

RULES AND REGULATIONS

Part 85

*Public Fixed Stations and
Stations of the Maritime
Services in Alaska*

JULY 1964

FEDERAL COMMUNICATIONS COMMISSION



NOTE: Part 14 was redesignated as Part 85 by Order adopted December 13, 1963, effective December 21, 1963. Section numbers were not otherwise changed.

Contents—Part 85

- Sec.
85.1 Basis and purpose.

Subpart A—Definition of Terms

- 85.2 General definitions.
85.3 Geographic definitions.
85.4 Definitions in other parts applicable.

Subpart B—Applications

- 85.21 Authorization required for operation of a radio station.
85.22 Application precedent to authorization.
85.23 One application for fixed and coast station.
85.24 Affirmative showing of need for service.
85.25 Rules in other parts applicable.

Subpart C—Station Authorization

- 85.61 License term.
85.62 One authorization for fixed and coast stations.
85.63 Dispatch points.
85.64 Discontinuance of operation of a station on land.
85.65 Rules in other parts applicable.

Subpart D—Station and Operating Requirements

- 85.101 Priority of distress and other signals.
85.102 Practices concerning transmission of public correspondence.
85.103 Hours of service of fixed stations.
85.104 Coast station facilities for 2182 kc/s.
85.105 Fixed and coast station operating arrangements.
85.106 Documents required for fixed stations.
85.107 Documents required for coast stations.
85.108 Documents required for ship stations.
85.109 Fixed and coast station records.
85.110 Ship station records.
85.111 Coast station communication.
85.112 Coast station working frequency required.
85.113 Suspension of coast station watch.
85.114 Use of developmental fixed stations.
85.115 Rules in other parts applicable.

Subpart E—Standard Technical Requirements

- Sec.
85.151 Authorized frequency tolerance.
85.152 Authorized classes of emission.
85.153 Transmitter power.
85.154 Modulation limiter for fixed and coast stations.
85.155 Rules in other parts applicable.
85.156 Acceptance of transmitters for licensing in the fixed service.

Subpart F—Assignment and Use of Fixed Service Frequencies

- 85.201 Cooperative use of frequency assignments.
85.202 Protection of government services.
85.203 Alternate transmission on same radio-channel.
85.204 Frequencies available in all zones.
85.205 Frequencies available in particular zones.
85.206 Frequencies for communication with ACS.
85.207 Use of United States Government frequencies.
85.208 Rules in other parts applicable.

Subpart G—Assignment and Use of Maritime Service Frequencies

- 85.251 Cooperative use of frequency assignments.
85.252 Protection of Government services.
85.253 Alternate transmission on the same frequency.
85.254 Frequencies to be used for distress signals.
85.255 Ship station frequencies for use in all zones for telegraphy only.
85.256 Coast station frequencies for use in all zones for telegraphy only.
85.257 Safety frequencies for ship and coast stations in all zones using telephony.
85.258 Frequencies for intership communication in all zones by telephony.
85.259 Frequencies for ship-shore and ship to ship communication by telegraphy or telephony in all zones.
85.260 Frequencies in the band 1605-3400 kc/s for ship-shore public telephone service in all zones.
85.264 Frequencies available in particular zones.
85.265 Rules in other parts applicable.

AUTHORITY: §§ 85.1 to 85.265 issued under 48 Stat. 1066, 1082, as amended; 47 U.S.C. 154, 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. Sub-chap. I, III-VI.

[Note deleted as obsolete; IV(64)-8]

§ 85.1 Basis and purpose.

(a) The basis for the rules following in this part is the Communications Act of 1934, as amended, and applicable treaties and agreements to which the United States is a party. The rules in this part are issued pursuant to the authority contained in the Communications Act of 1934, as amended, which vests authority in the Federal Communications Commission to regulate radio transmissions, to issue licenses for radio stations, and to regulate common carriers of interstate and foreign communication.

(b) The purpose of the rules and regulations in this part is to prescribe the manner in which frequencies may be made available for radio-communication, including public correspondence, in the maritime mobile service for Alaska and between fixed points on land within Alaska.

SUBPART A—DEFINITION OF TERMS

§ 85.2 General definitions.

(a) *Alaska Communication System or ACS.* The telecommunication system within Alaska and between Alaska and other areas which is operated by the United States Army Signal Corps.

(b) *Public correspondence.* Any telecommunication which the offices and stations must, by reason of their being at the disposal of the public, accept for transmission.

(c) *Fixed service.* A service of radiocommunication between specified fixed points.

(d) *Fixed station.* A station in the fixed service.

(e) *Alaska-public fixed station.* A fixed station in Alaska, which is open to public correspondence and is licensed by the Commission for radio-communication between specified fixed points in Alaska exclusively.

(f) *Developmental fixed station.* A fixed station operated for the express purpose of developing equipment or a technique solely for use only in that portion of the non-government fixed service which has been specifically allocated the authorized frequency (or frequencies) of the developmental fixed station.

(g) *Point of communication.* This term, when applied to an Alaska-public fixed station, means a specified fixed station or specified geographic location with which such station is authorized to communicate.

(h) *Harmful interference.* Any emission, radiation, or induction which endangers the functioning of a radionavigation service or of other safety services, or seriously degrades, obstructs, or repeatedly interrupts a radiocommunication service operating in accordance with regulations of this chapter.

(i) *“Common carrier” or “carrier”.* “Common carrier” or “carrier” means any person engaged as a common carrier for hire, in interstate or foreign communication by wire or radio or in interstate or foreign radio transmission of energy, except where reference is made to common carriers not subject to the Com-

munications Act of 1934, as amended; but a person engaged in radio broadcasting shall not, insofar as such person is so engaged, be deemed a common carrier.

§ 85.3 Geographic definitions.

(a) *Alaska area.* For the purpose of frequency assignments to radio services and stations governed by this part, the Alaska Area is defined as follows:

The area bounded by a line extending due west—from the end of the southernmost boundary line between Canada and the mainland of southeastern Alaska—to 131 degrees west longitude, thence due south to 54 degrees and 30 minutes north latitude, thence due west to 142 degrees west longitude, thence due south to 50 degrees north latitude, thence due west to 165 degrees west longitude, thence due south to 47 degrees north latitude, thence due west to the boundary line between Regions 2 and 3 (as this line is defined by the Geneva Radio Regulations, 1939), thence generally northward along this boundary line to 80 degrees north latitude, thence due east to 135 degrees west longitude, thence due south to 70 degrees north latitude, thence due west to 140 degrees west longitude, thence generally southwest to the northern end of the boundary line between the mainland of northern Alaska and Canada, thence following the boundary line between Alaska and Canada to the southernmost point of this line in southeastern Alaska.

NOTE: Reference hereafter in this part to the “Alaska area” includes all of the “Zones” defined in paragraph (b) of this section.

(b) *Alaska zones.* For the same purpose expressed in paragraph (a) of this section, the Alaska area is subdivided into six zones, defined as follows:

Zone 1. That portion of the Alaska area east of 142 degrees west longitude and south of 61 degrees north latitude.

Zone 2. That portion of the Alaska area bounded on the east by a line south of 61 degrees north latitude which coincides with 142 degrees west longitude, and by a line north of 61 degrees north latitude which coincides with the boundary line between Alaska and Canada, and by a line coinciding with 61 degrees north latitude which joins those two lines; and bounded on the west by a line south of 62 degrees north latitude which coincides with 149 degrees west longitude, thence running due south to 60 degrees and 30 minutes north latitude, thence due west to 150 degrees west longitude, thence due south to the southern limit of the Alaska area, and bounded on the north by a line coinciding with 62 degrees north latitude.

Zone 3. That portion of the Alaska area bounded on the north by a line which coincides with 62 degrees north latitude and extends eastward from 155 degrees west longitude to 149 degrees west longitude, thence due south to 60 degrees and 30 minutes north latitude, thence due west to 150 degrees west longitude, thence due south to the southern limit of the Alaska area, thence westward to 155 degrees west longitude, thence due north to 62 degrees north latitude.

Zone 4. That portion of the Alaska area west of 155 degrees west longitude which is bounded on the north by a line coinciding with 62 degrees north latitude extending due west to 164 degrees west longitude, thence bounded on the west by a line coinciding with 164 degrees west longitude extending due south to 58 degrees north latitude, thence bounded on the north by a line coinciding with 58 degrees north latitude extending due west to the western boundary of the Alaska area.

Zone 5. That portion of the Alaska area west of 155 degrees west longitude which is not included in Zone 4.

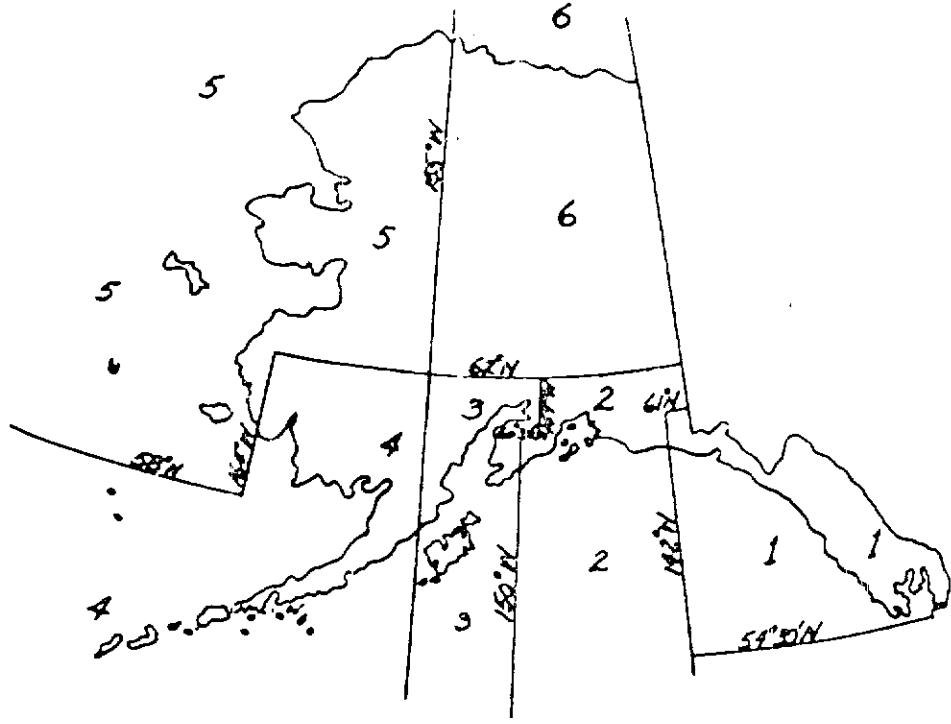
Zone 6. That portion of the Alaska area east of 155 degrees west longitude and north of 62 degrees north latitude.

§ 85.4 Definitions in other parts applicable.

(a) The definitions set forth in the rules and regulations governing stations in the maritime services (Subpart A of Parts 81 and 83 of this chapter) shall apply to stations of these services in the Alaska area so far as they are consistent with this part.

(b) The definitions set forth in the following sections of Subpart A of Part 81 of this chapter shall apply to stations of the fixed service subject to this part: §§ 81.2(a) to and including 81.2(h), 81.2(j), 81.5(c), 81.7(a) to and including 81.7(h), 81.7(j), 81.7(m), 81.7(n), 81.8, 81.139, and 81.188.

【§ 85.4(b) amended eff. 6-5-67; IV(64)-9】



ALASKA
Frequency Assignment Zones

SUBPART B—APPLICATIONS**§ 85.21 Authorization required for operation of a radio station.**

(a) Any radio station required by the Communications Act to be licensed shall not be operated in any service regulated by this part except under and in accordance with a valid station authorization granted by the Commission. Further, the operation of such apparatus shall be conducted in conformity with the provisions of statute, international treaty or agreement, and the rules of the Commission relative to the licensing of operators.

NOTE: The Commission has exempted certain low power radio devices from its general licensing requirements; the extent of this exemption and related matters are set forth in Part 15, "Radio Frequency Devices", of this chapter. Licensing procedures and exemptions applicable to radio apparatus used for medical purposes, industrial heating, and other miscellaneous purposes not involving radiocommunication are set forth in Part 18, "Industrial, Scientific, and Medical Equipment", of this chapter.

(b) No license shall be issued by the Commission for the operation of any station on land subject to this part for which a permit for construction is required unless such permit has first been granted by the Commission upon written application therefor: *Provided*, That when applications for related construction permit and station license are filed under and in accordance with the provisions of § 81.39(a)(2) of this chapter, a construction permit and station license for a fixed or coast station subject to this part may be granted at the same time.

§ 85.22 Application precedent to authorization.

(a) Except as otherwise provided in §§ 81.26 and 81.41 of this chapter in respect to stations on land (including Alaska-public fixed stations), and in §§ 83.26, 83.41, and 83.42 of this chapter in respect to radio stations on board ship, no authorization will be granted for use or operation of any radio station subject to this part unless formal written application therefor in proper form first is filed with the Commis-

sion. Except as otherwise permitted by § 85.23 or by applicable rules in Parts 81 and 83 of this chapter (including such rule sections applicable to Alaska-public fixed stations as are designated in § 85.24), a separate application shall be filed in respect to each station and service subject to this part. Except as otherwise provided in §§ 81.32, 81.36, and 81.41 of this chapter in respect to stations on land (including Alaska-public fixed stations), and in §§ 83.35, 83.41, and 83.42 of this chapter in respect to radio stations on board ship, an application in writing should be filed at least 60 days prior to the earliest date on which it is desired that the requested authorization (or change in authorization) be granted by the Commission in order that action thereon may be taken by that date. Each application shall be specific and complete with regard to the information requested in the application form or otherwise specifically requested by the Commission.

(b) All applications, except those for renewal of station license, for authority to establish or operate stations (other than ship stations) in the Alaska area subject to this part, including correspondence relating thereto, shall be filed in triplicate with the Commission's Engineer in Charge at Seattle, Washington. The provision of this paragraph shall apply to each application for construction permit, license, or modification of construction permit or license.

(c) All applications for renewal of station license (when continued operation without change is desired) shall be filed with the Commission.

(d) All applications for authority to operate ship stations, including correspondence relating thereto, shall be filed with the Commission, or with respect to applications for interim ship station licenses made pursuant to § 83.35 of this chapter, at a Field Engineering Office of the Commission. Unless otherwise specified in a particular case or for a particular form, each application shall be filed in original only. The provisions of this paragraph shall apply to each application for license, modification of license, or renewal of license.

(e) An application by a corporation for a construction permit for an Alaska-public fixed station or a public coast station proposing to establish common carrier radio facilities must (unless previously filed with the Commission) be accompanied by a copy of the applicant's charter, acts of incorporation, or articles of incorporation certified by the Secretary of the State of the place of incorporation, or certified otherwise by an appropriate public official.

(f) With reference to the provisions of § 81.25 of this chapter, applications for station authorizations submitted from any location in Alaska may be signed by the attorney for the applicant in case of (1) physical disability of the applicant or (2) absence of the applicant from Alaska.

NOTE: Standard forms are prescribed in applicable rule sections of Parts 81 and 83 of this chapter for use in connection with the majority of applications submitted for Commission consideration under the provisions of this part. These forms

may be obtained without cost from the Commission at Washington, D.C. 20554, or from any of its engineering field offices.

【§ 85.22 amended in IV(64)-6; (a) amended eff. 8-1-66; IV(64)-7】

§ 85.23 One application for fixed and coast station.

(a) In addition to the provisions of § 81.40(a)(3), (4) and (h) of this chapter, one application may be submitted by the same applicant to cover an Alaska-public fixed station and a public coast station at the same location in the Alaska area in the following categories:

- (1) Application for construction permit;
- (2) Application for license;
- (3) Application for modification of construction permit or license when the desired modification will apply similarly to both classes of station;
- (4) Application for renewal of license.

(b) The provisions of paragraph (a) of this section shall apply on condition that the respective fixed and coast stations covered by each application are clearly identified therein and all of the required information in respect to each class of station is included therein.

§ 85.24 Affirmative showing of need for service.

Only one Alaska-public fixed or public coast station will be authorized to serve any area whose point-to-point or ship-shore communication needs can be adequately served by a single radio-communication facility, either Government (ACS) or non-Government.

§ 85.25 Rules in other parts applicable.

(a) The rules relating to applications set forth in the rules and regulations governing stations in the maritime services (Subparts B of Parts 81 and 83 of this chapter) shall apply to stations of these services in the Alaska area so far as they are consistent with this part.

(b) So far as they are consistent with this part, the following rule sections contained in Subpart B of Part 81 of this chapter shall apply to stations of the fixed service subject to this part: §§ 81.23, 81.25 to and including 81.37, 81.39(a), 81.40(a) (3), (4) and (b), 81.41 to and including 81.45, 81.47 and 81.48.

SUPPART C—STATION AUTHORIZATION

§ 85.61 License term.

(a) Licenses for Alaska-public fixed stations and stations in the maritime services in Alaska are normally issued to expire at 3:00 a.m., e.s.t., five years from date of grant.

(b) Licenses for stations engaged in developmental operation will be issued on a temporary basis for a specific period of time, but in no event to extend beyond one year from date of grant.

§ 85.62 One authorization for fixed and coast stations.

(a) Unless otherwise determined by the Commission, one construction permit or one station license may be issued to authorize the construction, or use and

operation, respectively, of an Alaska-public fixed station and a public coast station in the Alaska area when—

(1) The licensee or permittee of each class of station is the same;

(2) The location of each class of station is identical;

(3) The conditions which establish and maintain control of each class of station by the permittee or the station licensee are the same.

(b) Whenever a single station authorization is issued in accordance with paragraph (a) of this section, distinction will be shown in each such document as may be necessary in respect to the details of authorization for each service and each class of station except as these may be otherwise established by applicable rules and regulations of the Commission. Unless the station authorization provides otherwise, the same radio transmitting apparatus may be used for both fixed service and maritime mobile service whenever it is capable, by reason of frequency tuning range, technical adjustment, power, frequency stability, emission, etc., of being so used.

§ 85.63 Dispatch points.

Any dispatch point in connection with an Alaska-public fixed station or a coast station in the Alaska area may be installed and used without obtaining any authorization from the Commission: *Provided*, That information relative to the location of each regularly used dispatch point, which is not located at an authorized control point and is located more than 500 feet from the authorized radio transmitting apparatus, shall be submitted by the station licensee to the Commission for record purposes at the earliest practicable date after such dispatch point is established.

NOTE: The term "dispatch point" is defined in § 81.7(n) of this chapter.

§ 85.64 Discontinuance of operation of a station on land.

(a) When the operation of a station on land in the Alaska area subject to this part, or Part 81 of this chapter, is permanently discontinued, the licensee shall, as soon as practicable, notify the Commission's Engineer in Charge at Anchorage, Alaska.

(b) If the station license covers authorization only for the particular station whose operation has been permanently discontinued, the licensee shall, without undue delay, forward the station license to the Commission's Engineer in Charge at Seattle, Washington, for cancellation by the Commission at its Washington, D.C., office.

(c) If the station license also covers authorization for a different class of station at the same location whose operation is not being permanently discontinued, the licensee shall, without undue delay, file with the Commission's Engineer in Charge at Seattle, Washington, a formal application for appropriate modification of license.

(d) With respect to stations on land in the Alaska area, including Alaska public fixed stations, the pro-

visions of this section shall apply in lieu of § 81.76 of this chapter.

§ 85.65 Rules in other parts applicable.

(a) The rules relating to station authorization set forth in the rules and regulations governing stations in the maritime services (Subpart C of Parts 81 and 83 of this chapter) shall, except paragraphs (b) and (c) of § 81.72 and subparagraphs (1) and (2) of § 81.63(b), apply to stations of these services in the Alaska area so far as they are consistent with this part.

(b) So far as they are consistent with this part, the following rule sections contained in Subpart C of Part 81 of this chapter shall apply to stations of the fixed service subject to this part: §§ 81.61, 81.62, 81.64, 81.69, 81.70, 81.71 (a) and (b) and 81.73. Section 81.63, except subparagraphs (1) and (2) of paragraph (b), shall apply to stations of the fixed service subject to this part.

SUBPART D—STATION AND OPERATING REQUIREMENTS

§ 85.101 Priority of distress and other signals.

(a) Stations operating in the fixed service or the maritime mobile service in the Alaska area shall, at all times, give absolute priority to radio communications or signals relating to any ship or aircraft in distress. When any distress signal or communication is anticipated or intercepted by any station, it shall cease all transmission on any frequency or frequencies which may interfere with any station hearing such radio communication or signal of distress except when engaged in answering or aiding the ship or aircraft in distress, and shall assist the vessel or aircraft in distress, so far as possible, by complying with its instructions.

(b) Stations of the maritime mobile service shall observe priority of communications in accordance with the requirements of §§ 81.180, 81.181, 83.176, and 83.177 of this chapter. Alaska public fixed stations, when operating on an authorized carrier frequency which is used also by the maritime mobile service, shall, at all times, give priority on such frequency to distress signals or communications as set forth in paragraph (a) of this section, and to urgency or safety signals, or any communication preceded by one of these signals.

NOTE: The types of signals to which reference is made in § 85.101 are defined in §§ 81.7 (d), (f), and (g); 81.188; 83.234; 83.245; 83.247; and 83.249 of this chapter.

§ 85.102 Practices concerning transmission of public correspondence.

(a) Pending Commission implementation of the tariff filing requirements of section 203 of the Communications Act and Part 61 of this chapter with respect to common carriers in Alaska, any charges made by an Alaskan public fixed station, or any public coast station or public ship station in the Alaska area, for interstate or foreign communication service, should conform to the applicable regulations and tariffs issued

by the Alaska Communication System. Information regarding charges of any such station or any changes therein should be furnished promptly to the Tariff Manager of the Alaska Communication System, Seattle, Washington.

(b) Except in event of an emergency concerning the immediate safety of life or property, no Alaska-public fixed station, public ship station, or public coast station in the Alaska area shall transmit any communication in behalf of any person other than the licensee to any other station licensed by the Commission under circumstances wherein such telecommunication can be transmitted effectively by, or to, readily available facilities of the Alaska Communication System which are open to public correspondence and are capable of effectively forwarding (via connecting facilities if and when required) such telecommunication to the designated recipient.

§ 85.103 Hours of service of fixed stations.

(a) The hours of service of each Alaska-public fixed station shall, within the scope of its normal operations, be such as to adequately meet the requirements of the particular region served by the station and, unless otherwise specified by the Commission for individual stations, shall be determined by the station licensee subject to such applicable conditions and limitations as are imposed by the rules of the Commission.

(b) Each Alaska-public fixed station whose hours of service are not continuous shall not suspend operation before having concluded, when possible within the scope of its normal operations, all communications of an emergency nature.

(c) The Commission, as public interest, convenience, or necessity requires, may order, at any time, the licensee of an Alaska-public fixed station not authorized for continuous hours of service to increase the hours of service of such station as may, in the discretion of the Commission, be required to provide adequate public service: *Provided*. That such requirement shall not be prescribed without the consent of the station licensee unless, after hearing, the Commission shall determine

that such requirement will promote public convenience or interest or will serve public necessity, or the provisions of the Communications Act will be more fully complied with.

NOTE: The hours of service of public coast stations and ship stations are regulated by §§ 81.186 and 83.183 of this chapter.

§ 85.104 Coast station facilities for 2182 kc/s.

Each public coast station in the Alaska area licensed to transmit by telephony on any frequency in the band 1605 to 3500 kc/s shall be capable of transmitting A3 or A3H emission (and shall be licensed to transmit) and receiving A3 emission on the frequency 2182 kc/s with a carrier power not less than the maximum carrier power which it is capable of using for transmission by telephony on any other authorized carrier frequency in this band; except that in any event the required carrier power on 2182 kc/s need not be more than 100 watts for A3 emission and 50 watts for A3H emission.

§ 85.105 Fixed and coast station operating arrangements.

(a) The requirements of § 81.106 (a), (b), (c), (d), and (e) (2) of this chapter, applicable to coast stations and providing for certain operating controls to expedite communication and conserve the use of frequencies, shall apply to Alaska-public fixed stations and coast stations subject to this part.

(b) The requirements of § 81.106 (e) (1), (f), (g), and (h) of this chapter concerning certain operating controls shall apply to coast stations subject to this part.

(c) The radio equipment of each station subject to this part must be capable of permitting reception of the class or classes of emission on the frequency or frequencies used in accordance with the provisions of this part for the service carried on by the particular station. The technical arrangement of the station apparatus shall be such that the necessary reception of emission can be readily effected prior to the transmission of any signals or communications by the station.

§ 85.106 Documents required for fixed stations.

(a) Each Alaska public fixed station shall be provided with the following documents:

(1) A valid station license, available in accordance with the provisions of § 81.102 (a) and (b) of this chapter;

(2) The necessary operator license(s), available in accordance with § 81.159 of this chapter;

(3) The station log as designated in § 85.109;

(4) This part and Part 81 of this chapter.

(b) These documents shall be continuously and readily available to the licensed operator on duty during the hours of service of the station.

【§ 85.106(a)(2) amended eff. 11-3-67; IV(64)-10】

§ 85.107 Documents required for coast stations.

(a) Each public coast station in the Alaska area using telegraphy shall be provided with this part and the documents prescribed in § 81.213(a) of this chapter: *Provided*, That in public coast stations authorized to use telegraphy on frequencies solely within the band 1605-5000 kc/s, the following documents may be substituted in lieu of the documents specified by paragraph (a) (4) and (5) of § 81.213 of this chapter:

(1) A complete list of coast stations (including call signs) located in the Alaska area (including coast stations of the ACS), open to public correspondence, and authorized to transmit on frequencies within the band 1605-5000 kc/s;

(2) A list, as complete as is practicable, of ship stations (including call signs) known to operate regularly in the Alaska area and authorized to transmit on frequencies within the band 1605-5000 kc/s.

(b) Each limited coast station in the Alaska area authorized to use telegraphy on a frequency or frequencies below 30 Mc/s shall be provided with this part and the documents prescribed in § 81.213(b) of this chapter.

(c) Each public coast station in the Alaska area using telephony shall be provided with this part and the documents prescribed in § 81.313 of this chapter.

(d) Each limited coast station in the Alaska area

using telephony on any authorized frequency, and/or authorized to use telegraphy on frequencies solely above 30 Mc/s, shall be provided with this part and with the documents prescribed in § 81.369 of this chapter.

(e) The documents prescribed in this section shall be continuously and readily available to the licensed operator on duty during the hours of service of the station.

§ 85.108 Documents required for ship stations.

(a) Each ship station in the Alaska area using telegraphy shall be provided with this part and the documents listed in § 83.329 of this chapter; except that in any ship station using telegraphy and located on board a vessel not compulsorily fitted with a radiotelegraph installation while in the Alaska area or while engaged on voyages solely between Alaska and other places on the Pacific seaboard of the continental United States or Canada, the following documents may be substituted in lieu of those specified in paragraph (a) (4), (5), and (6) of § 83.329 of this chapter if the ship station uses telegraphy on frequencies solely within the band 1605-5000 kc/s:

(1) A complete list of coast stations (including call signs) which are authorized to transmit on frequencies within the band 1605-5000 kc/s, which are open to public correspondence, or which maintain watch on 2182 kc/s or 2091 kc/s and are located in the Alaska area (including coast stations of ACS) and on the Pacific seaboard of the continental United States and Canada;

(2) A list, as complete as is practicable, of ship stations (including call signs) known to operate regularly in the Alaska area and/or on voyages between Alaska and other places on the Pacific seaboard of the continental United States or Canada, and authorized to transmit on frequencies within the band 1605-5000 kc/s.

(b) Each ship station in the Alaska area using telephony only (except telegraphy for calling and for operating signals incidental to the use of telephony) shall be provided with this part and the documents set forth in § 83.367 of this chapter.

(c) The documents prescribed in this section shall be continuously and readily available to the licensed

operator on duty during the hours of service of the station.

§ 85.109 Fixed and coast station records.

(a) Each Alaska-public fixed station and each public coast station in the Alaska area shall maintain an accurate radiotelegraph and/or radiotelephone log as required for public coast stations by §§ 81.214(a) and 81.314, respectively, of this chapter: *Provided*, That coast stations, with respect to operation on frequencies within the bands 1605-5000 kc/s and 156.35-162.05 Mc/s, and all Alaska-public fixed stations, may express the time of making each log entry in local standard time in the same manner as is permitted by those sections for coast stations which communicate exclusively with vessels on inland waters of the United States.

(b) Each limited coast station in the Alaska area shall maintain an accurate radiotelegraph and/or radiotelephone log as required by §§ 81.214(b) and 81.370, respectively, of this chapter.

§ 85.110 Ship station records.

Each ship station in the Alaska area shall maintain an accurate radiotelegraph and/or radiotelephone log as required by § 83.330 for telegraphy, and § 83.368 for telephony, of this chapter: *Provided*, That with respect to operation on frequencies within the bands 1605-5000 kc/s and 156.25-157.45 Mc/s, ship stations in the Alaska area and on board vessels engaged on voyages solely between Alaska and other places on the Pacific seaboard of the continental United States or Canada may express the time of making each log entry in local standard time in the same manner as is permitted by §§ 83.330(d) and 83.368 of this chapter for ship stations navigated on inland waters of the United States.

§ 85.111 Coast station communication.

(a) Except as otherwise stated in paragraphs (b) and (c) of this section, the provisions of § 81.302 of

this chapter shall apply to public coast stations subject to this part.

(b) In lieu of the provisions set forth in § 81.302(a) (3) and (4) of this chapter, public coast stations in the Alaska area using telephony are authorized to communicate with public ship stations, government ship stations, aeronautical public service stations on board aircraft, and government aircraft stations for the transmission or reception of public correspondence when the mobile station uses telephony on a radio channel below 5000 kc/s designated in this part for ship-shore public correspondence by means of telephony and used by the coast station with which it communicates. Under this condition, the mobile station and the coast station transmit alternately on the same radio channel.

(c) In lieu of the requirement of § 81.302 (b) (2) (i) of this chapter, the station with which communication is carried on shall transmit to the coast station on a radio channel below 5000 kc/s designated in this part for ship-shore public correspondence by means of telephony and used by the coast station with which it communicates. Under this condition, the fixed station and the coast station transmit alternately on the same radio channel.

§ 85.112 Coast station working frequency required.

Coast stations in the Alaska area shall be regarded as complying with § 81.104(c)(1) of this chapter when the particular coast station is capable of transmitting A3 or A3H emission (and is licensed to transmit) and receiving A3 emission on at least one other frequency authorized for working with ship stations in the band 1605 to 3500 kc/s in lieu of the band 2000 to 3500 kc/s.

§ 85.113 Suspension of coast station watch.

If, for any reason, a watch on 500 kc/s or 2182 kc/s maintained by a coast station, licensed for continuous or definite hours of service, is suspended, impaired,

or discontinued during the regular season of operation of that station notification thereof shall be given at the earliest practicable time by the station licensee to the nearest station or office of the U.S. Coast Guard or the Alaska Communication System that can be contacted via available channels of communication (preferably by wire or radio) and to the Commission's Engineer in Charge at Anchorage, Alaska. This notification shall include a statement of any estimated time of resumption of such watch if it has been suspended only, and shall state the reason for suspension, impairment, or discontinuance of the watch. When such watch is resumed after being suspended, or when impairment thereof no longer exists, notification of this fact likewise shall be given at the earliest practicable time. The provisions of this section shall apply to coast stations in the Alaska area in lieu of the provisions of §§ 81.74 and 81.75 of this chapter.

§ 85.114 Use of developmental fixed stations.

(a) Developmental fixed stations subject to this part shall be constructed and used in such manner as to conform with all applicable technical and operating requirements contained in this part, unless deviation therefrom is specifically provided in the station authorization.

NOTE: Such requirements are those applicable to the corresponding established class of station including provisions relating to operator requirements, station records, station documents, and assignment of call signs.

(b) Communication with any station of a country other than the United States is prohibited unless specifically authorized by the terms of the station authorization.

(c) The operation of a developmental station is subject to the condition that harmful interference is not caused to the operation of stations licensed in an established service under any part of the Commission's rules.

NOTE: The rules applicable to developmental coast stations and developmental stations on board ship are contained in Subpart M of Part 81 and Subpart Q of Part 83, respectively, of this chapter.

§ 85.115 Rules in other parts applicable.

(a) The rules relating to station and operating requirements and other rules set forth in the rules and regulations governing stations in the maritime services (Subpart D and Subparts F through P of Part 81 of this chapter, and Subpart D and Subparts F through V of Part 83 of this chapter) shall, except as otherwise specifically provided in this part, apply to stations of these services in the Alaska area so far as they are consistent with this part.

(b) So far as they are consistent with this part, the following rule sections contained in Subparts D, F, G, H, I, M, and O of Part 81 of this chapter shall apply to stations of the fixed service subject to this part:

81.101	81.155	81.211
81.102(a),(b)	81.156	81.310
81.107(a)	81.159	81.311
81.108	81.171	81.501
81.109	81.173	81.502
81.110	81.174	81.503(a)
81.111	81.175	81.505
81.115	81.179(e)	81.506
81.116	81.190	81.507
81.118	81.191	81.551
81.151	81.192	81.552
81.152	81.209	
81.154	81.210	

¶ 85.115(b) the table amended eff. 11-3-67; IV(64)-10.]

SUBPART E—STANDARD TECHNICAL REQUIREMENTS

§ 85.151 Authorized frequency tolerance.

(a) Unless the particular station authorization specifically provides otherwise, the frequency tolerance authorized for coast stations and fixed stations subject to this part shall be as prescribed in paragraphs (b) and (c) of this section. This section shall apply to coast stations subject to this part, in lieu of § 81.131 of this chapter except as to coast station operation within any frequency band not designated in this section.

(b) Authorized frequency tolerances:

(1) For fixed and coast stations when using A3A, A3H or A3J emissions: 20 cycles per second.

(2) For fixed and coast stations when using other than A3A, A3H or A3J emissions:

Frequency band	Class of station	Mean power (as defined in § 81.8 of this chapter)	Tolerance parts in 10^6
50 to 515 kc/s.....	Fixed or coast.....		200
1605 to 3400 kc/s.....	do.....	200 watts or less.....	100
1605 to 3400 kc/s.....	Fixed.....	Above 200 watts.....	50
4000 to 9000 kc/s.....	Coast.....		50
5000 to 9000 kc/s.....	Fixed.....	500 watts or less.....	100
5000 to 9000 kc/s.....	do.....	Above 500 watts.....	30
156.35 to 162.05 Mc/s.....	Coast.....		20

(3) For operational fixed stations:

Frequency range	Tolerance parts in 10^6
72.0 to 73.0 Mc/s and 75.4 to 76.0 Mc/s.....	5

NOTE: The authorized frequency tolerances for ship stations are set forth in § 83.131 of this chapter.

¶ 85.151(b) (3) adopted eff. 6-5-67; IV(64)-9.]

§ 85.152 Authorized classes of emission.

(a) Unless otherwise provided by the particular station authorization, the classes of emission authorized for the respective frequency or frequencies for coast and fixed stations subject to this part and ship stations when in the Alaska area shall be as set forth below:

Frequency or frequency band	Class of station	Emission
(1) For telegraphy: 50 to 9000 kc/s 415 to 490 kc/s	Fixed Coast	A1. A1; A2 for brief testing and distress, urgency and safety signals, or any communication preceded by one of these signals.
490 to 515 kc/s 405 to 515 kc/s 1605 to 3400 kc/s	Coast Ship Coast and ship.	A1 and A2. A1 and A2. A1.
(2) For telephony: 1605 to 9000 kc/s except for 2182 kc/s and 2638 kc/s. 2182 kc/s	Fixed, coast and ship.	A3, A3A, A3H, and A3J.
2638 kc/s 156 to 174 Mc/s	Coast and ship. Ship Coast and ship.	A3 and A3H. Do. F3.

(b) Authorization to use radiotelephone emission is construed to include use of telegraphy (including keying only the modulating audio frequency), tone signals, and signalling devices for the sole purpose of establishing or maintaining voice communications.

(c) In telegraphy, A2 emission is permissible only by keying a carrier modulated by an audio frequency.

(d) Authorization to use A3H or A3J emission is limited to emitting a carrier at a power level between 3 and 6 decibels below peak envelope power for the former emission and at a power level at least 40 decibels below peak envelope power for the latter emission.

(e) Emissions other than those listed in paragraph (a) of this section, and emissions for other frequency bands, may be authorized upon a satisfactory showing of need therefor and provided harmful interference will not result from the use thereof. An application requesting such special authorization shall fully describe the emission desired and state the purpose for which the emission is proposed.

(f) For the purpose of this part, A3 emission means double sideband full carrier; single sideband means A3A, A3H, and A3J emissions.

(g) Operational fixed stations using frequencies in the 72 to 76 Mc/s band are authorized to use A1, A2, A3, F1, F2, and F3 emissions.

NOTE: For information regarding the classification of emissions, the calculation of the bandwidth, and frequency deviation, see Part 2 and Subparts E of Parts 81 and 83 of this chapter.

【§ 85.152(g) adopted and note amended eff. 6-5-67; IV(64)-9】

§ 85.153 Transmitter power.

(a) Unless specifically expressed otherwise, transmitter power is peak envelope power (see § 81.8 or § 83.7 of this chapter) for A3A, A3H, and A3J emissions and total plate input power to the final radio stage of the transmitter (without modulation present in the case of A3 emission) for other emissions.

(b) The transmitter power for fixed and coast stations subject to this part, and ship stations when in the Alaska area, shall not exceed the following values in watts:

Emission	Frequency band	Class of station	Transmitter power
A1	50 to 200 kc/s	Fixed	650
A1 and A2	400 to 515 kc/s	Coast or ship	265
A1, A3, A3A, A3H, and A3J	1605 to 9000 kc/s	Fixed, coast or ship	150
F3	156.25 to 161.25 Mc/s	Ship	100
		Limited coast	100
F3	161.75 to 162.025 Mc/s	Public coast	250
		Public coast	1000

(c) The transmitter power limitations set forth in paragraph (b) of this section may be exceeded when necessary:

(1) By a ship or coast station to expedite communication concerning a ship or aircraft in distress;

(2) To enable a ship station using a radio installation required for safety purposes by treaty or statute to satisfy the applicable transmitter power or communication range (distance) stipulated by such treaty or statute;

(3) To provide effective communication, under exceptional conditions, on an authorized carrier frequency or frequencies within the band 1605 to 6000 kc/s between an Alaska public fixed station and one or more fixed stations of the Alaska Communication System. Such exceptional power, however, must be specifically requested in each case by the applicant or licensee and, before being used must be specifically authorized by the Commission. Except as may be otherwise determined by the Commission, such authorization will not be granted unless concurred in by the ACS. Each request for such authority must show at least that the local representative of the ACS has been fully informed thereof, and that technical means are available and can be used to reduce the power to not more than that permitted by paragraph (b) of this section when operating on carrier frequencies which would not be covered by such exceptional authorization.

(d) Unless the station license specifically provides otherwise, ship stations in the Alaska area shall, in addition to the provisions of this section, be subject

to § 83.134(e) of this chapter in respect to minimum transmitter power on frequencies between 2 and 27.5 Mc/s authorized for telephony, only when transmitted by telephony to a public coast station which is providing a direct electrical connection between the ship-shore frequency(s) in use and a public land-telephone system.

(e) The transmitter power for fixed stations specified in paragraph (b) of this section shall not apply to operational fixed stations. The transmitter power for operational fixed stations using frequencies in the band 72 to 76 Mc/s shall be as specified in the respective station authorization.

【§ 85.153 amended in IV(64)-7; (e) adopted eff. 6-5-67; IV(64)-9】

§ 85.154 Modulation limiter for fixed and coast stations.

Except for transmitters used solely for developmental stations, each radiotelephone transmitter licensed for use and operation on a frequency or frequencies below 27.5 Mc/s in a fixed or coast station subject to this part shall, when using A3 emission, automatically prevent modulation in excess of 100 percent. With respect to operation on frequencies below 27.5 Mc/s only, this section shall apply to coast stations located in the Alaska area in lieu of § 81.111(e) of this chapter.

NOTE: For a similar requirement applicable to ship stations, see § 83.137(f) of this chapter.

§ 85.155 Rules in other parts applicable.

(a) So far as they are consistent with this part, the rules and regulations governing stations in the maritime services in Subparts E of Parts 81 and 83 of this chapter shall, except § 81.111(e) of this chapter, apply to stations of these services in the Alaska area.

(b) So far as they are consistent with this part, §§ 81.133 and 81.136 of this chapter shall apply to stations of the fixed service subject to this part.

(c) So far as it is consistent with this part, § 81.111 of this chapter shall apply to operational fixed stations subject to this part.

【§ 85.155(c) adopted eff. 6-5-67; IV(64)-9】

§ 85.156 Acceptance of transmitters for licensing in the fixed service.

(a) Each single sideband transmitter authorized in a fixed station subject to this part (other than transmitters authorized solely for developmental stations) must be type accepted. In addition to meeting applicable requirements in this part, each such transmitter shall meet the requirements of §§ 81.111 (c), (d), and (f), and 81.140(a) of this chapter.

(b) On and after April 26, 1968, each transmitter authorized in an operational fixed station license for operation on frequencies in the 72-76 Mc/s band (other than transmitters authorized solely for developmental stations) must be type accepted by the Commission.

【§ 85.156(b) adopted eff. 6-5-67; IV(64)-9】

SUBPART F—ASSIGNMENT AND USE OF FIXED SERVICE FREQUENCIES

§ 85.201 Cooperative use of frequency assignments.

Unless provided otherwise by this part, or by the particular station authorization, each radio-channel authorized for use by a fixed station subject to this part is available for use on a shared basis only and shall not be construed as available for the exclusive use of any one station or any one station licensee. All station licensees shall cooperate in the use of their respective frequency assignments in order to minimize interference and obtain the most effective use of the authorized radio-channels.

§ 85.202 Protection of Government services.

Notwithstanding other provisions of this part, the assignment and use of any of the frequencies designated in this subpart shall be subject to the express condition that any individual carrier frequency may not be authorized for transmission by a fixed station at any specific location in the Alaska area where its use could cause harmful interference to a U.S. Government radio service which, in the discretion of the Commission, must be protected from such interference.

§ 85.203 Alternate transmission on same radio-channel.

Except for communication between licensed fixed stations and fixed stations of the Alaska Communication System as hereinafter specifically designated in this subpart all transmission, on each radio-channel assigned by this subpart, by two or more stations engaged in any one exchange of signals or communications with each other, shall take place on only one radio-channel. For this purpose, the stations communicating with each other shall transmit and receive on the same radio-channel: *Provided*, That this requirement is waived in an emergency affecting the safety of life or property when, by reason of interference or limitation of equipment, this method of single-channel communication cannot be used.

§ 85.204 Frequencies available in all zones.

(a) Each of the following frequencies is an authorized carrier frequency for use by Alaska public fixed

stations in accordance with Subpart E of this part. These frequencies are authorized for use by stations located in any zone of the Alaska area for communication with other licensed Alaska public fixed stations located in any zone of the Alaska area:

(1) 149.6 kc/s for telegraphy only; the use of this frequency by non-Government stations shall be shared with Government stations of the ACS in accordance with §§ 85.201 and 85.206.

(2) [Reserved]

(3) 2118 kc/s for telegraphy and/or telephony; available on a shared basis with maritime mobile service. The use of this frequency by fixed stations shall be coordinated with ship-to-shore communication on 2134 kc/s in the Alaska area so as to avoid harmful interference.

(4) [Reserved]

(5) 3201 kc/s for telegraphy and/or telephony; insofar as practicable, fixed stations shall limit their use of this frequency to communication over distances which cannot be effectively covered by the use of a frequency below 2700 kc/s or above 70 Mc/s.

(6) [Reserved]

(7) 5167.5 kc/s for telegraphy and/or telephony; to be used exclusively for communication over distances of not less than 50 miles and only during the hours from 6:00 a.m. to 9:00 p.m. local standard time.

(8) 8070 kc/s for telegraphy and/or telephony; to

be used exclusively for communication over distances of not less than 200 miles and only during the hours from 6:00 a.m. to 6:00 p.m. local standard time, except in zone 4 west of 165 degrees west longitude where the hours of its use shall not be limited.

§ 85.205 Frequencies available in particular zones.

(a) Each of the following frequencies (kc/s) is an authorized carrier frequency for use by Alaska public fixed stations employing telegraphy and/or telephony in accordance with Subpart E of this part. These frequencies are authorized for use (on a shared basis, except 1660 kc/s, with stations of the maritime mobile service) exclusively by stations located in the zone or zones designated herein opposite the respective frequency; for use, subject to the specific conditions and limitations designated herein by identifying reference placed opposite the respective frequency in each column, for communication with the other Alaska public fixed stations. Insofar as is practicable, each station, when transmitting on any of these frequencies, shall communicate only with a station or stations located in its own zone or in a contiguous zone.

Zones in which transmission on the particular frequency is authorized subject to the limiting conditions specified by references to the following paragraphs of this section:

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
1646.....	1652.....	1708.....	1646.....	1652.....	1646.....
1712.....			1660(b).....	1712(c).....	1660(b).....
2006(d)(e).....			1708.....		
2422.....	2430(k)(e).....	2422.....	2430(e).....	2430(e).....	2450(f).....
			2450(f).....		2482(e)(g).....
		2482(e)(k)(g).....	2482(e)(g).....		2506(h).....
2512.....	2512.....	2512.....	2512.....	2506(h).....	
2538.....	2538.....	2538.....			
2566(e).....			2566.....	2566.....	
2616(d)(e)(i).....					
3261(j).....			3261(j).....	3261(j).....	

(b) Use of the frequency 1660 kc/s shall be coordinated as necessary with use of the frequency 1666 kc/s by other fixed stations in the Alaska area so as to avoid harmful interference.

(c) To minimize interference to the service of stations in Zone 4 operating on 1708 kc/s, use of the frequency 1712 kc/s in Zone 5 is authorized only for stations located north of 62 degrees north latitude.

(d) To minimize interference to or from the operation of stations outside the Alaska area or United

States Government stations within Alaska, each of the frequencies listed in paragraph (a) of this section, to which this paragraph designator (d) is applied, is authorized for use annually in the respective zone only during the hours from 7:00 a.m. to 11:00 p.m. local standard time from May 15 to September 15 inclusive; and from 8:00 a.m. to 9:00 p.m. local standard time from April 1 to May 14 inclusive and from September 16 to October 31 inclusive.

(e) To provide for the most effective use of author-

ized carrier frequencies available under this part, and to minimize interference to or from stations outside the Alaska area, each of the frequencies listed in paragraph (a) of this section, to which this paragraph designator (e) is applied, is authorized for use in the respective zone for the fixed service, exclusively by coast station licensees who operate a public coast station at the same location and on the same frequency for maritime mobile service; and, in order to serve adequately an industry in Alaska, have an established requirement for a radio-communication system of fixed service and maritime mobile service on a frequency common to both of these services.

(f) Use of the frequency 2450 kc/s shall be coordinated as necessary with use of the frequency 2466 kc/s by other fixed stations in the Alaska area as authorized in § 85.206, so as to avoid harmful interference.

(g) Use of the frequency 2482 kc/s shall be coordinated as necessary with use of the frequencies 2466 kc/s and 2474 kc/s by other fixed stations in the Alaska area as authorized in § 85.206, so as to avoid harmful interference.

(h) Use of the frequency 2506 kc/s for fixed service in the Alaska area is authorized on condition that harmful interference shall not be caused to the service of any coast station located in the vicinity of San Francisco or Eureka, California, to which this frequency is assigned as a carrier frequency for transmission.

(i) Use of the frequency 2616 kc/s shall be coordinated as necessary with use of the frequency 2632 kc/s by other fixed stations in the Alaska area as authorized in § 85.206, so as to avoid harmful interference.

(j) Insofar as is practicable, fixed stations shall limit their use of the frequency 3261 kc/s to communication over distances which cannot be effectively covered by the use of a frequency below 2700 kc/s or above 70 Mc/s.

(k) To minimize interference to or from the operation of stations outside the Alaska area, each of the frequencies listed in paragraph (a) of this section, to which this paragraph designator (k) is applied, is authorized for use annually in the respective zone only during the hours from 6:00 a.m. to 11:00 p.m. local standard time, from April 1 to September 30 inclusive.

NOTE: The frequencies designated in paragraph (a) of § 85.205 are additionally available (except 1660 kc/s) for maritime mobile service as provided in Subpart G of this part. This dual allocation is primarily for the purpose of providing a group of frequencies for radio station licensees in the Alaska area whose industrial operations require an integrated system of point-to-point and ship-shore communication.

§ 85.206 Frequencies for communication with ACS.

(a) Each of the following frequencies (kc/s) is an authorized carrier frequency for use by Alaska-public fixed stations in accordance with Subpart E of this part, for communication with fixed stations of the Alaska Communication System which are located in the Alaska area and are open to public correspondence: *Provided*, That to assure necessary coordination each Alaska-public fixed station when communicating with a fixed station of the ACS shall transmit only on a frequency listed in this section which is specifically designated for use by that station in a written notification to the respective licensee from the ACS in response to a written request therefor received by the ACS from that licensee. Likewise, the periods of time during which the licensed station may transmit on such frequency shall be those which are designated in such notification from the ACS. The particular ACS station(s) with which the licensed station may communicate and the specific ACS frequency or frequencies to be used for transmitting to the licensed station are designated by the ACS in its written notice to the station licensee:

(1) 149.6 for telegraphy only; normally for use at any appropriate location in the Alaska area.

NOTE: The frequency 149.6 kc/s may be used also for transmission by ACS fixed stations to public fixed stations.

(2) 1666 for telegraphy only; normally for communication with ACS stations located at Ketchikan and King Salmon. The use of this frequency shall be coordinated as necessary with use of the frequency 1660 kc/s by other fixed stations in the Alaska area so as to avoid harmful interference.

NOTE: The frequency 1666 kc/s may be used also for transmission by ACS fixed stations to public fixed stations.

(3) 2256 for telegraphy and/or telephony; for communication with ACS stations located at Anchorage and Ketchikan.

(4) 2466 for telegraphy and/or telephony; normally for communication with ACS stations located at Wrangell, King Salmon, and Kotzebue. The use of this frequency shall be coordinated as necessary with use of the frequencies 2450 kc/s, 2474 kc/s, and 2482 kc/s by other stations in the Alaska area so as to avoid harmful interference.

(5) 2474 kc/s for telegraphy and/or telephony; normally for communication with ACS stations located at Sitka, Kodiak, Nome and Barrow. The use of this frequency shall be coordinated as necessary with use of the frequencies 2466 kc/s and 2482 kc/s by other

stations in the Alaska area so to avoid harmful interference.

(6) 2632 for telegraphy and/or telephony; normally for communication with ACS stations located at Cordova, Fairbanks, Bethel and Unalaska. The use of this frequency shall be coordinated as necessary with use of the frequency 2616 kc/s by other stations in the Alaska area so as to avoid harmful interference.

(7) 2694 for telegraphy and/or telephony; for communication with ACS stations located at Juneau and Cold Bay.

(8) 2776 for telegraphy and/or telephony; for communication with ACS station located at Ketchikan.

(9) 3357 for telegraphy and/or telephony; for communication with ACS stations located at Fairbanks, Anchorage, and Juneau. The use of this frequency for communication with Anchorage shall be coordinated as necessary with use of the frequency 3353 kc/s by United States Government stations so as to avoid harmful interference to the latter. The use of 3357 kc/s for communication with Juneau, Fairbanks and Anchorage shall be coordinated as necessary with the use of the frequency 3365 kc/s by other fixed stations in the Alaska area so as to avoid harmful interference.

NOTE: The ACS station at Anchorage will act as coordinator between the non-Government stations transmitting to Anchorage on 3357 kc/s and the Government stations operating on 3353 kc/s.

(10) 3365 for telegraphy and/or telephony; for communication with ACS station located at Unalaska. The use of this frequency shall be coordinated as necessary with use of the frequency 3357 kc/s by other fixed stations in the Alaska area so as to avoid harmful interference.

(11) 5137.5 for telegraphy and/or telephony; normally for communication with ACS stations located at Anchorage and Ketchikan. The use of this frequency shall be limited to the hours from 6:00 a.m. to 9:00 p.m. local standard time.

(12) 5207.5 for telegraphy and/or telephony; normally for communication with ACS stations located at Juneau, Fairbanks and Kodiak. The use of this frequency (except in Zone 4 west of 165 degrees west longitude) shall be limited to the hours from 6:00 a.m. to 9:00 p.m. local standard time.

(13) Frequencies shown herein which are designated for transmission to particular ACS stations shall be utilized only for transmission to those stations except with respect to the frequencies 2466, 2474, 2632, 5137.5 and 5207.5 kc/s. In the case of these five frequencies, the ACS may designate other station locations depending upon operational requirements.

(b) When transmitting to any ACS fixed station on any frequency above 2000 kc/s authorized in paragraph (a) of this section, each Alaska-public fixed station shall use any class of emission permissible under applicable provisions of § 85.152 which is designated by the ACS; when such designation is not made by the ACS, the station licensee shall select the class of emission to be used in accordance with the provisions of § 85.152. Insofar as is practicable when transmitting by means of telegraphy on any of these frequencies above 2000 kc/s, and subject to designation by the ACS as herein provided, A1 emission only shall be used.

§ 85.207 Use of United States Government frequencies.

Frequencies assigned to Federal Government radio stations under Executive order of the President may be authorized for use by Alaska-public fixed stations when such assignment is necessary for inter-communication with Federal Government stations or required for coordination with activities of the Federal Government provided the Commission determines, after consultation with the appropriate Government agency or agencies, that such assignment is in the public interest.

§ 85.208 Rules in other parts applicable.

So far as it is consistent with this part, Subpart P of Part 81 of this chapter shall apply to operational fixed stations subject to this part.

【§ 85.208 adopted eff. 6-5-67; IV(64)-9】

SUBPART G—ASSIGNMENT AND USE OF MARITIME SERVICE FREQUENCIES

§ 85.251 Cooperative use of frequency assignments.

Unless provided otherwise by this part, or by the particular station authorization, each radio channel authorized for use by a ship or coast station subject to this part is available for use on a shared basis only and shall not be construed as available for the exclusive use of any one station or any one station licensee. All station licensees shall cooperate in the use of their respective frequency assignments in order to minimize interference and obtain the most effective use of the authorized radio-channels.

§ 85.252 Protection of Government services.

Notwithstanding other provisions of this part, the assignment and use of any of the frequencies designated in this subpart shall be subject to the express condition that any individual carrier frequency may not be authorized for transmission by a ship or coast station at any specific location in the Alaska area

where its use could cause harmful interference to a U.S. Government radio service which, in the discretion of the Commission, must be protected from such interference.

§ 85.253 Alternate transmission on the same frequency.

Except when communicating with coast stations of the Alaska Communication System, stations when communicating with each other within the bands 1605-2035 kc/s and 2107-9000 kc/s, shall transmit and receive on the same frequency: *Provided*, That this requirement is waived in an emergency affecting the safety of life or property when, by reason of interference or limitation of equipment, this method of single channel communication cannot be used.

§ 85.254 Frequencies to be used for distress signals.

(a) In case of distress in the maritime service, the frequency to be used shall be the international radiotelegraph distress frequency 500 kc/s with maximum power obtainable; the class of emission to be used if possible shall be A2. Stations which cannot transmit on 500 kc/s or use A2 emission shall, if possible, use their normal calling frequency and normal class of emission with maximum power obtainable.

(b) The frequency 2182 kc/s is the international radiotelephone distress frequency for the maritime mobile service. It may be used for this purpose by ship or aircraft stations employing telephony in the band 1605 to 2850 kc/s when requesting assistance from the maritime services.

(c) No provision of the International Radio Regulations shall prevent a mobile station in distress from using any means available to it for drawing attention, signaling its position, and obtaining help. No provision of this part shall prevent a mobile station in distress from using any frequency assigned by this part for the transmission of distress signals or distress communications in the event it is impossible, impracticable, or ineffective for such station to use the frequency 500 kc/s or 2182 kc/s to draw attention, signal its position and obtain help.

NOTE: To determine the detailed procedure to follow in case of distress in the maritime mobile service, refer to Subpart J of Part 83 and § 81.187 of this chapter.

§ 85.255 Ship station frequencies for use in all zones for telegraphy only.

(a) Each of the following frequencies in kilocycles is authorized as an assigned frequency for use by ship stations in any zone of the Alaska area when transmitting by means of telegraphy, in accordance with

Subpart E of this part, for communication with other stations of the maritime mobile service using telegraphy:

500—for calling and distress as provided in § 85.254 of this subpart and in Subparts J and N of Part 83 of this chapter.

425, 448, 454, 468, 480—for working as provided in Subpart N of Part 83 of this chapter.

410—for maritime radionavigation service (radio direction-finding) as provided in Subpart P of Part 83 of this chapter. In addition to the transmission of specific signals for direction-finding, this frequency may be used for communication by telegraphy with direction-finding stations in connection with established international operating procedure relative to radiolocation by means of direction-finding.

444—exclusively for communication with United States Government stations; the use of this frequency for any other communication (except distress) is not authorized. The use of this frequency shall not cause harmful interference to the service of any coast station.

(b) (1) The frequency 2091 kc/s is the Region 2 (including the Alaska area) international calling frequency for ship stations using telegraphy within the band 2065-2107 kc/s. This frequency shall be used for call, reply and signals preparatory to traffic by all ship stations using telegraphy to establish communication with other ship stations operating in the band 2065-2107 kc/s or with coast stations using telegraphy and operating within the band 2035-2065 kc/s. Additionally in the Alaska area, this frequency may be used as a calling frequency to establish communication with ship or coast stations using telegraphy and operating within the band 1605-2035 kc/s or 2107-3400 kc/s. Transmission by ship stations for the purposes herein set forth on any calling frequency within the band 2088.5-2093.5 kc/s is permissible as a practical operating procedure to minimize interference, in lieu of transmission on the frequency 2091 kc/s. (These alternative calling frequencies are 2089, 2089.5, 2090, 2090.5, 2091.5, 2092, 2092.5 and 2093 kc/s.) The use of the frequency 2091 kc/s or any other calling frequency within the band 2088.5-2093.5 kc/s by ship stations for purposes other than those set forth herein (except for distress traffic) is not authorized. A ship station, after establishing communication on a calling frequency within this band, shall change to an authorized telegraph working frequency for the transmission of message traffic by means of telegraphy.

(2) Working frequencies within the band 2065-2107 kc/s designated in Subpart N of Part 83 of this chapter for use by ship stations employing telegraphy are authorized for use as assigned frequencies by ship stations using telegraphy in the Alaska area in accordance with the applicable provisions of Part 83 of this chapter: *Provided*, That the authorized class of emission and the authorized transmitter power shall, with

respect to ship stations in the Alaska area, be in conformity with Subpart E of this part.

(c) Assigned calling and working frequencies below 405 kc/s and within the band 4000-25000 kc/s designated in Subpart N of Part 83 of this chapter for use by ship stations employing telegraphy are available for use by ship stations in the Alaska area using telegraphy and operating in accordance with applicable provisions of Part 83 of this chapter, including provisions therein governing the class of emission and the authorized transmitter power.

§ 85.256 Coast station frequencies for use in all zones for telegraphy only.

Each of the following frequencies in kilocycles is authorized as an assigned frequency for use by public coast stations in all zones of the Alaska area when transmitting by means of telegraphy, in accordance with Subpart E of this part, for communication with ship and aircraft stations, and with other public coast stations using telegraphy in the Alaska area, in accordance with § 81.202 of this chapter:

500—for calling and distress as provided in §§ 81.187, 81.207(a), 81.208(b), and 81.212 of this chapter.

416 and 438—for working as provided in Subpart H of Part 81 of this chapter.

2052.5—calling and working frequency for communication with ship stations when such stations are using telegraphy within the band 2065-2107 kc/s.

§ 85.257 Safety frequencies for ship and coast stations in all zones using telephony.

In addition to the frequencies for safety purposes in the 156-174 Mc/s band available under Parts 81 and 83 of this chapter, the frequency 2182 kc/s is authorized for distress, calling, and safety purposes for use by ship and coast stations in all zones of the Alaska area in accordance with the provisions of Parts 81 and 83 of this chapter: *Provided*, That the authorized class of emission and the authorized transmitter power shall be in conformity with the provisions of Subpart E of this part.

§ 85.258 Frequencies for intership communication in all zones by telephony.

In addition to the intership frequencies in the 156-174 Mc/s band available under Part 83 of this chapter, the frequencies 2638 kc/s and 2738 kc/s are available for intership communications in all zones of the Alaska area by ship stations using telephony and operating in accordance with applicable provisions of Part 83 of this chapter: *Provided*, That the authorized class of emission and the authorized transmitter power shall be in conformity with the provisions of Subpart E of this part.

§ 85.259 Frequencies for ship-shore and ship to ship communication by telegraphy or telephony in all zones.

(a) Each of the following frequencies (kc/s) is an authorized carrier frequency for use in accordance with Subpart E of this part, by coast and ship stations in all zones of the Alaska area, as designated herewith:

(1) For communication by telegraphy and/or telephony between public coast stations and public ship stations on board any type of vessel—1622, 2382.

(2) For intership communication (for business, operational and safety purposes) by telegraphy and/or telephony:

(i) Between ship stations on board vessels of less than 500 gross tons—1622 only; and

(ii) Between ship stations on board vessels of 500 gross tons or more—2382 only.

(3) (i) Primarily for communication by telephony between public coast stations and public ship stations on board any type of vessel, during the hours from 6:00 a.m. to 9:00 p.m. local standard time only—4390.2.

(ii) Additionally the frequency 4390.2 kc/s may be used on a secondary basis for communication by telephony, during the hours from 6:00 a.m. to 9:00 p.m. local standard time only:

(a) Between public coast stations, separated not less than 50 miles, for the exchange of public correspondence under conditions which make it necessary to use this frequency for this purpose in lieu of a carrier frequency specifically designated in Subpart F of this part for fixed service; on condition that ship-shore communication shall be given priority at all times:

(b) Between ship stations on board any type of vessel for business, operational, and safety purposes, on condition that harmful interference shall not be caused to the service of any coast station using telephony. Insofar as is practicable, the use of this frequency for this purpose shall be limited to the relatively longer distances over which the use of frequencies below 3400 kc/s or above 156 Mc/s would not be effective.

§ 85.260 Frequencies in the band 1605-3400 kc/s for ship-shore public telephone service in all zones.

(a) (1) The frequencies 2134 and 2240 kc/s are authorized carrier frequencies for use in all zones of the Alaska area by public ship stations, in accordance with Subpart E of this part, for communication exclusively with coast stations of the Alaska Communication System which are located in the Alaska area and are open to public correspondence. When transmitting on these frequencies to any ACS coast stations, ship stations shall employ A3, A3A, A3H, or A3J emission. The associated frequency to be used for transmission

from the ACS coast station to the ship station shall be within the band 1605 to 3400 kc/s and shall be designated for each location by the ACS.

(2) Public ship stations shall use the frequencies shown below for working with the particular ACS coast stations designated herewith. The hours of service of each ACS coast station may be obtained upon request made to the ACS or to the Commission's Engineer in Charge at Anchorage, Alaska, or Seattle, Wash.

For communication with ACS coast stations located in the vicinity of—	Ship station transmitting carrier frequency (kc/s)	Associated ACS coast station carrier frequency (kc/s)
Anchorage, Alaska.....	2134	2312
Cold Bay, Alaska.....	2134	2312
Cordova, Alaska.....	2134	² 2312
Juneau, Alaska.....	¹ 2240	³ 2400
Ketchikan, Alaska.....	2134	² 2312
King Salmon, Alaska.....	2134	2312
Kodiak, Alaska.....	¹ 2240	³ 2400
Nome, Alaska.....	¹ 2240	³ 2400
Petersburg, Alaska.....	2134	2312
Sitka, Alaska.....	¹ 2240	³ 2400
Unalaska, Alaska.....	2134	2312

¹ 2134 kc/s may also be used until January 1, 1965.

² Available January 1, 1965. 2300 kc/s will be used until January 1, 1965.

³ Available January 1, 1965. 2784 kc/s will be used until January 1, 1965.

⁴ Available January 1, 1965. 2312 kc/s will be used until January 1, 1965.

【§ 85.260(a) as amended eff. 8-13-64; IV(64)-1】

(b) Frequencies within the band 4000 kc/s-30 Mc/s designated in §§ 83.354 and 83.355 of this chapter for

use by ship stations employing telephony for communication with public coast stations located in the vicinity of specified geographic locations (outside the Alaska area) are available for use by ship stations, at sea in the Alaska area, using telephony and operating in accordance with applicable provisions of Part 83 of this chapter, including provisions therein governing the class of emission and the authorized transmitter power.

§ 85.264 Frequencies available in particular zones.

(a) (1) Each of the following frequencies (kc/s) is an authorized carrier frequency for use by public coast stations and ship stations employing telegraphy and/or telephony in accordance with Subpart E of this part: *Provided*, That telephony only shall be employed on the frequencies 4409.4 and 4434.9 kc/s. With respect to the operation of coast stations, these frequencies are authorized for use (below 3400 kc/s on a shared basis with Alaska public fixed stations) by coast stations located only in the zone or zones designated herein opposite the respective frequency; and for use in accordance with paragraph (1) of this section, subject to the specific conditions and limitations designated herein by identifying reference placed opposite the respective frequency in each column.

(2) Zones in which transmission on the particular frequency is authorized subject to the limiting conditions specified by references to following paragraphs of this section, including paragraph (1) of this section in reference to each frequency:

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
1646.....	1652.....	1708.....	1646.....	1652.....	1646.....
1712(b).....			1708.....	1712(b).....	
2006(d).....	2118(m).....	2422.....	2118(m).....		
2422.....	2430(c)(n).....	2450(l)..... 2482(n)(g).....	2430..... 2450(l)..... 2482(n)(g).....	2430..... 2506(h).....	2450(l)..... 2482(g)..... 2506(h).....
2512.....	2512.....	2512.....	2512.....	2506(h).....	
2586.....	2538(e).....	2538(e).....	2586.....	2586.....	
2616(d)(i).....					
3261(j).....			3261(j).....	3261(j).....	
4409.4(k).....	4409.4(k).....	4409.4(k).....	4434.9(k).....	4434.9(k).....	4434.9(k).....

(b) To minimize interference to the service of stations in Zone 3 or 4 operating on 1708 kc/s, ship stations in Zone 1 shall not transmit on 1712 kc/s when west of 138 degrees west longitude, nor in Zone 5 when south of 62 degrees north latitude; also coast stations in Zone 5 south of that latitude shall not transmit on 1712 kc/s.

(c) To minimize interference to the service of ship stations transmitting on 2430 kc/s to any public coast

station in the vicinity of Seattle, Washington, ship stations in Zone 2 shall not transmit on 2430 kc/s when south of 59 degrees north latitude.

(d) To minimize interference to or from the operation of stations outside the Alaska area or United States Government stations within Alaska, each of the frequencies listed in paragraph (a) of this section, to which this paragraph designator (d) is applied, is authorized for use annually in the respective zone only

during the hours from 7:00 a.m. to 11:00 p.m. local standard time from May 15 to September 15 inclusive, and from 8:00 a.m. to 9:00 p.m. local standard time from April 1 to May 14 inclusive and from September 16 to October 31 inclusive.

(e) To minimize interference to or from the service of any coast station transmitting on 2538 kc/s and located in the vicinity of Vancouver, British Columbia, ship stations in Zones 2 and 3 shall not transmit on 2538 kc/s when south of 56 degrees north latitude.

(f) Use of the frequency 2450 kc/s shall be coordinated as necessary with use of the frequency 2466 kc/s by fixed stations in the Alaska area as authorized in § 85.206 so as to avoid harmful interference.

(g) Use of the frequency 2482 kc/s shall be coordinated as necessary with use of the frequencies 2466 kc/s and 2474 kc/s by fixed stations in the Alaska area as authorized in § 85.206 so as to avoid harmful interference.

(h) Use of the frequency 2506 kc/s for maritime mobile service in the Alaska area is authorized on condition that harmful interference shall not be caused to the service of any coast station located in the vicinity of San Francisco or Eureka, California, to which this frequency is assigned as a carrier frequency for transmission.

(i) Use of the frequency 2616 kc/s shall be coordinated as necessary with use of the frequency 2632 kc/s by fixed stations in the Alaska area as authorized in § 85.206, so as to avoid harmful interference.

(j) Insofar as is practicable, ship and coast stations shall limit their use of the frequency 3261 kc/s to communication over distances which cannot be effectively covered by the use of a frequency below 2700 kc/s or above 156 Mc/s.

(k) (1) The frequencies 4409.4 and 4434.9 kc/s are authorized for telephony exclusively; for use during the hours from 6:00 a.m. to 9:00 p.m. local standard time only. Such use of the frequency 4434.9 kc/s is authorized on condition that harmful interference shall not be caused to the service of any coast station located in the Great Lakes area to which this frequency is assigned as an authorized carrier frequency for transmission.

(2) Additionally, public coast stations may communicate, on a secondary basis, during the hours from 6:00 a.m. to 9:00 p.m. local standard time only, on 4409.4 and 4434.9 kc/s for the exchange of public correspondence with other public coast stations within not less than 50 miles; under conditions which make it necessary to use either of these frequencies for this purpose in lieu of an authorized carrier frequency specifically designated in Subpart F of this part for fixed service; and on condition that priority shall be given at all times to ship-shore communication.

(l) (1) When operating on any frequency designated in paragraph (a) of this section, a ship station shall transmit only on an authorized carrier frequency which is specifically authorized by that paragraph for transmission in the zone in which the ship station then is located: *Provided*, That, for communication with a ship or coast station located in a contiguous zone which uses a frequency in accordance with paragraph (a) but not designated by that paragraph for use in the zone in which the ship station then is located, such ship station may transmit on the contiguous zone frequency when, by reason of conditions not under its control, such operation becomes necessary.

(2) Ship stations are authorized generally to communicate on each frequency designated in this section with public coast stations using the same frequency, in accordance with § 85.253. A ship station may communicate on any of these frequencies with another ship station only when requested to do so by a public coast station which operates on the same frequency in accordance with paragraph (a) of this section and is within communication range of the ship station.

(m) Use of the frequency 2118 kc/s for maritime mobile service is subject to interference from transmission by ship stations on frequencies within the band 2065 to 2107 kc/s. Use of 2118 kc/s shall be coordinated as necessary with use of the frequency 2134 kc/s as authorized in § 85.260(a) so as to avoid harmful interference.

(n) To minimize interference to or from the operation of stations outside the Alaska area, each of the frequencies listed in paragraph (a) of this section, to which this paragraph designator (n) is applied, is authorized for use annually in the respective zone only during the hours from 6:00 a.m. to 11:00 p.m. local standard time, from April 1 to September 30 inclusive.

NOTE: The frequencies designated in paragraph (a) of this section are additionally available (except 4409.4 and 4434.9 kc/s) for Alaska public fixed stations as provided in Subpart F of this part. This dual allocation is primarily for the purpose of providing a group of frequencies for radio station licensees in the Alaska area whose industrial operations require an integrated system of ship-shore and point-to-point communication.

[[§ Editorial corrections to § 85.264 Note, IV(64)-10]]

§ 85.265 Rules in other parts applicable.

The rules relating to the assignment and use of frequencies for ship, aircraft, marine utility, and coast stations operating in the maritime mobile service and for stations operating in the maritime radiodetermination service which are set forth in Parts 81 and 83 of this chapter shall, except as otherwise specifically provided in this part, apply to stations of these services (including developmental stations) in the Alaska area so far as they are consistent with this part.

