reached promptly at all hours and in all seasons.

(3) Personnel responsible for the maintenance of the station shall be available on call at a location which will assure expeditious performance of such technical servicing and maintenance as may be necessary whenever