FEDERAL COMMUNICATIONS COMMISSION

47 CFR Parts 1, 20, 74, 90, and 101

[PR Docket No. 92–235; FCC 97–61]

Private Land Mobile Radio Services

AGENCY: Federal Communications Commission.

ACTION: Final rule.

SUMMARY: The Commission has adopted a *Second Report and Order (Second R&O)* in PR Docket No. 92–235 which continues its efforts to develop a strategy for encouraging more efficient use of private land mobile radio (PLMR) spectrum below 800 MHz. In the *Report and Order* (*R&O*) in this docket, the Commission concluded that the PLMR bands below 800 MHz should be consolidated and competition should be introduced into the frequency coordination process. This *Second R&O* consolidates the twenty existing PLMR services into two broad service pools—Public Safety and Industrial/Business—with appropriate provisions for ensuring that the safety of the public will not be compromised. Additionally, the Commission adopts rules to allow centralized trunking, under certain conditions, in the shared bands below 800 MHz and implements a plan for protecting current low power operations in the 450–470 MHz band. Finally, the Commission addresses a Request for Temporary Relief filed by several public safety frequency coordinators.

EFFECTIVE DATE: October 17, 1997 except for the amendment to § 90.17(a) which will be effective April 17, 1997.

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SUPPLEMENTARY INFORMATION: This is a summary of the Commission's *Second Report and Order,* FCC 97–61, adopted February 20, 1997, and released March 12, 1997. The full text of this *Second Report and Order* is available for inspection and copying during normal business hours in the FCC Reference Center (Room 239) 1919 M Street, NW, Washington, DC. The complete text may be purchased from the Commission's copy contractor, ITS, Inc., 2100 M Street NW, Suite 140, Washington, DC 20037, telephone (202) 857–3800.

Summary of Second Report and Order

1. Our primary goal in this proceeding has been to address the increasing communications requirements of the private land mobile radio (PLMR) community by developing a strategy for encouraging more efficient use of PLMR spectrum below 800 MHz—*i.e.,* those PLMR Services within the 150–174 MHz, 421–430 MHz, 450–470 MHz, and 470–512 MHz bands. The *Report and Order* (60 FR 37152, July 19, 1995) in this docket served as a critical first step toward achieving this goal. In that decision, we adopted extensive rule changes to promote highly effective and efficient use of the PLMR spectrum and to facilitate the introduction of advanced technologies into the private mobile services. We also concluded that the PLMR Services must be consolidated and that competition should be introduced into the coordinator services for each service group. We stated that consolidation of the twenty PLMR service groups below 800 MHz would ''provide for more efficient allocation of the increased capacity created by the introduction of more efficient technology.''

2. By this *Second Report and Order,* we consolidate the twenty PLMR Services into two broad service pools, with appropriate provision for ensuring that the safety of the public will not be compromised. In addition, we resolve two other issues raised in conjunction with consolidation: (a) Whether to permit centralized trunking, and (b) how to implement the decision in the *R&O* to provide protection for current low power operations in the 450–470 MHz band. Additionally, we address a Request for Temporary Relief filed by several public safety coordinators. We have, generally, delayed the effective date of these rules until six months after publication in the **Federal Register** in order to provide coordinators sufficient time to implement consolidation. Today's action is the next critical step toward providing a regulatory framework which promotes efficient use of PLMR spectrum below 800 MHz.

3. This proceeding concerns PLMR frequencies in the bands below 800 MHz administered under part 90 of the Commission's rules (47 CFR part 90). The bands, in general, are: 150–174 MHz, 421–430 MHz, 450–470 MHz and 470–512 MHz. Under our current rules, these frequencies are divided into twenty separate radio services, grouped in four general categories: (1) Public Safety Radio Services (Local Government, Police, Fire, Highway Maintenance, Forestry-Conservation, and Emergency Medical Radio Services); (2) Special Emergency Radio Service; (3) Industrial Radio Services (Power, Petroleum, Forest Products, Film & Video Production, Relay Press, Special Industrial, Business, Manufacturers, and Telephone Maintenance Radio Services); and (4) Land Transportation Radio Services (Motor Carrier, Railroad, Taxicab, and Automobile Emergency Radio Services). The Radiolocation Service (47 CFR part 90, subpart F) is not listed, even though it has frequencies below 800 MHz, because it is not considered a PLMR Service.

4. In determining that consolidation of the twenty PLMR Services would best serve the public interest, we stressed that the intended purpose of consolidating radio services ''is to distribute assignments between low-use and high-use groups more evenly, to simplify interservice sharing procedures, to organize channel allocations that will enable licensees to more easily utilize advanced technologies, and to organize the services in such manner to achieve more efficient and flexible spectrum use.'' We also recognized the importance of different services, particularly Public Safety, and encouraged commenters to develop a plan that included a Public Safety pool. We further recommended that such a plan contain clear guidelines regarding the requirements for inclusion in such a Public Safety pool. We considered these guidelines necessary to prevent overcrowding and to maintain the integrity of critical functions of the users included within this pool. While we indicated that two to four broad categories, including one for Public Safety licensees, appeared reasonable, we deferred a final decision on the precise contours of consolidation to provide members of the PLMR community, including users, manufacturers, and frequency coordinators, with an opportunity to negotiate and submit a consensus consolidation proposal to the Commission. In providing this opportunity, we stated that if a consensus could not be reached, we would adopt a plan based on the record. That contingency has come to pass; no consensus was reached.

5. We also recommended that the PLMR community address other related issues, such as how to effectively introduce competition among frequency coordinators, whether a single coordinator or multiple coordinators should be authorized for public safety users, how the existing databases can be shared to ensure fair competition among all of the frequency coordinators, whether a national real-time data base to reflect frequency assignments can be created and used, and what approach should be taken to designate frequencies for low power use on a primary basis. We received twenty-eight comments, fourteen reply comments, and two

supplemental comments recommending or supporting a variety of consolidation plans and a number of *ex parte* submissions. In addition, the Industrial Telecommunications Association (ITA) submitted a proposed technical blueprint for consolidation (Blueprint). We placed this on Public Notice and received forty comments and nine reply comments in response.

6. The Commission also received a number of petitions for reconsideration requesting that we reconsider or clarify various rule changes adopted in the *R&O*. Several of the petitions raised issues related to consolidation. In our recent *Memorandum Opinion and Order* (*MO&O*) (62 FR 2027, January 15, 1997) addressing these petitions, we stated that we would address the issues related to consolidation when we adopted a specific consolidation plan. Finally, the Commission received a Request for Temporary Relief to permit the frequency coordinators for the Fire, Highway Maintenance, and Forestry-Conservation Radio Services to continue to coordinate frequencies that were formerly assigned to their respective pools as low power offset channels.

7. *Number of pools.* We received a wide range of recommendations in response to our call for a consensus plan on consolidation. The comments contain a range of choices, proposing consolidation of the PLMR Services into two to five pools. Those who propose specific plans all agree that there should be a separate pool for public safety services. Additionally, a number of commenters oppose consolidation in general, arguing that the current system should be retained.

8. After careful analysis, we have determined that a modified two-pool approach will best achieve the benefits of consolidation without compromising safety of the general public. A consolidation of all twenty PLMR services will significantly increase licensee flexibility to manage the spectrum more efficiently through access to additional spectrum and accommodation of advanced technologies. An additional benefit of PLMR service consolidation is that it should reduce administrative burdens on users as well as the Commission. We believe that the safeguards we are adopting for safety-related communications combined with the modifications to the frequency coordination process will adequately address the concerns raised by the proponents of three or more service pools.

9. This two-pool structure is also best in terms of increasing flexibility and spectrum efficiency by giving users access to a larger pool of frequencies. Further, the increased flexibility provided by a two-pool structure enhances the use of advanced technologies, such as trunking. For example, making additional spectrum available to licensees will allow public safety entities to more easily implement and use trunked systems to perform a number of their public safety functions. We believe that such a result is in the public interest because it will help improve public safety communication capabilities and reduce the costs of building and operating public safety communication systems.

10. A two-pool structure also reduces administrative and financial burdens on applicants. For example, this consolidation approach will eliminate the need to go through interservice sharing procedures in order to obtain authorization to operate on frequencies available in other radio services. This in turn allows users to get on the air sooner as well as saves them from having to pay more than one coordination fee.

11. Accordingly, we are adopting two pools—Public Safety and Industrial/Business—as the basic framework for the PLMR bands below 800 MHz. Frequencies that were in any of the Public Safety Radio Services will be combined in the new Public Safety Pool. Similarly, frequencies that were in any of the Industrial or Land Transportation Radio Services will be combined in the new Industrial/Business Pool. Further, we put frequencies in the 421–430 MHz band allocated for public safety use in three cities in the Public Safety Pool and those frequencies allocated for business and industrial/land transportation use in three cities in the Industrial/Business Pool. Frequencies in each of the two pools will be available to all eligibles in that pool, unless reserved for a specific function. We have listed the 470–512 MHz band in each pool rather than divide up the frequencies between the two pools. The Commission already consolidated the various pools in this band into one pool—the General Access Pool. Further, unlike our current approach to the other bands, where frequencies are allocated to a specific service or group of services, frequencies in the 470–512 MHz band are available to all eligibles on a first come, first served basis. Thus, it would be impossible to divide these frequencies into different pools.

12. Finally, we recognize that the fundamental changes to the PLMR Services below 800 MHz adopted herein cannot be implemented without a reasonable transition time. Accordingly, we will delay the effective date of the new pools and associated rules adopted in this proceeding until October 17, 1997.

13. *Eligibility—Public Safety Pool.* We believe that all of the six current Public Safety Radio Services, as well as the Special Emergency Radio Service, should be included in the Public Safety Pool. Any governmental entity will be eligible to use any Public Safety Pool frequency. Additionally, non-governmental entities that apply for frequencies that were previously available solely for public safety services shall obtain a statement of support from the governmental entity having legal jurisdiction over the area to be served. Including all the Public Safety Radio Services and the Special Emergency Radio Service in one pool will promote the development of wide-area (state and regional) trunked systems that, in turn, will save scarce resources. Further, it will promote interoperability by allowing all governmental entities as well as non-governmental entities involved in ensuring the safety of life (*e.g.*, hospitals, ambulance companies) to communicate with one another. To further promote interoperability, we suggest coordinators in this pool examine the benefits of using the consensus plan approach discussed herein for low power operations as a way to reserve channels for universal mutual aid. Finally, defining eligibility in this way is consistent with (1) the Commission's definition of public safety services in GEN Docket No. 87–112 (53 FR 1022, January 15, 1988), which established the Public Safety National Plan in the 821–824/866–869 MHz bands, and (2) the PSWAC's definition of public safety as specified in its *Final Report* [1] as well as the Commission's proposals in the *Notice of Proposed Rule Making* in WT Docket No. 96–86 (61 FR 25185, May 20, 1996).

14. An additional issue was raised by several public safety frequency coordinators with respect to entities in the Public Safety Pool. These coordinators are concerned that the reallocation of former low power offset channels in the *R&O* from the Fire, Forestry-Conservation, and Highway Maintenance Radio services to the Local Government Radio Service adversely affects the ability of users to access these channels and restricts the coordinators' abilities to recommend suitable channels. Specifically, non-governmental entities, such as volunteer fire departments and nature conservatories, who are currently

[1] *See* Final Report of the Public Safety Wireless Advisory Committee, September 1996, Volume 1, Section 1.18.

eligible in the Fire and Forestry-Conservation Radio Services respectively, are not eligible in the Local Government Radio Service and may suffer harm due to this reduction in available channels.

15. Pursuant to the rules adopted herein concerning consolidation, these non-governmental entities will be eligible for all frequencies in the public safety pool, including the low power offsets transferred from the Fire and Forestry-Conservation Radio Services to the Local Government Radio Service. However, since the rule amendments being adopted in this *Second R&O* will not take effect for six months, we are concerned that the identified entities could suffer harm if the Commission does not take more immediate action. Therefore, effective immediately, we are amending the eligibility requirements of the Local Government Radio Service to include non-governmental entities who are currently eligible in the Fire and Forestry-Conservation Radio Services. As under the previous rules, these non-government entities must obtain a statement of support from the governmental entity having legal jurisdiction over the area to be served. Such action will provide these non-governmental entities access to the spectrum they need to ensure the integrity of their communications systems.

16. This action is taken pursuant to section 553(d) of the Administrative Procedure Act (5 U.S.C. 553(d)) which permits an agency to implement a rule prior to thirty days after publication when the rule ''* * * relieves a restriction.'' Here, we find that this rule amendment will provide certain non-governmental entities the ability to access spectrum that they were able to prior to the effectiveness of the rules adopted in the Refarming R&O. Additionally, we note that pursuant to the consolidation rules being adopted herein, these non-governmental entities will be eligible for licensing on any frequency in the Public Safety Pool, upon the effective date of the consolidation rules, subject to a statement of support from the governmental entity having legal jurisdiction over the area to be served.

17. *Eligibility—Industrial/Business Pool.* The Industrial/Business Pool will be comprised of frequencies that were previously allotted to any of the Industrial or Land Transportation Radio Services, including the Business Radio Service. Anyone eligible in one of these radio services will be eligible in the new Industrial/Business Pool for any frequency in that pool unless specifically precluded. In this regard, we have adopted the eligibility criteria from the old Business Radio Service. Accordingly, anyone engaged in a commercial activity is eligible. Also, educational, philanthropic and ecclesiastical institutions are eligible.

18. We note that our consolidation of the Industrial and Land Transportation Services, including the Business Radio Service, into one pool—the Industrial/Business Pool, potentially may affect the current regulatory classification of the licensees in this pool. In the *Second Report and Order* in GN Docket No. 93–252 (59 FR 18493, April 19, 1994) (*CMRS Second Report and Order*), we examined the regulatory status of all existing mobile services to determine whether they were commercial mobile radio services (CMRS) or private mobile radio services (PMRS) under section 332 of the Communications Act of 1934, as amended (the Act).[2] In the *CMRS Second Report and Order*, we concluded that with the exception of the Business Radio Service, all Industrial and Land Transportation Services would be classified as PMRS under section 332(d)(3) of the Act. In the case of the Business Radio Service, however, we determined that the eligibility rules are sufficiently broad to render this service effectively available to a substantial portion of the public. Consequently, classification of Business Radio Service licensees depends on whether they meet the other two elements of the CMRS definition—operating a for-profit service and interconnected with the public switched network. As a result, we are concerned that by defining the eligibility for this consolidated pool in the same fashion as we did for the Business Radio Service, licensees (both current and future) on the old Industrial and Land Transportation frequencies (Industrial/Business Pool frequencies under consolidation) may now be deemed to offer service to a substantial portion of the public. Consequently, such licensees offering for-profit, interconnected service arguably could be classified as CMRS. Given that the rules we adopt today will not be effective for six months, we believe that the most prudent course of action is to defer resolution of this issue and fully address it in a future proceeding. In the context of this future proceeding, we will also examine the negative impact, if any, of such regulatory classification on the availability of frequencies to satisfy the communications needs of PLMR users.

[2] See Omnibus Budget Reconciliation Act of 1993, Pub. L. 103–66, Title VI, section 6002(b)(2)(A), 6002(b)(2)(B), 107 Stat. 312, 392 (1993).

19. *Interservice sharing.* Under the existing rules, there are provisions that allow entities establishing eligibility under one radio service to obtain a license for a frequency in another radio service under certain conditions (interservice sharing). Because we are eliminating the individual radio service categories and consolidating the PLMR Services into two pools, interservice sharing rules will no longer be necessary. Under consolidation, applicants will have the opportunity to apply directly for in-pool frequencies that were previously allocated to radio services other than their own. Accordingly, we will delete § 90.176.

20. The existing interservice sharing rules allow for sharing between radio services in the Public Safety Radio Services (group 1). The rules also permit sharing between the Special Emergency Radio Service and radio services in the Industrial and Land Transportation Radio Services (group 2). Sharing has not been permitted, however, between radio services in group 1 and group 2. While we believe that such sharing could increase flexibility, we do not think that it is appropriate to introduce interpool sharing at this time. Given the difficult logistics of consolidating twenty radio services into two pools, introducing additional requirements on the frequency coordinators could put undue pressures on the new two-pool system. Therefore, we will prohibit sharing between the Public Safety Pool and the Industrial/Business Pool, at least for the present time. We may revisit this issue once the consolidated system is running smoothly.

21. *Frequency Coordination.* In stating our intention to consolidate the PLMR Services, the Commission recognized that changes may have to be made in the current frequency coordination process. In the paragraphs below, we discuss changes in the coordination process in light of our decision to consolidate the PLMR Services into two pools. We recognize that additional changes may be necessary as we gain more experience with consolidation or if additional responsibilities are given to coordinators.

22. *Coordinators.* Allowing existing certified coordinators to continue their coordination functions will reduce confusion and help ensure that the public continues to receive access to vital services. Therefore, we certify current coordinators for the Public Safety Radio Services and the Special Emergency Radio Service as coordinators in the new Public Safety Pool. Similarly, we certify current coordinators in the Industrial and Land Transportation Radio Services as

coordinators in the new Industrial/Business Pool.

23. With respect to the Public Safety Pool, we generally agree with the commenters that at the present time, except as indicated below, applicants for a frequency in the new Public Safety Pool should be required to obtain coordination from the current recognized frequency coordinator for the specified frequencies.

24. We are taking a slightly different approach regarding frequencies that are currently assigned to the Local Government Radio Service. We will allow any coordinator currently certified in the Public Safety Radio Services to coordinate frequencies in the Local Government Radio Service. This action is taken for several reasons. Frequencies in the Local Government Radio service are used routinely by Police, Fire, Highway Maintenance, Forestry Conservation and Emergency Medical (governmental entities) eligibles for both non-emergency and emergency communications. For example, in many communities Local Government frequencies may be the principal fire or highway maintenance frequencies and part of a public safety communications plan for these services. Therefore, it would seem appropriate for the fire or highway maintenance coordinator (or other public safety coordinator if those frequencies are being used in another context) to be able to provide coordination for these frequencies if they are being used in a fire or highway maintenance communications system. Further, there are a large number of 450–470 MHz frequencies allocated to all the Public Safety Radio Services. Since these frequencies are available to all public safety entities (just like Local Government frequencies) any of the certified public safety coordinators may provide coordination. Thus, there is a coordination mechanism already in place to accommodate multiple coordinators where public safety frequencies are shared between public safety eligibles. Finally, this will introduce competition, to the extent possible, into this pool which, in turn, should result in lower coordination costs and better service to the public.

25. The integrity of the public safety services must be maintained without fail. Having each public safety coordinator continue to manage the same frequencies and have access to all of the current Local Government frequencies, will preserve much of the *status quo,* provide coordinators access to a greater number of frequencies with which to accommodate applicants, and permit applicants to apply directly for frequencies that were previously available only through interservice sharing procedures. Also, preserving the jurisdiction of the individual coordinators over their current spectrum, while expanding access to Local Government frequencies, will help ensure consistency with local, regional, and state public safety communications plans. This issue could be revisited in the future if a more integrated coordination system could be designed that would not impair public safety interests.

26. The Industrial/Business Pool does not present the same concerns as the Public Safety Pool. Therefore, except as discussed below, we will allow any in-pool coordinator to coordinate any frequency in the pool. As a direct result of this action, we believe that further competition will be introduced into the frequency coordination process. This, in turn, should result in lower coordination costs and better service to the public. For example, we believe market forces will reduce the time it takes to obtain a coordination thereby allowing users to get on-the-air quicker. Further, the concept of allowing applicants the opportunity to select among multiple coordinators is not unique among Part 90 users. Before the band was reallocated, applicants for conventional and trunked systems on General Category frequencies had the option of seeking frequency coordination from any of three frequency coordinators certified to recommend 800 MHz frequencies.

27.We recognize that within the Industrial/Business Pool, some types of radio users employ radio not just for day-to-day business needs but also to respond to emergencies that could be extremely dangerous to the general public. We believe maintaining the integrity of spectrum used for such public safety purposes is extremely important and using coordinators who are knowledgeable with such special communication needs is the best way to protect these systems.

28. Therefore, for the time being, entities who apply for frequencies which are currently allocated solely to the Railroad, Power, or Petroleum Radio Services must obtain coordination from the current certified frequency coordinator for the respective service. We expect, however, that these coordinators will make every effort to accommodate all applicants on these frequencies, regardless of the type of business they conduct. We believe that using coordinators who are knowledgeable with such special communication needs is the best way to protect these operations, which involve safety-related communications, and outweighs any potential benefits that may be gained through a competitive frequency coordination process. For frequencies in the Railroad, Power, or Petroleum Radio Services that are also allocated to another radio service, however, entities may utilize the services of any certified frequency coordinator in the Industrial/Business Pool. The alternative would be to require entities in the radio services where the frequencies are shared to go through a different coordinator than they do now. We may revisit this issue once we obtain more experience with the new coordination system or when we address the issue of exclusivity raised in the Further Notice of Proposed Rule Making (60 FR 37148, July 19, 1995) in this docket.

29. *Technical Coordination Procedures.* The consolidation of the PLMR services and the introduction of multiple coordinators raise concerns of unfair coordinations and coordinator shopping. We believe that a minimum set of technical coordination procedures to which all frequency coordinators must adhere is the least burdensome method of providing all members of the PLMR community with confidence that all new and existing radio systems will be adequately protected from interference. A minimum set of coordination procedures will also alleviate concerns of coordinator shopping. Rather than establish specific procedures at this time, however, we believe that the coordinators should attempt to reach consensus themselves on the applicable coordination procedures. We understand that this process takes time. In this regard, we note the efforts of Telecommunications Industry Associations (TIA) Working Group 8.8 (WG 8.8), which has been developing technical procedures for the frequency coordination process. Given the progress of the TIA WG 8.8 and the potential harm that could befall clients' systems from a lack of technical coordination procedures we are confident that the frequency coordinators will reach an agreement on such procedures quickly.

30. *Data exchange.* Under the current PLMR Service structure, there has been little need for frequency coordinators to share detailed information about applicants' systems with other coordinators. Under the consolidated pool approach, however, commenters have indicated a need to establish a system for information exchange, but disagree on how this should best be achieved. For example, UTC recommends that coordinators in each pool devise a means of exchanging data

either through a real-time method, using a shared database, or by providing notice, by facsimile or E-Mail, with a limited opportunity for response provided. Other coordinators state that a common database has to be established and maintained to ensure that applications, once submitted, are not in conflict with other applications being submitted at the same time. The Joint Pool, however, also expresses opposition to developing a national database noting that the complexity of such an undertaking would involve coordinating a substantial number of parties in order to include information that is necessary and relevant to the coordination process. It contends that electronic transmitting and receiving of frequency notifications is preferable to establishing a national coordinators' database.

31. We agree with the commenters that a real-time common coordinator database may be desirable. Such a resource could be an ideal method for coordinators to share data and maintain up-to-date records of all frequency recommendations so that they can avoid coordinating multiple applications for the same channel, in the same area, at approximately the same time. We also recognize, however, that implementing a real-time common database would require extensive time, expense, and testing to perfect and that there may be other less costly and less complex methods to ensure that all necessary data is exchanged in a timely manner. Therefore, at this time, we will leave the issue of whether to use a real-time common database to perform their coordination duties to the coordinators' discretion. We believe that they are in the better position of determining what will allow them to perform such duties in an efficient effective, and expeditious manner. Coordinators may select to develop their own common database to make frequency recommendations, use the Commission's data base, or use the services of a third party. We note that copies of the Commission's database are available through the National Technical Information Service. Further, the Commission provides on-line access to its PLMR Service database through a third party contractor and puts license grant information on the Internet. Any disputes that arise due to inconsistencies or discrepancies in the records of different coordinators, however, will be resolved using the Commission's database.

32. Although we are not requiring that a common database be implemented at this time, the need to share accurate and timely coordination information with all in-pool coordinators still exists. Without such information, frequency coordinators would not know what other in-pool coordinators are doing and could make conflicting coordinations. Therefore, coordinators must provide notification of all frequency recommendations within one business day of making such recommendations to every certified in-pool coordinator that is also certified to coordinate that frequency. Additionally, on frequencies that are shared between both the Public Safety and Industrial/Business Pools, coordinators must notify all coordinators of frequency recommendations. We believe this notification requirement is extremely important to the consolidation process. Notification will not only improve the speed and quality of recommendations, but it will also encourage and facilitate the cooperation between in-pool coordinators that is so important to the success of the overall coordination process. We believe a one-day notification period is a good compromise between the need to provide information to coordinators quickly to minimize the chance of conflicting coordinations and the need to minimize burdens on the coordinators. Additionally, notification must be made to all in-pool coordinators at approximately the same time. At a minimum, each notification must include: name of applicant, frequency or frequencies recommended, antenna height, antenna locations, type of emissions, effective radiated power, a description of the service area, and the time the recommendation was made. To safeguard this system, we will require that each coordinator communicate at least once each business day with each other in-pool coordinator. Therefore, on days in which no coordinations are made, notification is still required. Coordinators, if they desire, are free to include additional information such as more data or a list of rejected coordination requests with their notifications.

33. In addition to notification of basic information on frequency recommendations, coordinators, in certain cases, may need more detailed information in order to perform engineering analyses. Therefore, each coordinator must supply, upon request, within one business day, any additional information requested regarding a pending coordination that it processed. Of course, coordinators are free to provide this information in their routine notifications if they so desire.

34. Another issue raised in the comments was the question of concurrence. Given the requirement to establish standard coordination procedures, we believe requiring concurrence would be redundant. Further, it could have a negative impact on our efforts to increase the quality of customer service through competition. Nevertheless, we are concerned that under the approach described herein applicants could start transmitting prior to other in-pool coordinators being notified. While we want the licensing process to be as quick as possible and believe that such situations will rarely occur, we believe all affected coordinators should be aware of a proposed operation before the entity can start transmitting. Therefore, we will amend § 90.159 to institute a mandatory waiting period of ten business days before applicants can begin transmitting pursuant to temporary and conditional authorization.

35. We believe that the procedures outlined above will prevent the filing of conflicting applications. However, we realize that the one-day period between when a frequency recommendation is made and other coordinators are notified could still result in a small number of conflicting applications. In these instances, it is the joint responsibility of the applicable coordinators to take action necessary to resolve the conflict, up to and including notifying the Commission that an application may need to be returned. The coordinators are in the best position to recognize and expediently resolve such conflicts. Additionally, we believe that each coordinator should have some responsibility to help resolve problems related to their recommendations. The Commission will become involved only if the coordinators cannot agree to a solution.

36. As discussed above, coordinators will be responsible for providing other coordinators certain information within a specified time frame. We are confident, based on past experience, that coordinators will meet these requirements. However, as we have noted in the past when giving responsibility to coordinators, the Commission may, on its own motion, or at the public's request conduct an inquiry into a particular coordinator's performance. After any such investigation we will determine whether decertification or other action is warranted.

37. *Coordinator authority.* Currently, frequency coordinators have the authority to request additional information from applicants requesting coordination if they believe that such information is needed to make proper frequency recommendations. The Land Mobile Communications Council (LMCC) in its petition for

reconsideration requests that we (1) amend § 90.175 to provide specific authority for coordinators to request all appropriate technical information, system requirements, and justification for requested station parameters from applicants; (2) indicate that applicants bear the burden of proof in overturning the recommendations of a certified frequency coordinator; and (3) state that frequency coordinators may recommend appropriate changes to the parameters of previously licensed stations, or take other appropriate measures that will help to minimize harmful interference or remedy incompatible adjacent channel or co-channel operations.

38. In the *R&O,* the Commission stated that coordinators may request additional information from the applicant when such information is needed for the coordinator to make a proper frequency recommendation. The Commission also noted in that same proceeding that, in the event of a dispute between the coordinator and an applicant, the applicant will have the burden of proof and persuasion in overturning the coordinator's recommendation. While we consider this to be our present policy, in order to eliminate any confusion we will amend § 90.175 to specify this authority. With respect to LMCC's other suggestion, coordinators, as well as anyone else for that matter, can always make recommendations concerning minimizing interference. We see no reason to state this explicitly in our rules.

39. *Trunking in the PLMR Bands Below 800 MHz.* In the Notice of Proposed Rule Making (56 FR 31097, July 9, 1991) in this proceeding we proposed to allow centralized trunking (''trunking'') in the 150–174 MHz and 421–512 MHz bands in those areas where exclusivity is recognized by the Commission, or where all co-channel licensees concur. Although the comments on this issue supported allowing centralized trunking, we did not adopt rules since the Further Notice of Proposed Rule Making (Further NPRM) (60 FR 37148, July 18, 1995) in this docket addressed the issue of exclusivity.

40. Trunked systems will allow PLMR licensees to construct systems which are more efficient than conventional systems, thereby allowing licensees to use fewer channels to provide the same communications capability. Therefore, rather than defer the issue until we reach a decision on exclusivity, we believe the public will benefit by allowing trunking on frequencies below 800 MHz now, provided certain conditions are met.

41. To allow trunking to work effectively and efficiently in the PLMR shared bands, we are adopting rules similar to those adopted for interconnection of PLMR stations with the Public Switched Network. We will permit licensees to implement centralized trunked systems in the 150–174 MHz, 421–430 MHz, 450–470 MHz, and 470–512 MHz bands, provided that they (1) obtain the consent of all licensees whose service areas overlap a circle with a radius of 113 km (70 mi) from the trunked system's base station and whose operating frequency is 15 kHz or less removed from the operating frequency of a trunked system designed to operate on 25 kHz channels or 7.5 kHz or less removed from a 12.5 kHz trunked system or 3.75 kHz or less removed from a 6.25 kHz trunked system; and (2) comply with all frequency coordination requirements. Statements stipulating the terms of such agreements must be forwarded to the applicable frequency coordinator and the Commission as an attachment to the license application or modification. In the Further NPRM, we proposed that PLMR licensees be able to obtain some form of exclusivity in their respective service areas. If such rules are adopted, licensees would be able to implement trunked systems in these exclusive areas, provided that they modify their license to show such operation.

42. In areas where licensees implement trunking, new licensees can be assigned the same channel(s) as the trunked system if the new licensee reaches a mutual agreement with the licensee(s) operating the trunked system. If a licensee who previously consented or agreed to participate in a trunked system later decides against this use, and that licensee is unable to negotiate a mutual agreement with the operator(s) of the trunked system, that licensee may request that the Commission reassign it to another channel. This approach provides licensees with maximum flexibility in the operation of their systems while assuring that the use of centralized trunking will not detrimentally impact the operation of another licensee's system.

43. *Low Power Frequencies.* To encourage more efficient use of the available spectrum, the Commission permitted all eligible users in the 450–470 MHz band to be licensed for low power operations (*i.e.*, not to exceed 2 watts) on a secondary non-interference basis on frequencies offset 12.5 kHz from regularly assignable frequencies (''offset channels''). Since that time, these channels have been heavily used for certain low power operations such as medical telemetry and remote operation of heavy machinery. Under the new channel plan adopted in the *R&O,* these channels are no longer considered offset channels. Rather, they are regularly assignable channels available for high power operations on a primary basis. We have previously recognized, however, that there is a continuing need for low power operation and provided frequency coordinators with the authority to designate specific channels for low power use. Additionally, we suggested that frequency coordinators exercise this authority in conjunction with the formulation of a consolidation plan. Finally, the Commission provided low power licensees with the option of staying on their currently licensed channel or moving to a coordinator-designated low power frequency and obtaining primary status. Due to the uncertainty surrounding consolidation of the PLMR Services, coordinators have been reluctant to designate any channels specifically for low power use before a Commission decision on consolidation. On August 11, 1995, at the request of HP, the Commission froze applications requesting power in excess of that previously permitted on the offsets until such time as the issues relative to consolidation and/or the designation of low power frequencies are resolved.

44. *Designated Channels.* We understand the reluctance, to date, of coordinators to designate specific channels for low power use. At the same time, however, we believe it is vitally important for the PLMR community to address the issue of low power channels as soon as possible. Would-be licensees of offset channels cannot apply to use these channels for high power operations because of the current licensing freeze, and low power users want assurance that they will be protected from interference by high powered operations before switching channels. Accommodating these competing interests while establishing a workable low power frequency plan is not a trivial matter. In major metropolitan areas, the demand for both high power and low power operations exceeds the number of frequencies available. Moreover, it is highly likely that such high power and low power needs will vary based on geographic location. In this connection, we believe that the coordinators will need some time to analyze the current use patterns of these offset channels and determine a compromise solution between the two types of operations. Therefore, in accordance with the recommendation of LMCC, we will give the coordinators in each of the two pools six months from

publication of this *Second Report and Order* in the **Federal Register** to develop a consensus plan for low power operations in their respective pools.

45. HP recommended that we codify the basic aspects of the plan fashioned by the coordinators. In the *R&O,* we delegated to the frequency coordinators the authority to designate low power frequencies; our decision was not to specify such frequencies in the rules. We continue to believe that this approach provides the frequency coordinators, who have knowledge of user requirements and local conditions, with maximum flexibility in the management of the PLMR spectrum. Further, this allows frequencies to be easily added or subtracted from the designated list as may be warranted. We find nothing in the record at this time that persuades us to change this approach. Further, consistent with this approach, we will leave it up to the coordinators whether to designate contiguous spectrum or to specify individual channels (non-contiguous spectrum) for low power operations. Low power operation on the designated channels will be protected through coordination and the Commission's licensing process. As specified in the *R&O,* frequency coordinators will be required to maintain a list of low power channels and make it available to the public upon request. We encourage the frequency coordinators to periodically review the low power channel plan and modify it when appropriate. If a consensus regarding the establishment of a low power channel plan cannot be reached, we will revisit this issue.

46. *Time Frame for Migration.* In addition to its recommendation that the frequency coordinators be given six months to determine which channels should be designated for low power use, LMCC recommends several steps to ensure that the migration of low power users from their current channels to these new designated channels occurs smoothly. These suggested measures include (1) low power offset licensees being given six months to declare their intent to convert to primary status by either registering their coordinates or by modifying their license to operate on the designated low power channels; and (2) providing seven months for offset licensees to migrate to the designated channels. We agree with LMCC that low power users should be able to attain primary status on these offset channels if they so desire by modifying their licenses to specify transmitter coordinates so that frequency coordinators know the location of such systems and can take them into account when making frequency recommendations. In this connection, we will confer primary status on licensees operating on the former low power offset channels that already have provided their coordinates to the Commission. These licensees should notify the Commission at the time of their license renewal that they are operating in this manner. This will give offset licensees the flexibility to remain on their current licensed frequency or change to a new low power frequency. Because these channels are available for high power operation, however, licensees that remain on their current licensed frequency may have to share it with a new high power user. Therefore, we expect that the majority of low power users will be inclined to migrate to the new low power channels once they are identified in order to reduce the chance of interference from co-channel high powered operations.

47. Further, contrary to LMCC's contention, we do not believe that low power users should be required to declare their intent to migrate to low power channels or modify their license to obtain primary status within a certain time frame. We believe the decision whether or not to migrate or obtain primary status is a business decision and best left up to individual licensees to make within their own time frame according to their individual requirements. Additionally, because the designated channels, in some cases, may be the same channels that many low power users are already using, licensees would not be able to make informed decisions regarding migration until channels are designated. Therefore, we decline to require current low power users to declare their intent to migrate to dedicated low power channels or modify their license to obtain primary status by a certain date.

48. We do agree, however, with LMCC's suggestion to give licensees on the low power channels a chance to migrate before licensing high power operations on these channels. The PLMR community believes seven months is a reasonable amount of time for offset licensees to decide whether to switch to new low power channels. Therefore, in this connection, we will provide a period of seven months for low power users to migrate to new low power frequencies. Additionally, concurrent with the end of this migration period we note our intention to lift the current licensing freeze in the 450–470 MHz band and allow new high power systems to be licensed on any former 12.5 kHz offset channel not specifically designated for low power use. We will not lift the freeze, however, if a consensus plan has not been established. In the interim, we will grant partial relief and permit the licensing of high power systems on these channels, provided that the license applications are accompanied by a statement from the frequency coordinator attesting that operation of a new high powered system will not impact any currently operating co-channel low power system. If interference to a low power system from a high power operator using the offset frequencies does occur prior to the end of the migration period, the high power licensee will be expected to remedy the situation through any means possible, including shutting its system down.

49. In a related matter, PCIA, in its petition for reconsideration, recommends that we allow a six-month transition period for low power licensees to migrate to new low power channels before accepting any new low power applications on the designated channels. We will not adopt such a policy. We believe that it is not in the public interest to keep applicants, especially those who propose to operate in a highly efficient manner (*i.e.,* with low power), from obtaining licenses on designated low power channels. Additionally, because low power systems have small operating areas, we believe that there should be enough frequencies to accommodate all current and prospective low power licensees.

50. Finally, in its petition for reconsideration, Florida predicts a windfall for frequency coordinators and asks the Commission to reconsider the financial impact of this migration on existing licensees. We acknowledge that coordinators will collect fees from low power licensees when they apply to modify their systems to operate on the dedicated low power frequencies. In light of this, we encourage the coordinators to develop a reasonable fee schedule to reflect the relative ease of this type of coordination as compared to coordinating new high power stations.

51. *Conclusion.* This *Second Report and Order* represents a significant step in the evolution of the private land mobile radio services. With its adoption, we are consolidating the PLMR services into two service pools—Public Safety and Industrial/Business—while protecting critical safety related communications and providing benefits that are not realizable under the current system. We are also incorporating regulatory changes to the frequency coordination process to provide PLMR users with increased choices and flexibility. These changes reflect a comprehensive restructuring of the PLMR regulatory environment and will promote the highly effective and efficient use of PLMR spectrum and

contribute to an environment in which advanced technologies will thrive.

Final Regulatory Flexibility Analysis

52. As required by the Regulatory Flexibility Act, 5 U.S.C. 603 (RFA), Initial Regulatory Flexibility Analyses (IRFA) were incorporated in the *Notice of Proposed Rule Making* and the *Further Notice of Proposed Rule Making* in PR Docket 92–235.[3] The Commission sought written public comments on the proposals in the *Refarming Notice* and *Further Notice*, including on the IRFA. The Commission's Final Regulatory Flexibility Analysis (FRFA) in this *Second Report and Order (Second R&O)* conforms to the RFA, as amended by the Contract With America Advancement Act of 1996.[4]

I. Need for and Objective of the Proposed Rule

53. Our objective is to increase spectrum efficiency and facilitate the introduction of advanced technologies into the 150–174 MHz, 421–430 MHz, 450–470 MHz, and 470–512 MHz private land mobile radio (PLMR) bands. *The Report and Order* in this proceeding modified the Commission's rules to resolve many of the technical issues which inhibited the use of spectrally efficient technologies in these frequency bands. It also stated the Commission's intent to consolidate the twenty existing radio service pools. *The Further Notice* in this proceeding proposed several methods of introducing market based incentives into the PLMR bands, including exclusivity. This *Second R&O* consolidates the radio service frequency pools, and addresses related issues such as frequency coordination, trunking, and low power frequencies.

54. We find that the potential benefits to the PLMR community exceed any negative effects that may result from the promulgation of rules for this purpose. Thus, we conclude that the public interest is served by modifying our rules to consolidate the PLMR services and increase the spectral efficiency of the PLMR bands.

II. Summary of Significant Issues Raised by the Public Comments in Response to the Initial Regulatory Flexibility Analysis

55. No comments were submitted in direct response to the IRFA. We have, however, reviewed general comments that may impact small businesses.

56. Much of the impact on small businesses arises from the central decision in this proceeding—the number of frequency pools. Commenters submitted proposals which ranged from keeping the current system in place to consolidating to two pools. This affects small businesses in the following way. A smaller number of pools provides a greater number of frequencies available for small business to use to meet their coordination needs. Additionally, by creating fewer pools, frequency coordinators will now have to compete, thus small business that use PLMR systems could expect to pay lower prices for frequency coordination and receive better service. Finally, consolidating the PLMR services provides each frequency coordinator, who currently only provides service for a narrowly defined type of user, with the ability to expand its business base.

III. Description and Estimate of the Number of Small Entities Subject to Which the Rules Apply

57. The rules adopted in this *Second Report and Order* will apply to small businesses that choose to use radios that operate in the PLMR bands below 512 MHz and to small businesses that are designated as certified frequency coordinators in these bands. There are no Commission imposed requirements, however, for any entity to use these products.

Estimates for PLMR Licensees

58. Private land mobile radio system serve an essential role in a vast range of industrial, business, land transportation, and public safety activities. These radios are used by companies of all sizes operating in all U.S. business categories. Because of the vast array of PLMR users, the Commission has not developed nor would it be possible to develop a definition of small entities specifically applicable to PLMR users. For the purpose of determining whether a licensee is a small business as defined by the Small Business Administration (SBA), each licensee would need to be evaluated within its own business area.

59. Because the Regulatory Flexibility Act amendments were not in effect until the record in this proceeding was closed, the Commission was unable to request information regarding the number of small entities that are private land mobile radio licensees. Therefore, the Commission is unable at this time to determine the number of small businesses which could be impacted by the rules. However, the Commission's fiscal year 1994 annual report indicates that at the end of fiscal year 1994 there were 1,101,711 licensees operating 12,882,623 transmitters in the PLMR bands below 512 MHz.[5] Further, because any entity engaged in a commercial activity is eligible to hold a PLMR license, these rules could potentially impact every small business in the U.S.

60. The RFA also includes small governmental entities as a part of the regulatory flexibility analysis.[6] The definition of a small governmental entity is one with a population of less than 50,000.[7] There are 85,006 governmental entities in the nation.[8] This number includes such entities as states, counties, cities, utility districts, and school districts. There are no figures available on what portion of this number has populations of fewer than 50,000. However, this number includes 38,978 counties, cities, and towns, and of those, 37,566, or 96 percent, have populations of fewer than 50,000.[9] The Census Bureau estimates that this ratio is approximately accurate for all governmental entities. Thus, of the 85,006 governmental entities, we estimate that 96 percent, or 81,600 are small entities that may be affected by our rules.

Estimates for Frequency Coordinators

61. Neither the Commission nor the SBA have developed a definition of small entities specifically applicable to spectrum frequency coordinators. Therefore, we conclude that the closest applicable definition under SBA rules is Business Associations (SIC 8611). The SBA defines a small business association as an entity with $5.0 million or less in annual receipts. There are 18 entities certified to perform frequency coordination functions under Part 90 of our rules. However, we are unable to ascertain how many of these frequency coordinators are classified as small entities under the SBA definition. The Census Bureau indicates that 97%

[3] Replacement of part 90 by part 88 to Revise the Private Land Mobile Radio Services and Modify the Policies Governing Them, PR Docket 92–235, *Notice of Proposed Rule Making,* 7 FCC Rcd 8105 (1992) (*Refarming NPRM*); Replacement of part 90 by part 88 to Revise the Private Land Mobile Radio Services and Modify the Policies Governing Them and Examination of Exclusivity and Frequency Assignments Policies of the Private Land Mobile Radio Services, PR Docket No. 92–235, *Report and Order and Further Notice of Proposed Rule Making,* 10 FCC Rcd 10076 (1995) (*Report and Order or Further NPRM*).

[4] Pub. L. 104–121, 110 Stat. 847 (1996) (CWAAA). Title II of the CWAAA is ''The Small Business Regulatory Enforcement Fairness Act of 1996'' (SBREFA), codified at 5 U.S.C. 601 *et seq.*

[5] See Federal Communications Commission, 60th Annual Report, Fiscal Year 1994 at 120–121.

[6] See 5 U.S.C. 601(5) (including cities, counties, towns, townships, villages, school districts, or special districts).

[7] *Id.*

[8] 1992 Census of Governments, U.S. Bureau of the Census, U.S. Department of Commerce.

[9] *Id.*

of business associations have annual receipts of $4.999 million or less and would be classified as small entities. The Census Bureau category is very broad, and does not include specific figures for firms that are engaged in the coordination of spectrum frequencies. Therefore, for the purposes of this regulatory flexibility analysis, we estimate that almost all of the 18 spectrum frequency coordinators are small as defined by the SBA.

IV. Description of Projected Reporting, Recordkeeping, and Other Compliance Requirements of the Rules

62. The rules adopted in this *Second R&O* do not have any general reporting or recordkeeping requirements for PLMR licensees. There is, however, one compliance requirement. Applicants for new or modified PLMR stations will be required to wait ten days prior to commencing operation pursuant to conditional authority. Such a waiting period is necessary to ensure that all in-pool frequency coordinators are notified regarding the proposed system before the applicant starts transmitting. While we want the licensing process to be as quick as possible, we believe all affected coordinators should be aware of a proposed operation before an applicant commences transmitting. Regarding this issue, many commenters identify a need for a mandatory concurrence period.[10] Other commenters argue that a mandatory concurrence period is unnecessary.[11] Rather than a mandatory concurrence period, which we believe could prolong the licensing process, thereby affecting small businesses, we believe the adopted waiting period will accomplish the same goal of providing a method for coordinators to ensure that existing radio systems will not suffer harmful interference from new or modified systems.[12]

63. Additionally, in the specific instances where licensees want to construct a centralized trunking rather than a traditional system, they must obtain concurrence from nearby affected users and forward such agreements to the applicable frequency coordinator and the Commission as an attachment to the license application form, FCC Form 600. Because of the fundamental differences between trunked and traditional systems, such action is necessary in order to avoid a licensee from causing harmful interference to other nearby licensees, many of which may be small businesses.

64. There are several reporting, recordkeeping, and compliance requirements applicable to the Commission certified PLMR frequency coordinators. These new requirements are necessary to ensure that each frequency coordinator has access to the information necessary to perform competent frequency coordinations for their customers.

(1) Because several frequency coordinators will now be able to recommend frequencies within a common frequency pool, each needs to know the recommendations of each of the other frequency coordinators. Such information is necessary to avoid situations where harmful interference is created because two or more coordinators recommend the same frequency in the same area at approximately the same time to different applicants. Therefore, we are requiring each frequency coordinator to provide, within one business day, a listing of their frequency recommendations to all other frequency coordinators in their respective pool. In this connection, we believe that the importance and need for a current and accurate accounting of frequency recommendations outweighs the burden, if any, on small coordinators. Because coordinators are already required to share information when invoking the interservice sharing rules of our current rules,[13] each should already have a system in place for such data exchange. Additionally, we believe that the greater harm could occur to small business that are PLMR licensees. Without such data exchange, these licensees' systems could be in danger of receiving harmful interference which would endanger their business operations. The Commission did not receive any specific comments regarding the one-day notification requirement. However, the Commission did receive comments regarding the need for notification.[14]

(2) In some instances, frequency coordinators need to perform engineering analyses to determine if an applicant's proposed radio system is feasible. A coordinator may need detailed information on systems coordinated by other coordinators in order to perform such an analysis. Therefore, we are requiring that each coordinator provide, upon request, within one business day, information requested by another coordinator regarding a pending coordination.

(3) To ensure that applicants have access to reliable and competent frequency coordination services regardless of which coordinator they choose to use, we have determined that some minimum technical standards to which each coordinator must adhere need to be established. We are requiring the coordinators to achieve a consensus on such standards within six months of the publication of this Second *R&O* in the **Federal Register**.

(4) In the *Report and Order*, the Commission provided frequency coordinators with the authority to designate channels for the exclusive use of low power systems. Coordinators have been reluctant to designate such channels due to uncertainty regarding consolidation. Now that the framework for the frequency pools has been established, we are providing six months from the publication of this Second *R&O* in the **Federal Register** for the frequency coordinators to achieve a consensus plan for low power channels.

V. Steps Taken by Agency to Minimize Significant Economic Impact on Small Entities Consistent With Stated Objectives

65. The Commission provided the PLMR community with an opportunity to meet and develop a consensus position on this issue as an alternative to the Commission's adoption of final rules for consolidation of the PLMR radio services. Unfortunately, a consensus was not reached, therefore this *Report and Order* balances the competing interests.

66. The Commission, in this *Second R&O*, has considered comments regarding its plans to consolidate the PLMR radio services below 512 MHz and those related comments filed pursuant to proposals discussed in the *Further NPRM*. In doing so, the Commission has adopted several proposals which minimize burdens placed on small entities. First, the Commission has adopted a two pool consolidation plan which will provide more frequency options to entities than the current frequency pool structure and structures based on more than two pools. The increase in frequency choices will provide a greater likelihood that licensees, including small entities, will share frequencies with fewer systems enabling them to achieve more efficiency in their radio systems. Second, by adopting a two pool approach, we are able to eliminate the interservice sharing rules in § 90.176 of

[10] See Coalition *ex parte* filing of December 20, 1996 in which it states that a concurrence period of ten to twenty days is necessary for in-pool coordinators to object to a specific frequency recommendation. This view is supported by several other commenters. *See, e.g.,* UTC Comments to Blueprint at 13.

[11] See PCIA Comments to Blueprint at 7–8; ITA *ex parte* filing of January 6, 1997.

[12] ITA supports this ten day waiting period. *See* ITA Reply Comments to Blueprint at 11–12.

[13] See 47 CFR 90.176.

[14] See, *e.g.,* Joint Pool Comments at 10–11; UTC Comments at 12.

our rules. Currently, entities who want to use frequencies in a pool other than the one in which they are eligible must invoke these rules and usually are required to pay a frequency coordination fee to the coordinator for their pool and a fee to the coordinator for the pool in which they want to share a frequency. Because entities will now have direct access to all frequencies in their respective pool, this *Second R&O* eliminates the need for an entity to pay more than one frequency coordination fee for any radio system. Third, because this *Second R&O* provides for competitive frequency coordination in the Industrial/Business Pool, license applicants should expect a reduction in frequency coordination fees and/or an increase in the level of service. Fourth, under the adopted frequency pool structure, all frequency coordinators will be certified to coordinate frequencies in the pool in which the pool that they previously coordinated is placed. This will minimize confusion and ease the transition process from the current radio service structure to the new consolidated frequency pool structure. Fifth, in order to ensure a smooth transition to the consolidated frequency pools, we are providing a period of six months for entities to implement the rule changes adopted in the *Second R&O*. Sixth, rather than requiring the frequency coordinators to establish and maintain a common real time database, we are only requiring that they share certain information among themselves. Requiring the development of a common database would be a complex, costly, and time consuming endeavor. Seventh, while we are requiring the sharing of certain data, we are not specifying the method by which this data should be shared. Each frequency coordinator may choose any method that fulfills its requirements with respect to speed, cost, and quality. Eighth, we are providing a method by which licensees can implement a centralized trunking system. Because such systems are more efficient than traditional systems, licensees who implement centralized trunking may be able to achieve the same amount of communications as they currently do with fewer channels.

VI. Report to Congress

67. The Commission shall send a copy of this Final Regulatory Flexibility Analysis, along with the *Second Report and Order*, in a report to Congress pursuant to the SBREFA.[15] A copy of this FRFA will also be published in the **Federal Register**.

[15] *See* 5. U.S.C. 801(a)(1)(A).

List of Subjects

47 CFR Part 1

Administrative practice and procedure.

47 CFR Parts 20, 74, 90, and 101

Communications equipment, Radio.

Federal Communications Commission

William F. Caton,

Acting Secretary.

Rule Changes

Parts 1, 20, 74, 90, and 101 of Chapter I of Title 47 of the Code of Federal Regulations is amended as follows:

PART 1—PRACTICE AND PROCEDURE

1. The authority citation for part 1 continues to read as follows:

Authority: 47 U.S.C. 151, 154, 303, and 309(j) unless otherwise noted.

2. Section 1.952 is amended by revising paragraph (b) to read as follows:

§ 1.952 How file numbers are assigned.

* * * * *

(b) File number symbols and service or class of station designators:

Amateur and Disaster Services

Y—Amateur
D—Disaster
R—Races

Aviation Services

A—Aeronautical and fixed group
AA—Aviation auxiliary group
AR—Aviation radionavigation land
AC—Civil Air Patrol

Personal Radio Service

CA—General Mobile Radio Service
ZA—General Mobile Radio Service
ZV—Interactive Video and Data Service

Marine Services

MK—Alaskan group
M—Coastal group
MA—Marine auxiliary group
MR—Marine radiodetermination land

Microwave Services

OF—Private Operational-Fixed Microwave

Radiolocation Service

RS—Radiolocation

Land Mobile Services below 800 MHz

IG—Conventional Industrial/Business Pool
PW—Conventional Public Safety Pool
YG—Trunked Industrial/Business Pool
YW—Trunked Public Safety Pool

800 MHz Services

GB—Conventional Business
GO—Conventional Industrial/Land Transportation
GP—Conventional Public Safety/Special Emergency
GX—Conventional Commercial (SMRS)
YB—Trunked Business
YO—Trunked Industrial/Land Transportation
YP—Trunked Public Safety/Special Emergency
YX—Trunked Commercial (SMRS)

900 MHz Paging Services

GS—Private carrier paging systems

PART 20—COMMERCIAL MOBILE RADIO SERVICES

1. The authority citation for part 20 continues to read as follows:

Authority: Secs. 4, 303, and 332, 48 Stat. 1066, 1082, as amended; 47 U.S.C. 154, 303, and 332, unless otherwise noted.

2. Section 20.3 is amended by revising paragraph (b) of the definition for Private Mobile Radio Service to read as follows:

§ 20.3 Definitions.

* * * * *

Private Mobile Radio Service. * * *

(b) Mobile radio service offered to restricted classes of eligible users. This includes entities eligible in the Public Safety Radio Pool and Radiolocation service.

* * * * *

3. Section 20.9 is amended by revising paragraph (a)(2) to read as follows:

§ 20.9 Commercial mobile radio service.

(a) * * *

(2) Stations that offer Industrial/Business Pool (§ 90.35 of this chapter) eligibles for-profit, interconnected service.

* * * * *

PART 74—EXPERIMENTAL RADIO, AUXILIARY, SPECIAL BROADCAST AND OTHER PROGRAM DISTRIBUTIONAL SERVICES

4. The authority citation for part 74 continues to read as follows:

Authority: Secs. 4, 303, 48 Stat. 1066, as amended, 1082 as amended; 47 U.S.C. 154, 303, 554.

5. Section 74.402 is amended by revising the last sentence of footnotes 3 and 5 of paragraph (a) and the Note following paragraph (b) to read as follows:

§ 74.402 Frequency assignment.

(a) * * *

[3] * * * Applications for licenses to use frequencies in this group must include statements showing what procedures will be taken to insure that interference will not be caused to stations in the Industrial/Business Pool.

* * * * *

[5] * * * In other areas, certain existing stations in the Public Safety Pool and

Industrial/Business Pool have been permitted to continue operation on these frequencies on condition that no harmful interference is caused to remote pickup broadcast stations.

* * * * *

(b) * * *

Note: These frequencies are shared with the Industrial/Business Pool.

* * * * *

PART 90—PRIVATE LAND MOBILE RADIO SERVICES

6. The authority citation for part 90 continues to read as follows:

Authority: 47 U.S.C. 154, 302, 303, and 332, unless otherwise noted.

7. Section 90.7 is amended by adding definitions for Automobile emergency licensee, Emergency Medical Licensee, Film and video licensee, Fire Licensee, Forest products licensee, Frequency coordination, Manufacturers licensee, Motor carrier licensee, Petroleum licensee, Police licensee, Power licensee, Railroad licensee, Relay press licensee, Special Industrial licensee, Taxicab licensee, and Telephone maintenance licensee in alphabetical order to read as follows:

§ 90.7 Definitions.

* * * * *

Automobile emergency licensee. Persons regularly engaged in any of the following activities who operate radio stations for transmission of communications required for dispatching repair trucks, tow trucks, or other road service vehicles to disabled vehicles:

(1) The operation of a private emergency road service for disabled vehicles by associations of owners of private automobiles; or

(2) The business of providing to the general public an emergency road service for disabled vehicles.

* * * * *

Emergency Medical Licensee. Persons or entities engaged in the provision of basic or advanced life support services on an ongoing basis that operate radio stations for transmission of communications essential for the delivery or rendition of emergency medical services for the provision of basic or advanced life support.

Film and video production licensee. Persons primarily engaged in or providing direct technical support to the production, videotaping, or filming of motion pictures or television programs, such as movies, programs, news programs, special events, educational programs, or training films, regardless of whether the productions are prepared primarily for final exhibition at theatrical outlets or on television or for distribution through other mass communications outlets.

Fire licensee. Any territory, possession, state, city, county, town, or similar governmental entity, and persons or organizations charged with specific fire protection activities that operate radio stations for transmission of communications essential to official fire activities.

* * * * *

Forest products licensee. Persons primarily engaged in tree logging, tree farming, or related woods operations, including related hauling activities, if the hauling activities are performed under contract to, and exclusively for, persons engaged in woods operations or engaged in manufacturing lumber, plywood, hardboard, or pulp and paper products from wood fiber.

* * * * *

Frequency coordination. The process of obtaining the recommendation of a frequency coordinator for a frequency(ies) that will most effectively meet the applicant's needs while minimizing interference t licensees already operating within a given frequency band.

* * * * *

Manufacturers licensee. Persons primarily engaged in any of the following manufacturing activities:

(1) The mechanical or chemical transformation of substances into new products within such establishments as plants, factories, shipyards, or mills which employ, in that process, powerdriven machines and materials-handling equipment;

(2) The assembly of components of manufactured products within such establishments as plants, factories, shipyards, or mills where the new product is neither a new structure nor other fixed improvement. Establishments primarily engaged in the wholesale or retail trade, or in service activities, even though they fabricate or assemble any or all the products or commodities handled, are not included in this category; or

(3) The providing of supporting services or materials by a corporation to its parent corporation, to another subsidiary of its parent or to its own subsidiary, where such supporting services or materials are directly related to those regular activities of such parent or subsidiary which are eligible under paragraphs (1) or (2) of this definition.

* * * * *

Motor carrier licensee. Persons primarily engaged in providing a common or contract motor carrier transportation service in any of the following activities: Provided, however, that motor vehicles used as taxicabs, livery vehicles, or school buses, and motor vehicles used for sightseeing or special charter purposes, shall not be included within the meaning of this term. For purposes of this definition, an urban area is defined as being one or more contiguous, incorporated or unincorporated cities, boroughs, towns, or villages, having an aggregate population of 2,500 or more persons.

(1) The transportation of passengers between urban areas;

(2) The transportation of property between urban areas;

(3) The transportation of passengers within a single urban area; or

(4) The transportation, local distribution or collection of property within a single urban area.

* * * * *

Petroleum licensee. Persons primarily engaged in prospecting for, producing, collecting, refining, or transporting by means of pipeline, petroleum or petroleum products (including natural gas).

Police licensee. Any territory, possession, state, city, county, town, or similar governmental entity including a governmental institution authorized by law to provide its own police protection that operate radio stations for transmission of communications essential to official police activities.

Power licensee. Persons primarily engaged in any of the following activities:

(1) The generation, transmission, or distribution of electrical energy for use by the general public or by the members of a cooperative organization;

(2) The distribution of manufactured or natural gas by means of pipe line, for use by the general public or by the members of a cooperative organization, or, in a combination of that activity with the production, transmission or storage of manufactured or natural gas preparatory to such distribution;

(3) The distribution of steam by means of pipeline or, of water by means of pipeline, canal, or open ditch, for use by the general public or by the members of a cooperative organization, or in a combination of that activity with the collection, transmission, storage, or purification of water or the generation of steam preparatory to such distribution; or

(4) The providing of a supporting service by a corporation directly related to activities of its parent corporation, of another subsidiary of the same parent, or of its own subsidiary, where the party served is regularly engaged in any of the activities set forth in this definition.

* * * * *

Railroad licensee. Railroad common carriers which are regularly engaged in the transportation of passengers or property when such passengers or property are transported over all or part of their route by railroad.

Relay press licensee. Persons primarily engaged in the publication of a newspaper or in the operation of an established press association.

* * * * *

Special industrial licensee. Persons regularly engaged in any of the following activities:

(1) The operation of farms, ranches, or similar land areas, for the quantity production of crops or plants; vines or trees (excluding forestry operations); or for the keeping, grazing or feeding of livestock for animal products, animal increase, or value enhancement;

(2) Plowing, soil conditioning, seeding, fertilizing, or harvesting for agricultural activities;

(3) Spraying or dusting of insecticides, herbicides, or fungicides, in areas other than enclosed structures;

(4) Livestock breeding service;

(5) The operation of a commercial business regularly engaged in the construction of roads, bridges, sewer systems, pipelines, airfields, or water, oil, gas, or power production, collection, or distribution systems. The construction of buildings is not included in this category;

(6) The operation of mines for the recovery of solid fuels, minerals, metal, rock, sand and gravel from the earth or the sea, including the exploration for and development of mining properties;

(7) Maintaining, patrolling or repairing gas or liquid transmission pipelines, tank cars, water or waste disposal wells, industrial storage tanks, or distribution systems of public utilities;

(8) Acidizing, cementing, logging, perforating, or shooting activities, and services of a similar nature incident to the drilling of new oil or gas wells, or the maintenance of production from established wells;

(9) Supplying chemicals, mud, tools, pipe, and other materials or equipment unique to the petroleum and gas production industry, as the primary activity of the applicant if delivery, installation or application of these materials requires the use of specifically fitted conveyances;

(10) The delivery of ice or fuel to the consumer for heating, lighting, refrigeration or power generation purposes, by means other than pipelines or railroads when such products are not to be resold following their delivery; or

(11) The delivery and pouring of ready mixed concrete or hot asphalt mix.

* * * * *

Taxicab licensee. Persons regularly engaged in furnishing to the public for hire a nonscheduled passenger land transportation service (which may also include the occasional transport of small items of property) not operated over a regular route or between established terminals.

* * * * *

Telephone maintenance licensee. Communications common carriers engaged in the provision of landline local exchange telephone service, or interexchange communications service, or who provide wire-telegraph service, and radio communications common carriers authorized in the Point-to-Point Microwave Radio Service under part 21 of this chapter. Resellers that do not own or control transmission facilities is not included in this category.

* * * * *

8. Section 90.17 is amended by adding new paragraphs (a)(1) and (a)(2) and a new last sentence to paragraph (a) read as follows:

§ 90.17 Local Government Radio Service.

(a) * * * Additionally, the following non-governmental entities are eligible to hold authorizations in the Local Government Radio Service, *provided* that their applications are accompanied by a statement from the governmental entity having legal jurisdiction over the area to be served, supporting the request:

(1) Persons or organizations charged with specific fire protection activities for communications essential to the official fire activities of the licensee; or

(2) Persons or organizations charged with specific forestry-conservation activities for communications essential to the official forestry-conservation activities of the licensee.

* * * * *

Subpart B is revised to read as follows:

Subpart B—Public Safety Radio Pool

Sec.
90.15 Scope.
90.16 Public Safety National Plan.
90.20 Public Safety Pool.
90.22 Paging operations.

Subpart B—Public Safety Radio Pool

§ 90.15 Scope.

The Public Safety Radio Pool covers the licensing of the radio communications of governmental entities and the following category of activities: Medical services, rescue organizations, veterinarians, persons with disabilities, disaster relief organizations, school buses, beach patrols, establishments in isolated places, communications standby facilities, and emergency repair of public communications facilities. Entities not meeting these eligibility criteria may also be licensed in the Public Safety Radio Pool solely to provide service to eligibles on one-way paging-only frequencies below 800 MHz, *i.e.*, those frequencies with the assignment limitations appearing at § 90.20(d)(13) or (d)(60). Private carrier systems licensed on other channels prior to June 1, 1990, may continue to provide radio communications service to eligibles. Rules as to eligibility for licensing, frequencies available, permissible communications and classes and number of stations, and any special requirements are set forth in the following sections.

§ 90.16 Public Safety National Plan.

The Commission has established a National Plan which specifies special policies and procedures governing the Public Safety Pool (formally Public Safety Radio Services and the Special Emergency Radio Service). The National Plan is contained in the Report and Order in General Docket No. 87–112. The principal spectrum resource for the National Plan is the 821–824 MHz and the 866–869 MHz bands. The National plan establishes planning regions covering all parts of the United States, Puerto Rico, and the U.S. Virgin Islands. No assignments will be made in the 821–824 MHz and 866–869 MHz bands until a regional plan for the area has been accepted by the Commission.

§ 90.20 Public Safety Pool.

(a) *Eligibility*. The following are eligible to hold authorizations in the Public Safety Pool.

(1) Any territory, possession, state, city, county, town or similar governmental entity is eligible to hold authorizations in the Public Safety Pool to operate radio stations for transmission of communications essential to official activities of the licensee, including:

(i) A district and an authority, but not including a school district or authority or a park district or authority except as provided for in § 90.242;

(ii) A governmental institution authorized by law to provide its own police protection;

(iii) Persons or entities engaged in the provision of basic or advanced life support services on an ongoing basis are eligible to hold authorization to operate stations for transmission of

communications essential for the delivery or rendition of emergency medical services for the provision of basic or advanced life support. Applications submitted by persons or organizations (governmental or otherwise) other than the governmental body having jurisdiction over the state's emergency medical service plans must be accompanied by a statement prepared by the governmental body having jurisdiction over the state's emergency medical services plan indicating that the applicant is included in the state's emergency plan or otherwise supporting the application;

(iv) Governmental entities and governmental agencies for their own medical activities; and

(v) Governmental entities and governmental agencies for providing medical services communications to other eligible persons through direct participation in and direct operational control of the system, such as through central dispatch service.

(2) Persons or organizations other than governmental entities are eligible to hold authorizations in the Public Safety Pool to operate radio stations for transmission of communications, as listed below. When requesting frequencies not designated by a ''PS'' in the coordinator column of the frequency table in paragraph (c)(3) of this section, applications must be accompanied by a statement from the governmental entity having legal jurisdiction over the area to be served, supporting the request:

(i) Persons or organizations charged with specific fire protection activities;

(ii) Persons or organizations charged with specific forestry-conservation activities;

(iii) Persons or organizations, listed below, engaged in the delivery or rendition of medical services to the public and on a secondary basis, for transmission of messages related to the efficient administration of organizations and facilities engaged in medical services operations:

(A) Hospital establishments that offer services, facilities, and beds for use beyond 24 hours in rendering medical treatment;

(B) Institutions and organizations regularly engaged in providing medical services through clinics, public health facilities, and similar establishments;

(C) Ambulance companies regularly engaged in providing medical ambulance services;

(D) Rescue organizations for the limited purpose of participation in providing medical services;

(E) Associations comprised of two or more of the organizations eligible under paragraph (a)(2)(iii) (A), (B), (C), and (D) of this section, for the purpose of active participation in and direct operational control of the medical services communication activities of such organizations; or

(F) Physicians, schools of medicine, oral surgeons, and associations of physicians or oral surgeons;

(iv) Persons or organizations operating a rescue squad for transmission of messages pertaining to the safety of life or property and urgent messages necessary for the rendition of an efficient emergency rescue service.

(A) Each rescue squad will normally be authorized to operate one base station, and a number of mobile units (excluding hand carried mobile units) not exceeding the number of vehicles actually used in emergency rescue operations.

(B) In addition, each rescue squad will be authorized to operate a number of hand carried mobile units not exceeding two such units for each radio equipped vehicle actually used in emergency rescue operations.

(v) Persons with Disabilities. The initial application from a person claiming eligibility under this paragraph shall be accompanied by a statement from a physician attesting to the condition of the applicant or the applicant's child (or ward in case of guardianship).

(A) Any person having a hearing deficiency such that average hearing threshold levels are 90 dB above ANSI (American National Standards Institute) 1969 or ISO (International Standards Organization) 1964 levels and such other persons who submit medical certification of similar hearing deficiency.

(B) Any person having visual acuity corrected to no better than 20/200 in the better eye or having a field of vision of less than 20 degrees.

(C) Any person, who, through loss of limbs or motor function, is confined to a wheelchair, or is non-ambulatory.

(D) Any person actively awaiting an organ transplant.

(E) Parents or guardians of persons under 18 years eligible under paragraphs (a)(2)(v)(A), (a)(2)(v)(B), (a)(2)(v)(C) of this section, or institutions devoted to the care or training of those persons.

(vi) A veterinarian, veterinary clinic, or a school of veterinary medicine for the transmission of messages pertaining to the care and treatment of animals. Each licensee may be authorized to operate one base station and two mobile units. Additional base stations or mobile units will be authorized only on a showing of need.

(vii) Organizations established for disaster relief purposes having an emergency radio communications plan for the transmission of communications relating to the safety of life or property, the establishment and maintenance of temporary relief facilities, and the alleviation of the emergency situation during periods of actual or impending emergency, or disaster, and until substantially normal conditions are restored. In addition, the stations may be used for training exercises, incidental to the emergency communications plan, and for operational communications of the disaster relief organization or its chapter affiliates. The initial application from a disaster relief organization shall be accompanied by a copy of the charter or other authority under which the organization was established and a copy of its communications plan. The plan shall fully describe the operation of the radio facilities and describe the method of integration into other communications facilities which normally would be available to assist in the alleviation of the emergency condition.

(viii) Persons or organizations operating school buses on a regular basis over regular routes for the transmission of messages pertaining to either the efficient operation of the school bus service or the safety or general welfare of the students they are engaged in transporting. Each school bus operator may be authorized to operate one base station and a number of mobile units not in excess of the total of the number of buses and maintenance vehicles regularly engaged in the school bus operation. Additional base stations or mobile units will be authorized only in exceptional circumstances when the applicant can show a specific need.

(ix) Persons or organizations operating beach patrols having responsibility for life-saving activities for the transmission of messages required for the safety of life or property.

(x) Persons or organizations maintaining establishment in isolated areas where public communications facilities are not available and where the use of radio is the only feasible means of establishing communication with a center of population, or other point from which emergency assistance might be obtained if needed, for the transmission of messages only during an actual or impending emergency endangering life, health or property for the transmission of essential communications arising from the emergency. The transmission of routine or non-emergency communications is strictly prohibited.

(A) Special eligibility showing. The initial application requesting a station

authorization for an establishment in an isolated area shall be accompanied by a statement describing the status of public communication facilities in the area of the applicant's establishment; the results of any attempts the applicant may have made to obtain public communication service, and; in the event radio communications service is to be furnished under paragraph (a)(2)(x)(C)(*2*) of this section, a copy of the agreement involved must be submitted.

(B) Class and number of stations available. Persons or organizations in this category may be authorized to operate not more than one fixed station at any isolated establishment and not more than one fixed station in a center of population.

(C) Communication service rendered and received.

(*1*) The licensee of a station at any establishment in an isolated area shall make the communication facilities of such station available at no charge to any person desiring the transmission of any communication permitted by paragraph (a) of this section.

(*2*) For the purpose of providing the communications link desired the licensee of a station at an establishment in an isolated area either may be the licensee of a similar station at another location or may obtain communication service under a mutual agreement from the licensee of any station in the Public Safety Pool or any other station which is authorized to communicate with the fixed station.

(xi) A communications common carrier operating communications circuits that normally carry essential communication of such a nature that their disruption would endanger life or public property is eligible to hold authorizations for standby radio facilities for the transmission of messages only during periods when the normal circuits are inoperative due to circumstances beyond the control of the user. During such periods the radio facilities may be used to transmit any communication which would be carried by the regular circuit. Initial applications for authorization to operate a standby radio facility must include a statement describing radio communication facilities desired, the proposed method of operation, a description of the messages normally being carried, and an explanation of how their disruption will endanger life or public property.

(xii) Communications common carriers for radio facilities to be used in effecting expeditious repairs to interruption of public communications facilities where such interruptions have resulted in disabling intercity circuits or service to a multiplicity of subscribers in a general area. Stations authorized under this section may be used only when no other means of communication is readily available, for the transmission of messages relating to the safety of life and property and messages which are necessary for the efficient restoration of the public communication facilities which have been disrupted.

(xiii) Persons or entities engaged in the provision of basic or advanced life support services on an ongoing basis are eligible to hold authorization to operate stations for transmission of communications essential for the delivery or rendition of emergency medical services for the provision of basic or advanced life support. Applications submitted by persons or organizations (governmental or otherwise) other than the governmental body having jurisdiction over the state's emergency medical service plans must be accompanied by a statement prepared by the governmental body having jurisdiction over the state's emergency medical services plan indicating that the applicant is included in the state's emergency plan or otherwise supporting the application.

(b) *International police radiocommunication.* Police licensees which are located in close proximity to the borders of the United States may be authorized to communicate internationally. Request for such authority shall be written and signed and submitted in duplicate. The request shall include information as to the station with which communication will be conducted, and the frequency, power, emission, etc., that will be used. If authorized, such international communication must be conducted in accordance with Article 5 of the Inter-American Radio Agreement, Washington, DC, 1949, which reads as follows:

Article 5. *Police radio stations.* When the American countries authorize their police radio stations to exchange emergency information by radio with similar stations of another country, the following rules shall be applied.

(a) Only police radio stations located close to the boundaries of contiguous countries shall be allowed to exchange this information.

(b) In general, only important police messages shall be handled, such as those which would lose their value, because of slowness and time limitations if sent on other communication systems.

(c) Frequencies used for radiotelephone communications with mobile police units shall not be used for radiotelegraph communications.

(d) Radiotelephone communications shall be conducted only on frequencies assigned for radiotelephony.

(e) Radiotelegraph communications shall be conducted on the following frequencies: 2804 kHz calling, 2808 kHz working, 2812 kHz working, 5195 kHz day calling, 5185 kHz day working, 5140 kHz day working.

(f) The characteristics of police radio stations authorized to exchange information shall be notified to the International Telecommunication Union, Geneva, Switzerland.

(g) The abbreviations contained in Appendix 9 of the Atlantic City Radio Regulations shall be used to the greatest possible extent. Service indications are as follows: ''P'', priority, for messages that are to be sent immediately, regardless of the number of other messages on file. If no service indication is given, the messages are to be transmitted in the order of receipt.

(h) The message shall contain the preamble, address, text and signature, as follows:

Preamble. The preamble of the message shall consist of the following: The serial number preceded by the letters ''NR'', service indications, as appropriate; the group count according to standard cable count system; the letters ''CK'', followed by numerals indicating the number of words contained in the text of the message: Office and country of origin (not abbreviations): Day, month, and hour of filing;

Address. The address must be as complete as possible and shall include the name of the addressee with any supplementary particulars necessary for immediate delivery of the message;

Text. The text may be either in plain language or code;

Signature. The signature shall include the name and title of the person originating the message.

(c) Public Safety frequencies.

(1) The following table indicates frequencies available for assignment to Public Safety stations, together with the class of station(s) to which they are normally assigned, the specific assignment limitations which are explained in paragraph (d) of this section, and the certified frequency coordinator for each frequency:

(2)(i) The letter symbol(s) listed in the Coordinator column of the frequency table in paragraph (c)(3) of this section specifies the frequency coordinator(s) for each frequency as follows:

PF—Fire Coordinator
PH—Highway Maintenance Coordinator
PM—Emergency Medical Coordinator
PO—Forestry-Conservation Coordinator
PP—Police Coordinator
PS—Special Emergency Coordinator
PX—Any Public Safety Coordinator, except the Special Emergency Coordinator

(ii) Frequencies without any coordinator specified may be coordinated by any coordinator certified in the Public Safety Pool.

(3) Frequencies.

PUBLIC SAFETY POOL FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations	Coordinator
Kilohertz:			
530		1	PX
1610	Base (T.I.S.)	1	PX
1630	Base or mobile		PF
1722	do	2, 3	PP
1730	do	2, 3	PP
2212	do	4	PO
2226	do	4	PO
2236	do	4	PO
2244	do	4	PO
2366	do	2, 4	PP
2382	do	2	PP
2390	do	2, 4	PP
2406	do	2	PP
2430	do	2	PP
2442	do	2	PP
2450	do	2	PP
2458	do	2	PP
2482	do	2	PP
2490	do	2, 3	PP
2726	do	5	PX, PS
3201	do		PS
2000 to 3000	Fixed	75	PS
2000 to 10,000	Fixed, base, or mobile	6	PX
Megahertz:			
30.86	Base or mobile	7	PO
30.90	do	7	PO
30.94	do	7	PO
30.98	do	7	PO
31.02	do	7	PO
31.06	do	7, 8, 9	PO
31.10	do	7, 8, 9	PO
31.14	do	7, 8, 9	PO
31.18	do	8, 9	PO
31.22	do	8, 9	PO
31.26	do	8, 9	PO
31.30	do	8, 9	PO
31.34	do	8, 9	PO
31.38	do	8, 9	PO
31.42	do	8, 9	PO
31.46	do	8, 9	PO
31.50	do	8, 9	PO
31.54	do	8, 9	PO
31.58	do	8, 9	PO
31.62	do	8, 9	PO
31.66	do	8, 9	PO
31.70	do	8, 9	PO
31.74	do	8, 9	PO
31.78	do	8, 9	PO
31.82	do	8, 9	PO
31.86	do	8, 9	PO
31.90	do	8, 9	PO
31.94	do	8, 9	PO
31.98	do	8, 9	PO
33.02	do	10	PH, PS
33.04	do		PS
33.06	do	10	PH, PS
33.08	do		PS
33.10	do	10	PH, PS
33.42	Mobile or fixed	11	PF
33.44	Base or mobile		PF
33.46	Mobile		PF
33.48	Base or mobile		PF
33.50	Mobile		PF
33.52	Base or mobile		PF
33.54	Mobile		PF
33.56	Base or mobile		PF
33.58	Mobile		PF
33.60	Base or mobile		PF
33.62	Mobile		PF
33.64	Base or mobile		PF
33.66	Mobile		PF

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
33.68	Base or mobile		PF
33.70	.....do		PF
33.72	.....do		PF
33.74	.....do		PF
33.76	.....do		PF
33.78	.....do		PF
33.80	.....do		PF
33.82	.....do		PF
33.84	.....do		PF
33.86	.....do		PF
33.88	.....do		PF
33.90	.....do		PF
33.92	.....do		PF
33.94	.....do		PF
33.96	.....do		PF
33.98	.....do		PF
35.02	Mobile	12	PS
35.64	Base	13	PS
35.68	.....do	13	PS
37.02	Mobile		PP
37.04	Base or mobile		PP
37.06	.....do		PP
37.08	.....do		PP
37.10	.....do		PX
37.12	.....do		PP
37.14	.....do		PP
37.16	.....do		PP
37.18	.....do		PX
37.20	.....do		PP
37.22	.....do		PP
37.24	.....do		PP
37.26	.....do		PX
37.28	.....do		PP
37.30	.....do		PP
37.32	.....do		PP
37.34	Mobile		PP
37.36	Base or mobile		PP
37.38	Mobile		PP
37.40	Base or mobile		PP
37.42	Mobile		PP
37.90	Base or mobile	10	PH, PS
37.92	.....do		PH
37.94	.....do	10	PH, PS
37.96	.....do		PH
37.98	.....do	10	PH, PS
39.02	.....do		PP
39.04	.....do		PP
39.06	.....do	14	PX
39.08	.....do		PP
39.10	.....do		PX
39.12	.....do		PP
39.14	.....do		PP
39.16	.....do		PP
39.18	.....do		PX
39.20	.....do		PP
39.22	.....do		PP
39.24	.....do		PP
39.26	Mobile		PP
39.28	Base or mobile		PP
39.30	Mobile		PP
39.32	Base or mobile		PP
39.34	Mobile		PP
39.36	Base or mobile		PP
39.38	Mobile		PP
39.40	Base or mobile		PP
39.42	.....do		PP
39.44	.....do		PP
39.46	.....do	15	PP
39.48	.....do		PP
39.50	.....do		PX
39.52	.....do		PP
39.54	.....do		PP

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
39.56	do		PP
39.58	do		PX
39.60	do		PP
39.62	do		PP
39.64	do		PP
39.66	Mobile		PP
39.68	Base or mobile		PP
39.70	Mobile		PP
39.72	Base or mobile		PP
39.74	Mobile		PP
39.76	Base or mobile		PP
39.78	Mobile		PP
39.80	Base or mobile		PP
39.82	do		PX
39.84	do		PP
39.86	do		PP
39.88	do		PP
39.90	do		PX
39.92	do		PP
39.94	do		PP
39.96	do		PP
39.98	do		PX
42.02	do	2, 3, 16	PP
42.04	do	2, 3, 16	PP
42.06	do	2, 3, 16	PP
42.08	do	2, 3, 16	PP
42.10	do	2, 3, 16	PP
42.12	do	2, 3, 16	PP
42.14	do	2, 3, 16	PP
42.16	do	2, 3, 16	PP
42.18	Mobile	2, 16	PP
42.20	do	2, 16	PP
42.22	do	2, 16	PP
42.24	do	2, 16	PP
42.26	do	2, 16	PP
42.28	do	2, 16	PP
42.30	do	2, 16	PP
42.32	Base or mobile	2, 3, 16	PP
42.34	do	2, 3, 16	PP
42.36	do	2, 3, 16	PP
42.38	do	2, 3, 16	PP
42.40	do	2, 3, 16, 27	PP
42.42	do	2, 3, 16	PP
42.44	do	2, 3, 16	PP
42.46	do	2, 3, 16	PP
42.48	do	2, 3, 16	PP
42.50	do	2, 3, 16	PP
42.52	do	2, 3, 16	PP
42.54	do	2, 3, 16	PP
42.56	do	2, 3, 16	PP
42.58	do	2, 3, 16	PP
42.60	do	2, 3, 16	PP
42.62	do	2, 3, 16	PP
42.64	do	2, 3, 16	PP
42.66	Mobile	2, 16	PP
42.68	do	2, 16	PP
42.70	do	2, 16	PP
42.72	do	2, 16	PP
42.74	do	2, 16	PP
42.76	do	2, 16	PP
42.78	do	2, 16	PP
42.80	Base or mobile	13	PP
42.82	do	2, 3, 16	PP
42.84	do	2, 3, 16	PP
42.86	do	2, 3, 16	PP
42.88	do	2, 3, 16	PP
42.90	do	2, 3, 16	PP
42.92	do	2, 3, 16	PP
42.94	do	2, 3, 16	PP
43.64	Base	13, 18	PS
43.68	do	13	PS
44.62	Base or mobile	2, 3, 16	PP

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
44.64	do		PO
44.66	do	2, 3, 16	PP
44.68	do		PO
44.70	do	2, 3, 16	PP
44.72	do		PO
44.74	do	2, 3, 16	PP
44.76	do		PO
44.78	Mobile	2, 16	PP
44.80	Base or mobile		PO
44.82	Mobile	2, 16	PP
44.84	Base or mobile		PO
44.86	Mobile	2, 16	PP
44.88	Base or mobile		PO
44.90	Mobile	2, 16	PP
44.92	Base or mobile		PO
44.94	do	2, 3, 16	PP
44.96	do		PO
44.98	do	2, 3, 16	PP
45.00	do		PO
45.02	do	2, 3, 16	PP
45.04	do		PO
45.06	do	2, 3, 16	PP
45.08	do		PX
45.10	do		PP
45.12	do		PX
45.14	do		PP
45.16	do		PX
45.18	do		PP
45.20	do		PX
45.22	do		PP
45.24	do		PX
45.26	Mobile		PP
45.28	Base or mobile		PX
45.30	Mobile		PP
45.32	Base or mobile		PX
45.34	Mobile		PP
45.36	Base or mobile		PX
45.38	Mobile		PP
45.40	Base or mobile		PX
45.42	do		PP
45.44	do		PX
45.46	do		PP
45.48	do		PX
45.50	do		PP
45.52	do		PX
45.54	do		PP
45.56	do		PX
45.58	do		PP
45.60	do		PX
45.62	do		PP
45.64	do		PX
45.66	do		PP
45.68	do		PH
45.70	do		PP
45.72	do		PH
45.74	Mobile		PP
45.76	Base or mobile		PH
45.78	Mobile		PP
45.80	Base or mobile		PH
45.82	Mobile		PP
45.84	Base or mobile		PH
45.86	do	15	PP
45.88	do	19	PF
45.90	do	20	PP
45.92	do	10	PS
45.94	do		PP
45.96	do	10	PS
45.98	do		PP
46.00	do	10	PS
46.02	do		PP
46.04	do	10	PS
46.06	do		PF

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
46.08	.....do		PF
46.10	.....do		PF
46.12	.....do		PF
46.14	.....do		PF
46.16	.....do		PF
46.18	.....do		PF
46.20	.....do		PF
46.22	Mobile		PF
46.24	.....do		PF
46.26	.....do		PF
46.28	.....do		PF
46.30	Mobile or fixed	11	PF
46.32	Mobile		PF
46.34	.....do		PF
46.36	Base or mobile		PF
46.38	.....do		PF
46.40	.....do		PF
46.42	.....do		PF
46.44	.....do		PF
46.46	.....do		PF
46.48	.....do		PF
46.50	.....do		PF
46.52	.....do		PX
46.54	.....do		PX
46.56	.....do		PX
46.58	.....do		PX
47.02	.....do	21, 22	PH
47.04	.....do	21, 22	PH
47.06	.....do	21, 22	PH
47.08	.....do	21, 22	PH
47.10	.....do	21, 22	PH
47.12	.....do	21, 22	PH
47.14	.....do	21, 22	PH
47.16	.....do	21, 22	PH
47.18	.....do	21, 22	PH
47.20	.....do	21, 22	PH
47.22	.....do	21, 22	PH
47.24	.....do	21, 22	PH
47.26	.....do	21, 22	PH
47.28	.....do	21, 22	PH
47.30	.....do	21, 22	PH
47.32	.....do	21, 22	PH
47.34	.....do	21, 22	PH
47.36	.....do	21, 22	PH
47.38	.....do	21, 22	PH
47.40	.....do	21, 22	PH
47.42	.....do	10, 23	PS
47.46	.....do	10	PS
47.50	.....do	10	PS
47.54	.....do	10	PS
47.58	.....do	10	PS
47.62	.....do	10	PS
47.66	.....do	10	PS
72.00 to 76.00	Operational fixed	24	
72.44	Mobile	25	PF
72.48	.....do	25	PF
72.52	.....do	25	PF
72.56	.....do	25	PF
72.6	.....do	25	PF
75.44	.....do	25	PF
75.48	.....do	25	PF
75.52	.....do	25	PF
75.56	.....do	25	PF
75.6	.....do	25	PF
150 to 170	Base or mobile	26	
150.775	Mobile		PM
150.7825	.....do	27	PM
150.790	.....do		PM
150.7975	.....do		PM
150.805	.....do		PM
150.995	Base or mobile	28	PH
151.0025	.....do	27, 28	PH

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
151.010	do	28	PH
151.0175	do	27, 28	PH
151.025	do	28	PH
151.0325	do	27, 28	PH
151.040	do	28	PH
151.0475	do	27, 28	PH
151.055	do	28	PH
151.070	do	28, 30	PH
151.085	do	28	PH
151.0925	do	27, 28	PH
151.100	do	28	PH
151.1075	do	27, 28	PH
151.115	do	28	PH
151.1225	do	27, 28	PH
151.130	do	28	PH
151.1375	do	27, 28	PH
151.145	do	28	PO
151.1525	do	27, 28	PO
151.160	do	28	PO
151.1675	do	27, 28	PO
151.175	do	28	PO
151.190	do	28, 30	PO
151.205	do	28	PO
151.2125	do	27, 28	PO
151.220	do	28	PO
151.2275	do	27, 28	PO
151.235	do	28	PO
151.2425	do	27, 28	PO
151.250	do	28	PO
151.2575	do	27, 28	PO
151.265	do	28	PO
151.2725	do	27, 28	PO
151.280	do	28	PO
151.2875	do	27, 28	PO
151.295	do	28	PO
151.310	do	28, 30	PO
151.325	do	28	PO
151.3325	do	27, 28	PO
151.340	do	28	PO
151.3475	do	27, 28	PO
151.355	do	28	PO
151.3625	do	27, 28	PO
151.370	do	28	PO
151.3775	do	27, 28	PO
151.385	do	28	PO
151.3925	do	27, 28	PO
151.400	do	28	PO
151.4075	do	27, 28	PO
151.415	do	28	PO
151.4225	do	27, 28	PO
151.430	do	28	PO
151.4375	do	27, 28	PO
151.445	do	28	PO
151.4525	do	27, 28	PO
151.460	do	28	PO
151.4675	do	27, 28	PO
151.475	do	28	PO
151.4825	do	27, 28	PO
151.490	do	7, 28	PO
151.4975	do	7, 27, 28	PO
152.0075	Base	13, 19, 30	PS
153.740	Mobile		PX
153.7475	do	27	PX
153.755	do		PX
153.7625	do	27	PX
153.770	do		PF
153.7775	do	27	PF
153.785	do		PX
153.7925	do	27	PX
153.800	do		PX
153.8075	do	27	PX
153.815	do		PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
153.8225	do	27	PX
153.830	do	31	PF
153.8375	do	27, 31	PF
153.845	do		PX
153.8525	do	27	PX
153.860	do		PX
153.8675	do	27	PX
153.875	do		PX
153.8825	do	27	PX
153.890	do		PF
153.8975	do	27	PF
153.905	do		PX
153.9125	do	27	PX
153.920	do		PX
153.9275	do	27	PX
153.935	do		PX
153.9425	do	27	PX
153.950	do		PF
153.9575	do	27	PF
153.965	do		PX
153.9725	do	27	PX
153.980	do		PX
153.9875	do	27	PX
153.995	do		PX
154.0025	do	27	PX
154.010	do		PF
154.0175	do	27	PF
154.025	Base or mobile		PX
154.0325	do	27	PX
154.040	do	28	PX
154.0475	do	27, 28	PX
154.055	do	28	PX
154.0625	do	27, 28	PX
154.070	Mobile	28	PF
154.0775	do	27, 28	PF
154.085	Base or mobile	28	PX
154.0925	do	27, 28	PX
154.100	do	28	PX
154.1075	do	27, 28	PX
154.115	do	28	PX
154.1225	do	27, 28	PX
154.130	do	28	PF
154.1375	do	27, 28	PF
154.145	do	28	PF
154.1525	do	27, 28	PF
154.160	do	28	PF
154.1675	do	27, 28	PF
154.175	do	28	PF
154.1825	do	27, 28	PF
154.190	do	28	PF
154.1975	do	27, 28	PF
154.205	do	28	PF
154.2125	do	27, 28	PF
154.220	do	28	PF
154.2275	do	27, 28	PF
154.235	do	28	PF
154.2425	do	27, 28	PF
154.250	do	28	PF
154.2575	do	27, 28	PF
154.265	do	19, 28	PF
154.2725	do	19, 27, 28	PF
154.280	do	19, 28	PF
154.2875	do	19, 27, 28	PF
154.295	do	19, 28	PF
154.3025	do	19, 27, 28	PF
154.310	do	28	PF
154.3175	do	27, 28	PF
154.325	do	28	PF
154.3325	do	27, 28	PF
154.340	do	28	PF
154.3475	do	27, 28	PF
154.355	do	28	PF

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
154.3625	do	27, 28	PF
154.370	do	28	PF
154.3775	do	27, 28	PF
154.385	do	28	PF
154.3925	do	27, 28	PF
154.400	do	28	PF
154.4075	do	27, 28	PF
154.415	do	28	PF
154.4225	do	27, 28	PF
154.430	do	28	PF
154.4375	do	27, 28	PF
154.445	do	28	PF
154.4525	do	27, 28	PF
154.45625	Fixed or mobile	32, 33, 34, 35	PX
154.46375	do	33, 34, 35, 36, 37	PX
154.47125	do	33, 34, 35, 36	PX
154.47875	do	33, 34, 35, 37	PX
154.650	Mobile		PP
154.6575	do	27	PP
154.665	Base or mobile	16	PP
154.6725	do	16, 27	PP
154.680	do	16	PP
154.6875	do	16, 27	PP
154.695	do	16	PP
154.7025	do	16, 27	PP
154.710	Mobile		PP
154.7175	do	27	PP
154.725	Base or mobile		PP
154.7325	do	27	PP
154.740	do		PP
154.7475	do	27	PP
154.755	do		PP
154.7625	do	27	PP
154.770	Mobile		PP
154.7775	do	27	PP
154.785	Base or mobile		PP
154.7925	do	27	PP
154.800	do		PP
154.8075	do	27	PP
154.815	do		PP
154.8225	do	27	PP
154.830	Mobile		PP
154.8375	do	27	PP
154.845	Base or mobile		PP
154.8525	do	27	PP
154.860	do		PP
154.8675	do	27	PP
154.875	do		PP
154.8825	do	27	PP
154.890	Mobile		PP
154.8975	do	27	PP
154.905	Base or mobile	16	PP
154.9125	do	16, 27	PP
154.920	do	16	PP
154.9275	do	16, 27	PP
154.935	do	16	PP
154.9425	do	16, 27	PP
154.950	Mobile		PP
154.9575	do	27	PP
154.965	Base or mobile		PX
154.9725	do	27	PX
154.980	do		PX
154.9875	do	27	PX
154.995	do		PX
155.0025	do	27	PX
155.010	do		PP
155.0175	do	27	PP
155.025	do		PX
155.0325	do	27	PX
155.040	do		PX
155.0475	do	27	PX
155.055	do		PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
155.0625	do	27	PX
155.070	do		PP
155.0775	do	27	PP
155.085	do		PX
155.0925	do	27	PX
155.100	do		PX
155.1075	do	27	PX
155.115	do		PX
155.1225	do	27	PX
155.130	do		PP
155.1375	do	27	PP
155.145	do		PX
155.1525	do	27	PX
155.160	do	10	PS
155.1675	do	10, 27	PS
155.175	do	10	PS
155.1825	do	10, 27	PS
155.190	do		PP
155.1975	do	27	PP
155.205	do	10	PS
155.2125	do	10, 27	PS
155.220	do	10	PS
155.2275	do	10, 27	PS
155.235	do	10	PS
155.2425	do	10, 27	PS
155.250	do		PP
155.2575	do	27	PP
155.265	do	10	PS
155.2725	do	10, 27	PS
155.280	do	10	PS
155.2875	do	10, 27	PS
155.295	do	10	PS
155.3025	do	10, 27	PS
155.310	do		PP
155.3175	do	27	PP
155.325	do	38, 39	PM
155.3325	do	27, 38, 39	PM
155.340	do	39, 40	PM
155.3475	do	27, 39, 40	PM
155.355	do	38, 39	PM
155.3625	do	27, 38, 39	PM
155.370	do		PP
155.3775	do	27	PP
155.385	do	38, 39	PM
155.3925	do	27, 38, 39	PM
155.400	do	38, 39	PM
155.4075	do	27, 38, 39	PM
155.415	do		PP
155.4225	do	27	PP
155.430	do		PP
155.4375	do	27	PP
155.445	do	16	PP
155.4525	do	16, 27	PP
155.460	do	16	PP
155.4675	do	16, 27	PP
155.475	do	41	PP
155.4825	do	27, 41	PP
155.490	do		PP
155.4975	do	27	PP
155.505	do	16	PP
155.5125	do	16, 27	PP
155.520	do		PP
155.5275	do	27	PP
155.535	do		PP
155.5425	do	27	PP
155.550	do		PP
155.5575	do	27	PP
155.565	do		PP
155.5725	do	27	PP
155.580	do		PP
155.5875	do	27	PP
155.595	do		PP

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
155.6025	do	27	PP
155.610	do		PP
155.6175	do	27	PP
155.625	do		PP
155.6325	do	27	PP
155.640	do		PP
155.6475	do	27	PP
155.655	do		PP
155.6625	do	27	PP
155.670	do		PP
155.6775	do	27	PP
155.685	do		PP
155.6925	do	27	PP
155.700	do		PP
155.7075	do	27	PP
155.715	do		PX
155.7225	do	27	PX
155.730	do		PP
155.7375	do	27	PP
155.745	do		PX
155.7525	do	27	PX
155.760	do		PX
155.7675	do	27	PX
155.775	do		PX
155.7825	do	27	PX
155.790	do		PP
155.7975	do	27	PP
155.805	do		PX
155.8125	do	27	PX
155.820	do		PX
155.8275	do	27	PX
155.835	do		PX
155.8425	do	27	PX
155.850	Mobile		PP
155.8575	do	27	PP
155.865	Base or mobile		PX
155.8725	do	27	PX
155.880	do		PX
155.8875	do	27	PX
155.895	do		PX
155.9025	do	27	PX
155.910	Mobile		PP
155.9175	do	27	PP
155.925	Base or mobile		PX
155.9325	do	27	PX
155.940	do		PX
155.9475	do	27	PX
155.955	do		PX
155.9625	do	27	PX
155.970	Mobile		PP
155.9775	do	27	PP
155.985	do		PX
155.9925	do	27	PX
156.000	do		PX
156.0075	do	27	PX
156.015	do		PX
156.0225	do	27	PX
156.030	do		PP
156.0375	do	27	PP
156.045	do	42	PH
156.0525	do	27, 42	PH
156.060	do	42	PH
156.0675	do	27, 42	PH
156.075	do		PH
156.0825	do	27	PH
156.090	do		PP
156.0975	do	27	PP
156.105	Base or mobile		PH
156.1125	do	27	PH
156.120	do		PH
156.1275	do	27	PH
156.135	do		PH

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
156.1425	.....do	27	PH
156.150	Mobile		PP
156.1575	.....do	27	PP
156.165	Base or mobile	42, 43	PH
156.1725	.....do	27, 42, 43	PH
156.180	.....do	42, 43	PH
156.1875	.....do	27, 42, 43	PH
156.195	.....do	43	PH
156.2025	.....do	27, 43	PH
156.210	.....do		PP
156.2175	.....do	27	PP
156.225	.....do	43	PH
156.2325	.....do	27, 43	PH
156.240	.....do	43	PH
156.2475	.....do	43, 44	PH
157.450	.....do	13, 45, 30	PS
158.7225	.....do	44	PP
158.730	.....do		PP
158.7375	.....do	27	PP
158.745	Base and mobile		PX
158.7525	.....do	27	PX
158.760	.....do		PX
158.7675	.....do	27	PX
158.775	.....do		PX
158.7825	.....do	27	PX
158.790	Base or mobile		PP
158.7975	.....do	27	PP
158.805	Base and mobile		PX
158.8125	.....do	27	PX
158.820	.....do		PX
158.8275	.....do	27	PX
158.835	.....do		PX
158.8425	.....do	27	PX
158.850	Base or mobile		PP
158.8575	.....do	27	PP
158.865	Mobile		PX
158.8725	.....do	27	PX
158.880	.....do		PX
158.8875	.....do	27	PX
158.895	.....do		PX
158.9025	.....do	27	PX
158.910	.....do		PP
158.9175	.....do	27	PP
158.925	.....do		PX
158.9325	.....do	27	PX
158.940	.....do		PX
158.9475	.....do	27	PX
158.955	.....do		PX
158.9625	.....do	27	PX
158.970	.....do		PP
158.9775	.....do	27	PP
158.985	.....do	43	PH
158.9925	.....do	27, 43	PH
159.000	.....do	43	PH
159.0075	.....do	27, 43	PH
159.015	.....do	43	PH
159.0225	.....do	27, 43	PH
159.030	.....do		PP
159.0375	.....do	27	PP
159.045	.....do	43	PH
159.0525	.....do	27, 43	PH
159.060	.....do	43	PH
159.0675	.....do	27, 43	PH
159.075	.....do	43	PH
159.0825	.....do	27, 43	PH
159.090	Base or mobile		PP
159.0975	.....do	27	PP
159.105	.....do	43	PH
159.1125	.....do	27, 43	PH
159.120	.....do	43	PH
159.1275	.....do	27, 43	PH
159.135	.....do	43	PH

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
159.1425	do	27, 43	PH
159.150	do		PP
159.1575	do	27	PP
159.165	do	43	PH
159.1725	do	27, 43	PH
159.180	do		PH
159.1875	do	27	PH
159.195	do		PH
159.2025	do	27	PH
159.210	do		PP
159.2175	do	27	PP
159.225	do		PO
159.2325	do	27	PO
159.240	do	46	PO
159.2475	do	27, 46	PO
159.255	do	46	PO
159.2625	do	27, 46	PO
159.270	do	46	PO
159.2775	do	27, 46	PO
159.285	do	46	PO
159.2925	do	27, 46	PO
159.300	do	46	PO
159.3075	do	27, 46	PO
159.315	do	46	PO
159.3225	do	27, 46	PO
159.330	do	46	PO
159.3375	do	27, 46	PO
159.345	do	46	PO
159.3525	do	27, 46	PO
159.360	do	46	PO
159.3675	do	27, 46	PO
159.375	do	46	PO
159.3825	do	27, 46	PO
159.390	do	46	PO
159.3975	do	27, 46	PO
159.405	do	46	PO
159.4125	do	27, 46	PO
159.420	do	46	PO
159.4275	do	27, 46	PO
159.435	do	46	PO
159.4425	do	27, 46	PO
159.450	do		PO
159.4575	do	27	PO
159.465	do		PO
159.4725	do	27	PO
163.250	do	13, 30	PS
166.250	do	47	PF
169 to 172	Mobile	48	
170.150	Base or mobile	47	PF
170.425	do	9, 49, 50	PO
170.475	do	9, 49, 51	PO
170.575	do	9, 49, 50	PO
171.425	do	9, 49, 51	PO
171.475	do	9, 50, 52	PO
171.575	do	9, 49, 51	PO
172.225	do	9, 49, 50	PO
172.275	do	9, 51, 52	PO
172.375	do	9, 49, 50	PO
173.075	do	53	PP
173.20375	Fixed or mobile	33, 34, 35, 36	PX
173.210	do	34, 35, 36, 54	PX
173.2375	do	32, 33, 34, 35	PX
173.2625	do	32, 33, 34, 35	PX
173.2875	do	32, 33, 34, 35	PX
173.3125	do	32, 33, 34, 35	PX
173.3375	do	32, 33, 34, 35	PX
173.3625	do	32, 33, 34, 35	PX
173.390	do	34, 35, 36, 54	PX
173.39625	do	33, 34, 35, 36	PX
220 to 222	Base and mobile	55	
220.8025	Base	55	PP, PS
220.8075	do	55	PP, PS

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
220.8125	.....do	55	PP, PS
220.8175	.....do	55	PP, PS
220.8225	.....do	55	PP, PS
220.8275	.....do	55	PP, PS
220.8325	.....do	55	PP, PS
220.8375	.....do	55	PP, PS
220.8425	.....do	55	PP, PS
220.8475	.....do	55	PP, PS
220.9025	.....do	55	PM
220.9075	.....do	55	PM
220.9125	.....do	55	PM
220.9175	.....do	55	PM
220.9225	.....do	55	PM
221.8025	Mobile	55	PP, PS
221.8075	.....do	55	PP, PS
221.8125	.....do	55	PP, PS
221.8175	.....do	55	PP, PS
221.8225	.....do	55	PP, PS
221.8275	.....do	55	PP, PS
221.8325	.....do	55	PP, PS
221.8375	.....do	55	PP, PS
221.8425	.....do	55	PP, PS
221.8475	.....do	55	PP, PS
221.9025	.....do	55	PM
221.9075	.....do	55	PM
221.9125	.....do	55	PM
221.9175	.....do	55	PM
221.9225	.....do	55	PM
450 to 470	Fixed, base, or mobile	26, 56	
453.0125	Mobile	57	PX
453.025	Central control, fixed base, or mobile	58, 59, 60, 61, 62	PX, PS
453.03125	Base or mobile	44, 59, 60, 61, 62	PM, PS
453.0375	.....do	27, 59, 60, 61, 62	PX
453.04375	.....do	44, 59, 60, 61, 62	PM
453.050	.....do		PX
453.05625	.....do	44	PX
453.0625	.....do	27	PX
453.06875	.....do	44	PX
453.075	Central control, fixed, base, or mobile	58, 59, 60, 61, 62	PX, PS
453.08125	Base or mobile	44, 59, 60, 61, 62	PM
453.0875	.....do	27, 59, 60, 61, 62	PX
453.09375	.....do	44, 59, 60, 61, 62	PM
453.100	.....do		PX
453.10625	.....do	44	PX
453.1125	.....do	27	PX
453.11875	.....do	44	PX
453.125	Central control, fixed, base, or mobile	58, 59, 60, 61, 62	PX, PS
453.13125	Base or mobile	44, 59, 60, 61, 62	PM
453.1375	.....do	27, 59, 60, 61, 62	PX
453.14375	.....do	44, 59, 60, 61, 62	PM
453.150	.....do		PX
453.15625	.....do	44	PX
453.1625	.....do	27	PX
453.16875	.....do	44	PX
453.175	Central control, fixed, base, or mobile	58, 59, 60, 61, 62	PX, PS
453.18125	Base or mobile	44, 59, 60, 61, 62	PM
453.1875	.....do	27, 59, 60, 61, 62	PX
453.19375	.....do	44, 59, 60, 61, 62	PM
453.200	.....do		PX
453.20625	.....do	44	PX
453.2125	.....do	27	PX
453.21875	.....do	44	PX
453.225	.....do		PX
453.23125	.....do	44	PX
453.2375	.....do	27	PX
453.24375	.....do	44	PX
453.250	.....do		PX
453.25625	.....do	44	PX
453.2625	.....do	27	PX
453.26875	.....do	44	PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
453.275	do		PX
453.28125	do	44	PX
453.2875	do	27	PX
453.29375	do	44	PX
453.300	do		PX
453.30625	do	44	PX
453.3125	do	27	PX
453.31875	do	44	PX
453.325	do		PX
453.33125	do	44	PX
453.3375	do	27	PX
453.34375	do	44	PX
453.350	do		PX
453.35625	do	44	PX
453.3625	do	27	PX
453.36875	do	44	PX
453.375	do		PX
453.38125	do	44	PX
453.3875	do	27	PX
453.39375	do	44	PX
453.400	do		PX
453.40625	do	44	PX
453.4125	do	27	PX
453.41875	do	44	PX
453.425	do		PX
453.43125	do	44	PX
453.4375	do	27	PX
453.44375	do	44	PX
453.450	do		PX
453.45625	do	44	PX
453.4625	do	27	PX
453.46875	do	44	PX
453.475	do		PX
453.48125	do	44	PX
453.4875	do	27	PX
453.49375	do	44	PX
453.500	do		PX
453.50625	do	44	PX
453.5125	do	27	PX
453.51875	do	44	PX
453.525	do		PX
453.53125	do	44	PX
453.5375	do	27	PX
453.54375	do	44	PX
453.550	do		PX
453.55625	do	44	PX
453.5625	do	27	PX
453.56875	do	44	PX
453.575	do		PX
453.58125	do	44	PX
453.5875	do	27	PX
453.59375	do	44	PX
453.600	do		PX
453.60625	do	44	PX
453.6125	do	27	PX
453.61875	do	44	PX
453.625	do		PX
453.63125	do	44	PX
453.6375	do	27	PX
453.64375	do	44	PX
453.650	do		PX
453.65625	do	44	PX
453.6625	do	27	PX
453.66875	do	44	PX
453.675	do		PX
453.68125	do	44	PX
453.6875	do	27	PX
453.69375	do	44	PX
453.700	do		PX
453.70625	do	44	PX
453.7125	do	27	PX
453.71875	do	44	PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
453.725	do		PX
453.73125	do	44	PX
453.7375	do	27	PX
453.74375	do	44	PX
453.750	do		PX
453.75625	do	44	PX
453.7625	do	27	PX
453.76875	do	44	PX
453.775	do		PX
453.78125	do	44	PX
453.7875	do	27	PX
453.79375	do	44	PX
453.800	do		PX
453.80625	do	44	PX
453.8125	do	27	PX
453.81875	do	44	PX
453.825	do		PX
453.83125	do	44	PX
453.8375	do	27	PX
453.84375	do	44	PX
453.850	do		PX
453.85625	do	44	PX
453.8625	do	27	PX
453.86875	do	44	PX
453.875	do		PX
453.88125	do	44	PX
453.8875	do	27	PX
453.89375	do	44	PX
453.900	do		PX
453.90625	do	44	PX
453.9125	do	27	PX
453.91875	do	44	PX
453.925	do		PX
453.93125	do	44	PX
453.9375	do	27	PX
453.94375	do	44	PX
453.950	do		PX
453.95625	do	44	PX
453.9625	do	27	PX
453.96875	do	44	PX
453.975	do		PX
453.98125	do	44	PX
453.9875	do	27	PX
453.99375	do	44	PX
458.0125	Mobile	57	PS
458.025	Radio call boxes, fixed, or mobile	58, 59, 61, 62, 63	PX
458.03125	Mobile	44, 59, 61, 62	PM
458.0375	do	27, 59, 61, 62	PX
458.04375	do	44, 59, 61, 62	PM
458.050	do		PX
458.05625	do	44	PX
458.0625	do	27	PX
458.06875	do	44	PX
458.075	Radio call boxes, fixed, or mobile	58, 59, 61, 62, 63	PX
458.08125	Mobile	44, 59, 61, 62	PM
458.0875	do	27, 59, 61, 62	PX
458.09375	do	44, 59, 61, 62	PM
458.100	do		PX
458.10625	do	44	PX
458.1125	do	27	PX
458.11875	do	44	PX
458.125	Radio call boxes, fixed, or mobile	58, 59, 61, 62, 63	PX
458.13125	Mobile	44, 59, 61, 62	PM
458.1375	do	27, 59, 61, 62	PX
458.14375	do	44, 59, 61, 62	PM
458.150	do		PX
458.15625	do	44	PX
458.1625	do	27	PX
458.16875	do	44	PX
458.175	Radio call boxes, fixed, or mobile	58, 59, 61, 62, 63	PX
458.18125	Mobile	44, 59, 61, 62	PM
458.1875	do	27, 59, 61, 62	PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
458.19375	do	44, 59, 61, 62	PM
458.200	do		PX
458.20625	do	44	PX
458.2125	do	27	PX
458.21875	do	44	PX
458.225	do		PX
458.23125	do	44	PX
458.2375	do	27	PX
458.24375	do	44	PX
458.250	do		PX
458.25625	do	44	PX
458.2625	do	27	PX
458.26875	do	44	PX
458.275	do		PX
458.28125	do	44	PX
458.2875	do	27	PX
458.29375	do	44	PX
458.300	do		PX
458.30625	do	44	PX
458.3125	do	27	PX
458.31875	do	44	PX
458.325	do		PX
458.33125	do	44	PX
458.3375	do	27	PX
458.34375	do	44	PX
458.350	do		PX
458.35625	do	44	PX
458.3625	do	27	PX
458.36875	do	44	PX
458.375	do		PX
458.38125	do	44	PX
458.3875	do	27	PX
458.39375	do	44	PX
458.400	do		PX
458.40625	do	44	PX
458.4125	do	27	PX
458.41875	do	44	PX
458.425	do		PX
458.43125	do	44	PX
458.4375	do	27	PX
458.44375	do	44	PX
458.450	do		PX
458.45625	do	44	PX
458.4625	do	27	PX
458.46875	do	44	PX
458.475	do		PX
458.48125	do	44	PX
458.4875	do	27	PX
458.49375	do	44	PX
458.500	do		PX
458.50625	do	44	PX
458.5125	do	27	PX
458.51875	do	44	PX
458.525	do		PX
458.53125	do	44	PX
458.5375	do	27	PX
458.54375	do	44	PX
458.550	do		PX
458.55625	do	44	PX
458.5625	do	27	PX
458.56875	do	44	PX
458.575	do		PX
458.58125	do	44	PX
458.5875	do	27	PX
458.59375	do	44	PX
458.600	do		PX
458.60625	do	44	PX
458.6125	do	27	PX
458.61875	do	44	PX
458.625	do		PX
458.63125	do	44	PX
458.6375	do	27	PX

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
458.64375	do	44	PX
458.650	do		PX
458.65625	do	44	PX
458.6625	do	27	PX
458.66875	do	44	PX
458.675	do		PX
458.68125	do	44	PX
458.6875	do	27	PX
458.69375	do	44	PX
458.700	do		PX
458.70625	do	44	PX
458.7125	do	27	PX
458.71875	do	44	PX
458.725	do		PX
458.73125	do	44	PX
458.7375	do	27	PX
458.74375	do	44	PX
458.750	do		PX
458.75625	do	44	PX
458.7625	do	27	PX
458.76875	do	44	PX
458.775	do		PX
458.78125	do	44	PX
458.7875	do	27	PX
458.79375	do	44	PX
458.800	do		PX
458.80625	do	44	PX
458.8125	do	27	PX
458.81875	do	44	PX
458.825	do		PX
458.83125	do	44	PX
458.8375	do	27	PX
458.84375	do	44	PX
458.850	do		PX
458.85625	do	44	PX
458.8625	do	27	PX
458.86875	do	44	PX
458.875	do		PX
458.88125	do	44	PX
458.8875	do	27	PX
458.89375	do	44	PX
458.900	do		PX
458.90625	do	44	PX
458.9125	do	27	PX
458.91875	do	44	PX
458.925	do		PX
458.93125	do	44	PX
458.9375	do	27	PX
458.94375	do	44	PX
458.950	do		PX
458.95625	do	44	PX
458.9625	do	27	PX
458.96875	do	44	PX
458.975	do		PX
458.98125	do	44	PX
458.9875	do	27	PX
458.99375	do	44	PX
460.0125	do	27, 64	PP
460.01875	Base or mobile	44	PP
460.025	do		PP
460.03125	do	44	PP
460.0375	do	27	PP
460.04375	do	44	PP
460.050	do		PP
460.05626	do	44	PP
460.0625	do	27	PP
460.06875	do	44	PP
460.075	do		PP
460.08125	do	44	PP
460.0875	do	27	PP
460.09375	do	44	PP
460.100	do		PP

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
460.10625	do	44	PP
460.1125	do	27	PP
460.11875	do	44	PP
460.125	do		PP
460.13125	do	44	PP
460.1375	do	27	PP
460.14375	do	44	PP
460.150	do		PP
460.15625	do	44	PP
460.1625	do	27	PP
460.16875	do	44	PP
460.175	do		PP
460.18125	do	44	PP
460.1875	do	27	PP
460.19375	do	44	PP
460.200	do		PP
460.20625	do	44	PP
460.2125	do	27	PP
460.21875	do	44	PP
460.225	do		PP
460.23125	do	44	PP
460.2375	do	27	PP
460.24375	do	44	PP
460.250	do		PP
460.25625	do	44	PP
460.2625	do	27	PP
460.26875	do	44	PP
460.275	do		PP
460.28125	do	44	PP
460.2875	do	27	PP
460.29375	do	44	PP
460.300	do		PP
460.30625	do	44	PP
460.3125	do	27	PP
460.31875	do	44	PP
460.325	do		PP
460.33125	do	44	PP
460.3375	do	27	PP
460.34375	do	44	PP
460.350	do		PP
460.35625	do	44	PP
460.3625	do	27	PP
460.36875	do	44	PP
460.375	do		PP
460.38125	do	44	PP
460.3875	do	27	PP
460.39375	do	44	PP
460.400	do		PP
460.40625	do	44	PP
460.4125	do	27	PP
460.41875	do	44	PP
460.425	do		PP
460.43125	do	44	PP
460.4375	do	27	PP
460.44375	do	44	PP
460.450	do		PP
460.45625	do	44	PP
460.4625	do	27	PP
460.46875	do	44	PP
460.475	do		PP
460.48125	do	44	PP
460.4875	do	27	PP
460.49375	do	44	PP
460.500	do		PP
460.50625	do	44	PP
460.5125	do	27	PP
460.51875	do	44	PP
460.525	do		PP, PF, PM
460.53125	do	44	PP, PF, PM
460.5375	do	27	PP, PF, PM
460.54375	do	44	PP, PF, PM
460.550	do		PP, PF, PM

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
460.55625	do	44	PP, PF, PM
460.5625	do	27	PP, PF, PM
460.56875	do	44	PP, PF, PM
460.575	do		PF
460.58125	do	44	PF
460.5875	do	27	PF
460.59375	do	44	PF
460.600	do		PF
460.60625	do	44	PF
460.6125	do	27	PF
460.61875	do	44	PF
460.625	do		PF
460.63125	do	44	PF
460.6375	do	27	PF
460.64375	do	44	PF
462.9375	Mobile	57	PS
462.950	Base or mobile	38, 65	PM
462.95625	do	38, 44, 65	PM
462.9625	do	27, 38, 65	PM
462.96875	do	38, 44, 65	PM
462.975	do	38, 65	PM
462.98125	do	38, 44, 65	PM
462.9875	do	27, 38, 65	PM
462.99375	do	38, 44, 65	PM
463.000	do	59, 66, 67	PM
463.00625	do	44, 59, 66, 67	PM
463.0125	do	27, 59, 66, 67	PM
463.01875	do	44, 59, 66, 67	PM
463.025	do	59, 66, 67	PM
463.03125	do	44, 59, 66, 67	PM
463.0375	do	27, 59, 66, 67	PM
463.04375	do	44, 59, 66, 67	PM
463.050	do	59, 66, 67	PM
463.05625	do	44, 59, 66, 67	PM
463.0625	do	27, 59, 66, 67	PM
463.06875	do	44, 59, 66, 67	PM
463.075	do	59, 66, 76	PM
463.08125	do	44, 59, 66, 76	PM
463.0875	do	27, 59, 66, 76	PM
463.09375	do	44, 59, 66, 76	PM
463.100	do	59, 66, 76	PM
463.10625	do	44, 59, 66, 76	PM
463.1125	do	27, 59, 66, 76	PM
463.11875	do	44, 59, 66, 76	PM
463.125	do	59, 66, 76	PM
463.13125	do	44, 59, 66, 76	PM
463.1375	do	27, 59, 66, 76	PM
463.14375	do	44, 59, 66, 76	PM
463.150	do	59, 66, 76	PM
463.15625	do	44, 59, 66, 76	PM
463.1625	do	27, 59, 66, 76	PM
463.16875	do	44, 59, 66, 76	PM
463.175	do	59, 66, 76	PM
463.18125	do	44, 59, 66, 76	PM
463.1875	do	27, 59, 66, 76	PM
463.19375	do	44, 59, 66, 76	PM
465.0125	Mobile	57	PP
465.025	do		PP
465.03125	do	44	PP
465.0375	do	27	PP
465.04375	do	44	PP
465.050	do		PP
465.05625	do	44	PP
465.0625	do	27	PP
465.06875	do	44	PP
465.075	do		PP
465.08125	do	44	PP
465.0875	do	27	PP
465.09375	do	44	PP
465.100	do		PP
465.10625	do	44	PP
465.1125	do	27	PP

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
465.11875	do	44	PP
465.125	do		PP
465.13125	do	44	PP
465.1375	do	27	PP
465.14375	do	44	PP
465.150	do		PP
465.15625	do	44	PP
465.1625	do	27	PP
465.16875	do	44	PP
465.175	do		PP
465.18125	do	44	PP
465.1875	do	27	PP
465.19375	do	44	PP
465.200	do		PP
465.20625	do	44	PP
465.2125	do	27	PP
465.21875	do	44	PP
465.225	do		PP
465.23125	do	44	PP
465.2375	do	27	PP
465.24375	do	44	PP
465.250	do		PP
465.25625	do	44	PP
465.2625	do	27	PP
465.26875	do	44	PP
465.275	do		PP
465.28125	do	44	PP
465.2875	do	27	PP
465.29375	do	44	PP
465.300	do		PP
465.30625	do	44	PP
465.3125	do	27	PP
465.31875	do	44	PP
465.325	do		PP
465.33125	do	44	PP
465.3375	do	27	PP
465.34375	do	44	PP
465.350	do		PP
465.35625	do	44	PP
465.3625	do	27	PP
465.36875	do	44	PP
465.375	do		PP
465.38125	do	44	PP
465.3875	do	27	PP
465.39375	do	44	PP
465.400	do		PP
465.40625	do	44	PP
465.4125	do	27	PP
465.41875	do	44	PP
465.425	do		PP
465.43125	do	44	PP
465.4375	do	27	PP
465.44375	do	44	PP
465.450	do		PP
465.45625	do	44	PP
465.4625	do	27	PP
465.46875	do	44	PP
465.475	do		PP
465.48125	do	44	PP
465.4875	do	27	PP
465.49375	do	44	PP
465.500	do		PP
465.50625	do	44	PP
465.5125	do	27	PP
465.51875	do	44	PP
465.525	do		PP, PF, PM
465.53125	do	44	PP, PF, PM
465.5375	do	27	PP, PF, PM
465.54375	do	44	PP, PF, PM
465.550	Base or mobile		PP, PF, PM
465.55625	do	44	PP, PF, PM
465.5625	do	27	PP, PF, PM

PUBLIC SAFETY POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
465.56875	.....do	44	PP, PF, PM
465.575	Mobile		PF
465.58125	.....do	44	PF
465.5875	.....do	27	PF
465.59375	.....do	44	PF
465.600	.....do		PF
465.60625	.....do	44	PF
465.6125	.....do	27	PF
465.61875	.....do	44	PF
465.625	.....do		PF
465.63125	.....do	44	PF
465.6375	.....do	27	PF
465.64375	.....do	44	PF
467.9375	.....do	57	PS
467.950	.....do	38, 65	PM
467.95625	.....do	38, 44, 65	PM
467.9625	.....do	27, 38, 65	PM
467.96875	.....do	38, 44, 65	PM
467.975	.....do	38, 65	PM
467.98125	.....do	38, 44, 65	PM
467.9875	.....do	27, 38, 65	PM
467.99375	.....do	38, 44, 65	PM
468.000	.....do	59, 66, 67	PM
468.00625	.....do	44, 59, 66, 67	PM
468.0125	.....do	27, 59, 66, 67	PM
468.01875	.....do	44, 59, 66, 67	PM
468.025	.....do	59, 66, 67	PM
468.03125	.....do	44, 59, 66, 67	PM
468.0375	.....do	27, 59, 66, 67	PM
468.04375	.....do	44, 59, 66, 67	PM
468.050	.....do	59, 66, 67	PM
468.05625	.....do	44, 59, 66, 67	PM
468.0625	.....do	27, 59, 66, 67	PM
468.06875	.....do	44, 59, 66, 67	PM
468.075	.....do	59, 66, 76	PM
468.08125	.....do	44, 59, 66, 76	PM
468.0875	.....do	27, 59, 66, 76	PM
468.09375	.....do	44, 59, 66, 76	PM
468.100	.....do	59, 66, 76	PM
468.10625	.....do	44, 59, 66, 76	PM
468.1125	.....do	27, 59, 66, 76	PM
468.11875	.....do	44, 59, 66, 76	PM
468.125	.....do	59, 66, 76	PM
468.13125	.....do	44, 59, 66, 76	PM
468.1375	.....do	27, 59, 66, 76	PM
468.14375	.....do	44, 59, 66, 76	PM
468.150	.....do	59, 66, 76	PM
468.15625	.....do	44, 59, 66, 76	PM
468.1625	.....do	27, 59, 66, 76	PM
468.16875	.....do	44, 59, 66, 76	PM
468.175	.....do	59, 66, 76	PM
468.18125	.....do	44, 59, 66, 76	PM
468.1875	.....do	27, 59, 66, 76	PM
468.19375	.....do	44, 59, 66, 76	PM
470 to 512	Base or mobile	68	PX
806 to 824	Mobile	69.	
851 to 859	Base or mobile	69.	
928 and above	Operational fixed	70.	
929 to 930	Base only	71.	
1,427 to 1,435	Operational fixed, base, or mobile	72.	
2,450 to 2,500	Base or mobile	73.	
10,550 to 10,680	.....do	74.	

(d) Explanation of assignment limitations appearing in the frequency table of paragraph (c)(3) of this section:

(1) This frequency is available for use by Travelers' Information Stations in accordance with § 90.242.

(2) The frequency is available for assignment only in accordance with a geographical assignment plan.

(3) Base stations operating on this frequency and rendering service to state police mobile units may be authorized to use a maximum output power in excess of the maximum indicated in § 90.205 but not in excess of 7500 watts: Provided, That such operation is secondary to other stations.

(4) The use of this frequency is on a secondary basis to any Canadian station.

(5) In addition to base and mobile stations, this frequency may be assigned to fixed stations on a secondary basis to base or mobile stations. Upon a showing of need, the use of a second frequency in the band 2505–3500 kHz may be made available to governmental entities through appropriate arrangements with Federal Government agencies for restricted area use on a shared basis with maximum power output, emission, and hours of operation determined on the basis of the technical conditions involved in using the selected frequency in the particular area.

(6) Only the central governments of the fifty individual States, the District of Columbia, and the insular areas of the Commonwealth of the Northern Mariana Islands, the Commonwealth of Puerto Rico, and the unincorporated territories of American Samoa, Guam and the United States Virgin Islands are eligible to be licensed to use this spectrum, and then only for disaster communications purposes. Licensees may not use this spectrum to provide operational communications circuits. See also, § 90.264.

(7) This frequency is shared with the Industrial/Business Pool.

(8) This frequency is available for assignment only in accordance with a geographical assignment plan. This frequency may be used for conservation activities on a secondary basis to any station using the frequency for forest fire prevention, detection, and suppression.

(9) This frequency is reserved primarily for assignment to state licensees. Assignments to other licensees will be made only where the frequency is required for coordinated operation with the State system to which the frequency is assigned. Any request for such assignment must be supported by a statement from the State system concerned, indicating that the assignment is necessary for coordination of activities.

(10) A licensee regularly conducting two-way communication operations on this frequency may, on a secondary basis, also transmit one-way alert-paging signals to ambulance and rescue squad personnel.

(11) The maximum output power of any transmitter authorized to operate on this frequency shall not exceed 10 watts.

(12) This frequency is available in this service only to persons eligible under the provisions of paragraph (a)(2)(v) of this section for operation of transmitters having a maximum power output of three watts using A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission. This frequency is also available in the Industrial/Business Pool on a co-equal basis with the Public Safety licensees.

(13) This frequency will be assigned only for one-way paging communications to mobile receivers. Transmissions for the purpose of activating or controlling remote objects on this frequency are not authorized.

(14) The maximum output power of any transmitter authorized to operate on this frequency, after June 1, 1956, shall not exceed two watts. Licensees holding a valid authorization as of June 1, 1956, for base or mobile station operation on this frequency, with a power in excess of two watts, may continue to be authorized for such operation without regard to this power limitation.

(15) This frequency is reserved for assignment to stations for intersystem operations only: Provided, however, That licensees holding a valid authorization to use this frequency for local base or mobile operations as of June 1, 1956, may continue to be authorized for such use.

(16) This frequency is reserved primarily for assignment to state police licensees. Assignments to other police licensees will be made only where the frequency is required for coordinated operation with the state police system to which the frequency is assigned. Any request for such assignment must be supported by a statement from the state police system concerned indicating that the assignment is necessary for coordination of police activities.

(17) In the State of Alaska only, the frequency 42.40 MHz is available for assignment on a primary basis to stations in the Common Carrier Rural Radio Service utilizing meteor burst communications. The frequency may be used by private radio stations for meteor burst communications on a secondary, noninterference basis. Usage shall be in accordance with part 22 of this chapter or part 90. Stations utilizing meteor burst communications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(18) No new licenses will be granted for one-way paging under § 90.487 for use on this frequency after August 1, 1980. This frequency is available to persons eligible for station licenses under the provisions of paragraph (a)(2)(v) of this section on a co-equal basis with one-way paging users under § 90.487 prior to August 1, 1985, and on a primary basis after August 1, 1985. Only A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, G2D emissions and power not exceeding 10 watts will be authorized. Antennas having gain greater than 0 dBd will not be authorized. Transmissions shall not exceed two seconds duration.

(19) This frequency is reserved for assignment to stations in this service for intersystem operations only and these operations must be primarily base-mobile communications.

(20) In the State of Alaska only, the frequency 45.90 MHz is available for assignment on a primary basis to private land mobile radio stations utilizing meteor burst communications. The frequency may be used by common carrier stations for meteor burst communications on a secondary, noninterference basis. Usage shall be in accordance with part 22 of this chapter and part 90. Stations utilizing meteor burst communications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(21) This frequency will be assigned only in accordance with a geographical assignment plan and is reserved primarily for assignment to Highway maintenance systems operated by states. The use of this frequency by other Highway maintenance licensees will be authorized only where such use is necessary to coordinate activities with the particular state to which the frequency is assigned. Any request for such use must be supported by a statement from the state concerned.

(22) Notwithstanding the provisions of paragraph (d)(21) of this section, this frequency may be used by any licensees in the Public Safety Pool without a separate license for the purpose of operating self-powered vehicle detectors for traffic control and safety purposes, on a secondary basis, in accordance with § 90.269.

(23) Thus frequency is reserved for assignment only to national organizations eligible for disaster relief operations under paragraph (a)(2)(vii) of this section.

(24) Assignment and use of frequencies in the band 72–76 MHz are governed by § 90.257 for operational-fixed stations and by § 90.241 for emergency call box operations. Specific frequencies are listed at § 90.257(a)(1).

(25) This frequency is available to Public Safety Pool licensees for fire call box operations on a shared basis in Industrial/Business Pool. All communications on this frequency must be conducted with persons or organizations charged with specific fire protection responsibility. All operations on this frequency are subject to the provisions of § 90.257(b).

(26) Assignment of frequencies in this band are subject to the provisions of § 90.173. Licensees as of August 18, 1995 who operate systems in the 150–

170 MHz band that are 2.5 kHz removed from regularly assignable frequencies may continue to operate on a secondary, non-interference basis after August 1, 2003.

(27) This frequency will be assigned with an authorized bandwidth not to exceed 11.25 kHz. In the 450–470 MHz band, secondary telemetry operations pursuant to § 90.238(e) will be authorized on this frequency.

(28) This frequency is not available for assignment in this service in Puerto Rico or the Virgin Islands.

(29) This frequency is removed by 22.5 kHz from frequencies assigned to other radio services. Utilization of this frequency may result in, as well as be subject to, interference under certain operating conditions. In considering the use of this frequency, adjacent channel operations should be taken into consideration. If interference occurs, the licensee may be required to take the necessary steps to resolve the problem. See § 90.173(b).

(30) This frequency will be authorized a channel bandwidth of 25 kHz.

(31) The maximum output power of any transmitter authorized to operate on this frequency shall not exceed 100 watts. Stations authorized prior to July 15, 1992 for fixed operations will be permitted to continue such operations, but at a maximum transmitter power output of 10 watts.

(32) The maximum effective radiated power (ERP) may not exceed 20 watts for fixed stations and 2 watts for mobile stations. The height of the antenna system may not exceed 15.24 meters (50 ft.) above ground. All such operation is on a secondary basis to adjacent channel land mobile operations.

(33) For FM transmitters, the sum of the highest modulating frequency in Hertz and the amount of the frequency deviation or swing in Hertz may not exceed 2800 Hz and the maximum deviation may not exceed 2.5 kHz. For AM transmitters, the highest modulation frequency may not exceed 2000 Hz. The carrier frequency must be maintained within .0005 percent of the center of the frequency band, and the authorized bandwidth may not exceed 6 kHz.

(34) This frequency is available on a shared basis with the Industrial/Business Pool for remote control and telemetry operations.

(35) Operational fixed stations must employ directional antennas having a front-to-back ratio of at least 20 dB. Omnidirectional antennas having unity gain may be employed for stations communicating with at least three receiving locations separated by 160 degrees of azimuth.

(36) The maximum power output of the transmitter may not exceed 50 watts for fixed stations and 1 watt for mobile stations. A1A, A1D, A2B, A2D, F1B, F1D, F2D, G1B, G1D, G2B, or G2D emission may be authorized.

(37) Use of this frequency is limited to stations located at least 120.7 km (75 miles) from the center of any urbanized area of 200,000 or more population (U.S. Census of Population 1970). Operation is on a secondary basis to licensees of the Industrial/Business Pool.

(38) A licensee regularly conducting two-way communications operations on this frequency may, on a secondary basis, also transmit one-way alert-paging signals to ambulance and rescue squad personnel.

(39) In addition to other authorized uses, the use of F1B, F1D, F2B or F2D emission is permitted on this frequency for the operation of biomedical telemetry systems except in the following geographic locations:

(i) New York, N.Y.-Northeastern New Jersey; Los Angeles-Long Beach, Calif.; Chicago, Ill.-Northwestern Indiana; Philadelphia, Pa.-N.J.; Detroit, Mich.; San Francisco-Oakland, Calif.; Boston, Mass.; Washington, D.C.-Md.-Va.; Cleveland, Ohio; St. Louis, Mo.-Ill.; Pittsburgh, Pa.; Minneapolis-St. Paul, Minn.; Houston, Tex.; Baltimore, Md.; Dallas, Tex.; Milwaukee, Wis.; Seattle-Everett, Wash.; Miami, Fla.; San Diego, Calif.; Atlanta, Ga.; Cincinnati, Ohio-Ky.; Kansas City, Mo.-Kans.; Buffalo, N.Y.; Denver, Colo.; San Jose, Calif.; New Orleans, La.; Phoenix, Ariz.; Portland, Oreg.-Wash.; Indianapolis, Ind.; Providence-Pawtucket-Warwick, R.I.-Mass.; Columbus, Ohio; San Antonio, Tex.; Louisville, Ky.-Ind.; Dayton, Ohio; Forth Worth, Tex.; Norfolk-Portsmouth, Va.; Memphis, Tenn.-Miss.; Sacramento, Calif.; Fort Lauderdale-Hollywood, Fla.; Rochester, N.Y.; Tampa-St. Petersburg, Fla;

(ii) The continuous carrier mode of operation may be used for telemetry transmissions on this frequency for periods up to two-minutes duration; following which there must be a break in the carrier for at least a one-minute period; and

(iii) Geographical coordinates for the above-listed urbanized areas may be found at Table 1 of § 90.635.

(40) This frequency may be designated by common consent as an intersystem mutual assistance frequency under an area-wide medical communications plan.

(41) This frequency is available nationwide for use in police emergency communications networks operated under statewide law enforcement emergency communications plans.

(42) This frequency may not be assigned within 161 km (100 miles) of New Orleans (coordinates 29°56′53″ N and 90°04′10″ W).

(43) This frequency is reserved for assignment for use in highway maintenance systems operated by licenses other than States.

(44) This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(45) Operations on this frequency are limited to 30 watts transmitter output power.

(46) This frequency is shared with the Industrial/Business Pool in Puerto Rico and the Virgin Islands.

(47) This frequency may be assigned to stations in the Public Safety Pool, only at points within 240 km. (150 mi.) of New York, N.Y.

(48) Frequencies in this band will be assigned for low power wireless microphones in accordance with the provisions of § 90.265.

(49) This frequency will be assigned only to licensees directly responsible for the prevention, detection, and suppression of forest fires, on a secondary basis to any U.S. Government station.

(50) This frequency will be assigned for use only in areas west of the Mississippi River.

(51) This frequency will be assigned for use only in areas east of the Mississippi.

(52) In addition to agencies responsible for forest fire prevention, detection, and suppression, this frequency may be assigned to conservation agencies which do not have forest fire responsibilities on a secondary basis to any U.S. Government stations, *Provided,* That such assignment is necessary to permit mobile relay operation by such agencies.

(53) This frequency is subject to the provisions of paragraph (e)(6) of this section.

(54) For FM transmitters, the sum of the highest modulating frequency in hertz and the amount of the frequency deviation or swing in hertz may not exceed 1700 Hz and the maximum deviation may not exceed 1.2 kHz. For AM transmitters, the highest modulating frequency may not exceed 1200 Hz. The carrier frequency must be maintained within .0005 percent of the center of the frequency band, and the authorized bandwidth may not exceed 3 kHz.

(55) Subpart T of this part contains rules for assignment of frequencies in the 220–222 MHz band.

(56) The frequencies available for use at fixed stations in this band and the requirements for assignment are set forth in § 90.261. Operation on these

frequencies is secondary to stations in the Industrial/Business Pool where they are assigned for land mobile operations.

(57) This frequency is available for systems first licensed prior to August 18, 1995. No new systems will be authorized after August 18, 1995, but prior authorized systems may be modified, expanded, and renewed.

(58) This frequency is available for systems first licensed prior to March 31, 1980, for radio call box communications related to safety on highways in accordance with the provisions of § 90.241(c). No new systems will be authorized of this nature, but systems authorized prior to March 31, 1980 may be modified, expanded, and renewed.

(59) The continuous carrier mode of operation may be used for telemetry transmission on this frequency.

(60) Paging licensees as of March 20, 1991, may continue to operate on a primary basis until January 14, 1998.

(61) Highway radio call box operations first licensed prior to March 31, 1980 on this frequency may continue to operate in accordance with paragraph (d)(58) of this section.

(62) This frequency is also authorized for use for operations in biomedical telemetry stations. FIB, FID, F2B, F2D, F3E, G1B, G1D, G2B, G2D, and G3E emissions may be authorized for bio-medical transmissions.

(63) Available for medical services mobile operations in the Public Safety Pool in accordance with paragraph (d)(61) of this section.

(64) Use of this frequency is on a secondary basis and subject to the provisions of § 90.267 (a)(3), (a)(4), (a)(5), and (a)(7).

(65) This frequency is primarily authorized for use in the dispatch of medical care vehicles and personnel for the rendition or delivery of medical services. This frequency may also be assigned for intra-system and inter-system mutual assistance purposes. For uniformity in usage these frequency pairs may be referred to by channel name as follows:

Frequencies base and mobile (megahertz)	Mobile only (MHz)	Channel name
462.950	467.950	MED–9
462.95625	467.95625	MED–91
462.9625	467.9625	MED–92
462.96875	467.96875	MED–93
462.975	467.975	MED–10
462.98125	467.98125	MED–101
462.9875	467.9875	MED–102
462.99375	467.99375	MED–103

(66) For applications for new radio systems, the thirty-two frequency pairs listed in paragraph (d)(66)(i) of this section will be assigned in a block for shared operation under § 90.20(a)(1)(iii) or § 90.20(a)(2)(xiii) subject to the following:

(i) For uniformity in usage, these frequency pairs may be referred to by channel name as follows:

Frequencies base and mobile (megahertz)	Mobile only (MHz)	Channel name
463.000	468.000	MED–1
463.00625	468.00625	MED–11
463.0125	468.0125	MED–12
463.01875	468.01875	MED–13
463.025	468.025	MED–2
463.03125	468.03125	MED–21
463.0375	468.0375	MED–22
463.04375	468.04375	MED–23
463.050	468.050	MED–3
463.05625	468.05625	MED–31
463.0625	468.0625	MED–32
463.06875	468.06875	MED–33
46.075	46.075	MED–4
463.08125	468.08125	MED–41
463.0875	468.0875	MED–42
463.09375	468.09375	MED–43
463.100	468.100	MED–5
463.10625	468.10625	MED–51
463.1125	468.1125	MED–52
463.11875	468.11875	MED–53
463.125	468.125	MED–6
463.13125	468.13125	MED–61
463.1375	468.1375	MED–62
463.14375	468.14375	MED–63
463.150	468.150	MED–7
463.15625	468.15625	MED–71
463.1625	468.1625	MED–72
463.16875	468.16875	MED–73
463.175	468.175	MED–8
463.18125	468.18125	MED–81
463.1875	468.1875	MED–82
463.19375	468.19375	MED–83

(ii) Except as provided in paragraphs (d)(66) (iii) and (iv) of this section, mobile or portable stations must employ equipment that is both wired and equipped to transmit/receive, respectively, on each of these MED frequency pairs with transmitters operated on the 468 MHz frequencies.

(iii) Portable (hand-held) units operated with a maximum output power of 2.5 watts are exempted from the multi-channel equipment requirements specified in paragraph (d)(66)(ii) of this section.

(iv) Stations located in areas above line A, as defined in § 90.7 will be required to meet multi-channel equipment requirements only for those frequencies up to the number specified in paragraph (d)(66)(ii) of this section that have been assigned and coordinated with Canada in accordance with the applicable U.S.-Canada agreement.

(67) This frequency is authorized for use only for operations in biomedical telemetry stations. F1B, F1D, F2B, F2D, F3E, G1B, G1D, G2B, G2D and G3E emissions may be authorized. Entities eligible in the Public Safety Pool may use this frequency on a secondary basis for any other permissible communications consistent with § 90.20(a)(1)(iii) or § 90.20(a)(2)(xiii).

(68) Subpart L of this part contains rules for assignment of frequencies in the 470–512 MHz band.

(69) Subpart S of this part contains rules for assignment of frequencies in the 806–824 MHz and 851–869 MHz bands.

(70) Assignment of frequencies above 928 MHz for operational-fixed stations is governed by part 94 of this chapter.

(71) Frequencies in this band are available only for one-way paging operations in accordance with § 90.494.

(72) This frequency band is available to stations in this service subject to the provisions of § 90.259.

(73) Available only on a shared basis with stations in other services, and subject to no protection from interference due to the operation of industrial, scientific, or medical (ISM) devices. In the 2483.5–2500 MHz band, no applications for new stations or modification to existing stations to increase the number of transmitters will be accepted. Existing licensees as of July 25, 1985, or on a subsequent date following as a result of submitting an application for license on or before July 25, 1985, are grandfathered and their operation is co-primary with the Radiodetermination Satellite Service.

(74) This band is available for Digital Termination Systems and for associated internodal links in the Point-to-Point Microwave Radio Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(75) Appropriate frequencies in the band 2000–3000 kHz which are designated in part 80 of this chapter as available to Public Ship Stations for telephone communications with Public Coast Stations may be assigned on a secondary basis to fixed Stations in the Public Safety Pool for communication with Public Coast Stations only, provided such stations are located in the United States and the following conditions are met:

(i) That such fixed station is established pursuant to the eligibility provisions of (§ 90.47) and that the isolated area involved is an island or other location not more than 480 km (300 statute miles) removed from the desired;

(ii) That evidence is submitted showing that an arrangement has been made with the coast station licensee for the handling of emergency communications permitted by § 80.453

of this chapter and § 90.20(a)(2)(x)(C); and

(iii) That operation of the Public Safety fixed station shall at no time conflict with any provision of part 80 of this chapter and further, that such operation in general shall conform to the practices employed by Public Ship Stations for radiotelephone communication with the same Public Coast Station.

(76) This frequency is authorized only for communications between medical facilities vehicles and personnel related to medical supervision and instruction for the treatment and transport of patients in the rendition or delivery of medical services. F1B, F1D, F2B, F2D, G1B, G1D, G2B, F3E and G3E emissions are authorized. Public Safety entities may use this frequency on a secondary basis for any other permissible communications consistent with § 90.20(a)(1)(iii) or § 90.20(a)(2)(xiii).

(e) *Additional frequencies available.* In addition to the frequencies shown in the frequency table of this section, the following frequencies are available in this service. (See also § 90.253.)

(1) Substitution of frequencies available below 25 MHz may be made in accordance with the provisions of § 90.263.

(2) Frequencies in the band 73.0–74.6 MHz may be assigned to stations authorized their use on or before December 1, 1961, but no new stations will be authorized in this band, nor will expansion of existing systems be permitted. See also § 90.257.

(3) The frequency bands 31.99 to 32.00 MHz, 33.00 to 33.01 MHz, 33.99 to 34.00 MHz, 37.93 to 38.00 MHz, 39.00 to 39.01 MHz, 39.99 to 40.00 MHz and 42.00 to 42.01 MHz, are available for assignment for developmental operation subject to the provisions of subpart Q of this part.

(4) Frequencies in the 421–430 MHz band are available in the Detroit, Cleveland, and Buffalo areas in accordance with the rules in §§ 90.273 through 90.281.

(5) A Police licensee may use transmitters on the frequencies indicated below in connection with official police activities without specific authorization from the Commission, provided that such use shall be on a secondary basis and shall not cause harmful interference to services of other licensees operating on regularly assigned frequencies, and further provided that all such use complies with the requirements of Federal, State and local laws. The provisions of § 90.429 shall not apply to transmitters authorized under this paragraph. To be eligible for operations in this manner, the transmitter must comply with all of the following requirements.

(i) In accordance with § 90.203 and § 2.803 of this chapter, the transmitter must be of a type which has been type accepted by the Commission.

(ii) The carrier frequency shall be within the bands listed below and must be maintained within 0.005 percent of the frequency of operation. Use on assigned channel center frequencies is not required.

30.85–30.87 MHz
30.89–30.91 MHz
30.93–30.95 MHz
30.97–30.99 MHz
31.01–31.03 MHz
31.05–31.07 MHz
31.09–31.11 MHz
31.13–31.15 MHz
31.17–31.19 MHz
31.21–31.23 MHz
31.25–31.27 MHz
31.29–31.31 MHz
31.33–31.35 MHz
31.37–31.39 MHz
31.41–31.43 MHz
31.45–31.47 MHz
31.49–31.51 MHz
31.53–31.55 MHz
31.57–31.59 MHz
31.61–31.63 MHz
31.65–31.67 MHz
31.69–31.71 MHz
31.73–31.75 MHz
31.77–31.79 MHz
31.81–31.83 MHz
31.85–31.87 MHz
31.89–31.91 MHz
31.93–31.95 MHz
31.97–32.00 MHz
33.00–33.03 MHz
33.05–33.07 MHz
33.41–34.00 MHz
37.00–37.43 MHz
37.89–38.00 MHz
39.00–40.00 MHz
42.00–42.91 MHz
44.61–45.91 MHz
45.93–45.95 MHz
45.97–45.99 MHz
46.01–46.03 MHz
46.05–46.60 MHz
47.00–47.41 MHz
150.995–151.490 MHz
153.740–154.445 MHz
154.635–155.195 MHz
155.415–156.250 MHz
158.715–159.465 MHz
453.0125–453.9875 MHz
458.0125–458.9875 MHz
460.0125–460.5125 MHz
460.5625–460.6375 MHz
462.9375–462.9875 MHz
465.0125–465.5125 MHz
465.5625–465.6375 MHz
467.9375–467.9875 MHz

(iii) The emitted signal shall be non-voice modulation (type PO emission).

(iv) The maximum occupied bandwidth, containing 99 percent of the radiated power, shall not exceed 2.0 kHz.

(v) The transmitter output power shall not exceed a mean power of 30 mW nor shall any peak exceed 1 watt peak power, as measured into a 50 ohm resistive load. Should the transmitter be supplied with a permanently attached antenna or should the transmitter and antenna combination be contained in a sealed unit, the following standard may be used in lieu of the above: the field strength of the fundamental signal of the transmitter and antenna combination shall not exceed 0.4 V/m mean or 2.3 V/m peak when measured at a distance of 3 meters.

(vi) The transmitter shall contain positive means to limit the transmission time to no more than 10 days. In the event of a malfunction of this positive means, the transmitter signal shall cease. The use of battery life to accomplish the transmission time limitation is permissible.

(6) The frequency 173.075 MHz is available for stolen vehicle recovery systems on a shared basis with the Federal Government. Stolen vehicle recovery systems are limited to recovering stolen vehicles and are not authorized for general purpose vehicle tracking or monitoring. Mobile transmitters operating on this frequency are limited to 2.5 watts power output and base transmitters are limited 300 watts ERP. F1D and F2D emissions may be used within a maximum authorized 20 kHz bandwidth. Transmissions from mobiles shall be limited to 200 milliseconds every 10 seconds, except that when a vehicle is being tracked actively, transmissions may be increased to 200 milliseconds every second. Transmissions from base stations will be limited to a total time of 1 second every minute. Applications for base stations operating on this frequency shall require coordination with the Federal Government. Applicants shall perform an analysis for each base station located within 169 km (105 miles) of a TV channel 7 transmitter of potential interference to TV channel 7 viewers. Such stations will be authorized if the applicant has limited the interference contour to fewer than 100 residences or if the applicant:

(i) Shows that the proposed site is the only suitable location;

(ii) Develops a plan to control any interference caused to TV reception from the operations; and

(iii) Agrees to make such adjustments in the TV receivers affected as may be necessary to eliminate interference caused by its operations. The licensee must eliminate any interference caused by its operation to TV channel 7 reception within 30 days of the time it is notified in writing by the

Commission. If this interference is not removed within the 30-day period, operation of the base station must be discontinued. The licensee is expected to help resolve all complaints of interference.

(f) *Limitation on number of frequencies assignable.* Normally only two frequencies or pairs of frequencies in the paired frequency mode of operation will be assigned for mobile service operations by a single applicant in a given area. The assignment of an additional frequency or pair of frequencies will be made only upon a satisfactory showing of need, except that:

(1) Additional frequencies above 25 MHz may be assigned in connection with the operation of mobile repeaters in accordance with § 90.247 notwithstanding this limitation;

(2) The frequency 39.06 MHz may be assigned notwithstanding this limitation;

(3) Frequencies in the 25–50 MHz, 150–170 MHz, 450–512 MHz and 902–928 MHz bands may be assigned for the operation of Location and Monitoring Service (LMS) systems in accordance with the provisions of subpart M of this part, notwithstanding this limitation;

(4) A licensee of a radio station in the Public Safety Radio Pool may operate radio units for the purpose of determining distance, direction, speed, or position by means of a radiolocation device on any frequency available for radiolocation purposes without specific authorization from the Commission, provided type accepted equipment or equipment authorized pursuant to §§ 90.203(b)(4) and (5) is used and all other rule requirements are satisfied; and

(5) A Police licensee may use, without special authorization from the Commission, any mobile service frequency between 40 and 952 MHz, listed in paragraph (c)(3) of this section, for communications in connection with physical surveillance, stakeouts, raids, and other such activities. Such use shall be on a secondary basis to operations of licensees regularly authorized on the assigned frequencies. The maximum output power that may be used for such communications is 2 watts. Transmitters, operating under this provision of the rules, shall be exempted from the station identification requirements of § 90.425. Use of frequencies not designated by a ''PP'' in the coordinator column of the frequency table in paragraph (c)(3) of this section, is conditional on the approval of the coordinator corresponding to each frequency. Spread spectrum transmitters may be operated on Public Safety Pool frequencies between 37 and 952 MHz, providing that they are type accepted by the Commission under the provisions of § 2.803 of this chapter and § 90.203, and meet the following conditions:

(i) Frequency hopping transmitters can be operated, with a maximum output power of 2 watts, on any Public Safety Pool frequency between 37 and 952 MHz listed in paragraph (c)(3) of this section. At least 20 hopping frequencies shall be used and the average time of occupancy on any frequency shall not be greater than 1/10 second in every 2 seconds;

(ii) Use of spread spectrum transmitters under paragraph (f)(4) of this section is subject to approval by the applicable frequency coordinator of the radio services of the district in which the license and equipment are to be used; and

(iii) The use of direct sequence spread spectrum equipment is also permitted. Equipment must meet the technical standards of § 15.247 of this chapter.

(6) In addition to the frequencies assigned for mobile service operation, one base station frequency above 152 MHz may be assigned as a common frequency to all licensees in a particular area to permit intersystem communication between base stations or mobile stations or both. This frequency use will not be authorized in any area where all available frequencies are required for independent systems.

(7) A licensee may use, without a specific authorization from the Commission, transmitters on the frequencies indicated below in connection with wildlife tracking and/or telemetry and in connection with official forestry-conservation activities, provided that such use shall be on a secondary basis and shall not cause harmful interference to services of other licensees operating on regularly assigned frequencies. The provisions of § 90.203, § 90.425, and § 90.429 shall not apply to transmitters complying with this paragraph. To be eligible for operations in this manner, the transmitter must comply with all of the following requirements.

(i) The carrier frequency shall be within the bands listed below. The carrier frequency must be maintained within 0.005 percent of the frequency of operation.

Use on assigned channel center frequencies is not required.

(MHz)
31.17 to 31.19
31.21 to 31.23
31.25 to 31.27
31.29 to 31.31
31.33 to 31.35
31.37 to 31.39
31.41 to 31.43
31.45 to 31.47
31.49 to 31.51
31.53 to 31.55
31.57 to 31.59
31.61 to 31.63
31.65 to 31.67
31.69 to 31.71
31.73 to 31.75
31.77 to 31.79
31.81 to 31.83
31.85 to 31.87
31.89 to 31.91
31.93 to 31.95
31.97 to 31.99
44.63 to 44.65
44.67 to 44.69
44.71 to 44.73
44.75 to 44.77
44.79 to 44.81
44.83 to 44.85
44.87 to 44.89
44.91 to 44.93
44.95 to 44.97
44.99 to 45.01
45.03 to 45.05
151.145 to 151.475
159.225 to 159.465

(ii) The emitted signal shall be non-voice modulation (A1D, A2D, F1D, or F2D emission).

(iii) The maximum occupied bandwidth, containing 99 percent of the radiated power, shall not exceed 0.25 kHz.

(iv) The transmitter output power shall not exceed a mean power of 5 mW nor shall any peak exceed 100 mW peak power, as measured into a permanently attached antenna; or if the transmitter and antenna combination are contained in a sealed unit, the field strength of the fundamental signal of the transmitter and antenna combination shall not exceed 0.29 V/m mean or 1.28 V/m peak when measured at a distance of 3 meters.

(v) The requirements of § 90.175 regarding frequency coordination apply.

(8) An additional frequency may be assigned for paging operations from those frequencies available under paragraph (d)(13) of this section.

(9) The frequency 155.340 MHz may be assigned as an additional frequency when it is designated as a mutual assistance frequency as provided in paragraph (d)(40) of this section.

(10) Additional frequencies may be assigned for fixed station operations.

(11) The assignment of an additional frequency or frequencies may be authorized notwithstanding this limitation for common, intra-county, intra-fire-district, or intrastate fire coordination operations. The frequency or frequencies requested must be in accordance with a frequency utilization plan, for the area involved, on file with the Commission.

§ 90.22 Paging operations.

Paging operations may be authorized in this service only on frequencies assigned under the provisions of §§ 90.20(d) (10), (13), (60), and (72). Paging operations on other frequencies authorized before August 15, 1974, may be continued only if they do not cause harmful interference to regular operations on the same frequencies. Such paging operations may be renewed indefinitely on a secondary basis to regular operations, except within 125 kilometers (75 mi.) of the following urbanized areas:

Urbanized area	North latitude	West longitude
New York, NY-Northeastern NJ	40–45–06	73–59–39
Los Angeles-Long Beach, CA	34–03–15	118–14–28
Chicago, IL	41–52–28	87–38–22
Philadelphia, PA–NJ	39–56–58	75–09–21
Detroit, MI	42–19–48	83–02–57
San Francisco-Oakland, CA	37–46–39	122–24–40
Boston, MA	42–21–24	71–03–25
Washington, DC–MD–VA	38–53–51	77–00–33
Cleveland, OH	41–29–51	81–41–50
St Louis, MO–IL	38–37–45	90–12–22
Pittsburgh, PA	40–26–19	80–00–00
Minneapolis-St Paul, MN	44–58–57	93–15–43
Houston, TX	29–45–26	95–21–37
Baltimore, MD	39–17–26	76–36–45
Dallas, TX	32–47–09	96–47–37
Milwaukee, WI	43–02–19	87–54–15
Seattle-Everett, WA	47–36–32	122–20–12
Miami, FL	25–46–37	80–11–32
San Diego, CA	32–42–53	117–09–21
Atlanta, GA	33–45–10	84–23–37
Cincinnati, OH–KY	39–06–07	84–30–35
Kansas City, MO–KS	39–04–56	94–35–20
Buffalo, NY	42–52–52	78–52–21
Denver, CO	39–44–58	104–59–22
San Jose, CA	37–20–16	121–53–24
Tampa-St Petersburg, FL	27–51–48	82–33–11
Phoenix, AZ	33–41–10	111–31–15

10. Subpart C is revised to read as follows:

Subpart C—Industrial/Business Radio Pool

Sec.
90.31 Scope.
90.33 General eligibility.
90.35 Industrial/Business Pool.

Subpart C—Industrial/Business Radio Pool

§ 90.31 Scope.

The Industrial/Business Radio Pool covers the licensing of the radio communications of entities engaged in commercial activities, engaged in clergy activities, operating educational, philanthropic, or ecclesiastical institutions, or operating hospitals, clinics, or medical associations. Rules as to eligibility for licensing, frequencies available, permissible communications and classes and number of stations, and any special requirements are set forth in the following sections.

§ 90.33 General eligibility.

(a) In addition to the eligibility shown in the Industrial/Business Pool, eligibility is also provided for any corporation proposing to furnish nonprofit radiocommunication service to its parent corporation, to another subsidiary of the same parent, or to its own subsidiary. This corporate eligibility is not subject to the cooperative use provision of § 90.179.

(b) Eligibility is also provided for a nonprofit corporation or association that is organized for the purpose of furnishing a radiocommunications service to persons who meet the eligibility requirements of the Industrial/Business Pool. Such use is subject to the cooperative use provisions of § 90.179.

§ 90.35 Industrial/Business Pool.

(a) *Eligibility*. Persons primarily engaged in any of the following activities are eligible to hold authorizations in the Industrial/Business Pool to provide commercial mobile radio service as defined in part 20 of this chapter or to operate stations for transmission of communications necessary to such activities of the licensee:

(1) The operation of a commercial activity;

(2) The operation of educational, philanthropic, or ecclesiastical institutions;

(3) Clergy activities; or

(4) The operation of hospitals, clinics, or medical associations.

(b) Industrial/Business Pool frequencies.

(1) The following table indicates frequencies available for assignment to Industrial/Business Pool stations, together with the class of station(s) to which they are normally assigned, the specific assignment limitations which are explained in paragraph (b) of this section, and the certified frequency coordinator for each frequency:

(2)(i) The letter symbol(s) listed in the Coordinator column of the frequency table in paragraph (a)(3) of this section specifies the frequency coordinator(s) for each frequency as follows:

IP—Petroleum Coordinator

IW—Power Coordinator

LR—Railroad Coordinator

(ii) Frequencies without any coordinator specified may be coordinated by any coordinator certified in the Industrial/Business Pool.

(3) Frequencies.

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE

Frequency or band	Class of station(s)	Limitations	Coordinator
Kilohertz:			
1614	Base or mobile	1, 2, 3, 4	IP
1628	.....do	5.	
1652	.....do	5.	
1676	.....do	5.	
1700	.....do	5.	
2000 to 25,000	Fixed, base or mobile	1.	
2292	Base or mobile	5.	
2398	.....do	5, 7.	
4637.5	.....do	5, 7.	
Megahertz:			
25.02	.....do	3, 4	IP
25.04	.....do	8	IP
25.06	.....do	3, 4	IP
25.08	.....do	8, 9	IP
25.10	.....do	3, 4, 9	IP
25.12	.....do		IP
25.14	.....do	3, 4	IP
25.16	.....do		IP
25.18	.....do	3, 4	IP
25.20	.....do		IP
25.22	.....do	4, 7	IP
25.24	.....do		IP
25.26	.....do	4, 7	IP
25.28	.....do		IP
25.30	.....do	4, 7	IP
25.32	.....do		IP
27.43	.....do.		
27.45	.....do.		
27.47	.....do.		
27.49	.....do	10.	
27.51	Mobile	11.	
27.53	.....do	11.	
29.71	Base or mobile		
29.73	.....do.		
29.75	.....do.		
29.77	.....do.		
29.79	.....do.		
30.58	.....do.		
30.60	.....do.		
30.62	.....do.		
30.64	.....do.		
30.66	.....do.		
30.68	.....do.		
30.70	.....do	4, 7	IP
30.72	.....do.		
30.74	.....do.		
30.76	.....do.		
30.78	.....do	4, 7	IP
30.80	.....do.		
30.82	.....do.		
30.84	Mobile	11, 12.	
30.86	Base or mobile	13	
30.88	.....do.		
30.90	.....do	13.	
30.92	.....do.		
30.94	.....do	13.	
30.96	.....do.		
30.98	.....do	13.	
31.00	.....do.		
31.02	.....do	13.	
31.04	.....do.		
31.06	.....do	13.	
31.08	.....do.		
31.10	.....do	13.	
31.12	.....do.		
31.14	.....do	13.	
31.16	.....do.		
31.20	.....do.		
31.24	.....do.		
31.28	.....do.		
31.32	.....do.		

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
31.36	do.		
31.40	do.		
31.44	do.		
31.48	do.		
31.52	do.		
31.56	do.		
31.60	do.		
31.64	do.		
31.68	do.		
31.72	do.		
31.76	do.		
31.80	do.		
31.84	do.		
31.88	do.		
31.92	do.		
31.96	do.		
33.12	do	11.	
33.14	Mobile	11, 12.	
33.16	Base or mobile		
33.18	do		IP
33.20	do		IP
33.22	do		IP
33.24	do		IP
33.26	do		IP
33.28	do		IP
33.30	do		IP
33.32	do		IP
33.34	do		IP
33.36	do		IP
33.38	do		IP
33.40	Mobile	12, 14.	
35.02	do	11, 12, 13.	
35.04	Base or Mobile	10.	
35.06	do.		
35.08	do.		
35.10	do.		
35.12	do.		
35.14	do.		
35.16	do.		
35.18	do.		
35.28	do.		
35.32	do.		
35.36	do.		
35.40	do.		
35.44	do.		
35.48	do.		
35.48	do.		
35.52	do.		
35.70	do.		
35.72	do.		
35.74	do.		
35.76	do.		
35.78	do.		
35.80	do.		
35.82	do.		
35.84	do.		
35.86	do.		
35.88	do.		
35.90	do.		
35.92	do.		
35.94	do.		
35.96	do.		
35.98	do.		
36.25	do	15	IP
37.44	do.		
37.46	do		IW
37.48	do		IW
37.50	do		IW
37.52	do		IW
37.54	do		IW
37.56	do		IW
37.58	do		IW

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
37.60	Base, mobile, or operational fixed	16	IW
37.62	Base or mobile		IW
37.64	.....do		IW
37.66	.....do		IW
37.68	.....do		IW
37.70	.....do		IW
37.72	.....do		IW
37.74	.....do		IW
37.76	.....do		IW
37.78	.....do		IW
37.80	.....do		IW
37.82	.....do		IW
37.84	Base, mobile, or operational fixed	16	IW
37.86	Base or mobile		IW
37.88	.....do.		
41.71	.....do	15	IP
42.96	.....do.		
42.98	Mobile	11, 12.	
43.00	Base or mobile		
43.02	.....do.		
43.04	.....do	17.	
43.06	.....do.		
43.08	.....do.		
43.10	.....do.		
43.12	.....do.		
43.14	.....do.		
43.16	Mobile.		
43.18	Base or mobile.		
43.28	.....do.		
43.32	.....do.		
43.36	.....do.		
43.40	.....do.		
43.44	.....do.		
43.48	.....do.		
43.52	.....do.		
43.70	.....do.		
43.72	.....do	18.	
43.74	.....do	18.	
43.76	.....do.		
43.78	.....do.		
43.80	.....do.		
43.82	.....do	18.	
43.84	.....do	18.	
43.86	.....do	19.	
43.88	.....do	19.	
43.90	.....do	19.	
43.92	.....do	18, 19.	
43.94	.....do	19.	
43.96	.....do	18.	
43.98	.....do.		
44.00	.....do.		
44.02	.....do.		
44.04	.....do.		
44.06	.....do.		
44.08	.....do.		
44.10	.....do	20.	
44.12	.....do	18.	
44.14	.....do.		
44.16	.....do	18.	
44.18	.....do	18.	
44.20	.....do	18, 21.	
44.22	.....do.		
44.24	.....do.		
44.26	.....do.		
44.28	.....do.		
44.30	.....do.		
44.32	.....do	18.	
44.34	.....do.		
44.36	.....do	18, 19.	
44.38	.....do	19.	
44.40	.....do	18, 19.	
44.42	.....do	19.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
44.44	do	19.	
44.46	do	18.	
44.48	do	18.	
44.50	do.		
44.52	do.		
44.54	do.		
44.56	do.		
44.58	do.		
44.60	do.		
47.44	do.		
47.48	do.		
47.52	do.		
47.56	do.		
47.60	do.		
47.64	do.		
47.68	do.		
47.70	do		IW
47.72	do		IW
47.74	do		IW
47.76	do		IW
47.78	do		IW
47.80	do		IW
47.82	do		IW
47.84	do		IW
47.86	do		IW
47.88	do		IW
47.90	do		IW
47.92	do		IW
47.94	do		IW
47.96	do		IW
47.98	do		IW
48.00	do		IW
48.02	do		IW
48.04	do		IW
48.06	do		IW
48.08	do		IW
48.10	do		IW
48.12	do		IW
48.14	do		IW
48.16	do		IW
48.18	do		IW
48.20	do		IW
48.22	do		IW
48.24	do		IW
48.26	do		IW
48.28	do		IW
48.30	do		IW
48.32	do		IW
48.34	do		IW
48.36	do		IW
48.38	do		IW
48.40	do		IW
48.42	do		IW
48.44	do		IW
48.46	do		IW
48.48	do		IW
48.50	do		IW
48.52	do		IW
48.54	do		IW
48.56	do.		
48.58	do.		
48.60	do.		
48.62	do.		
48.64	do.		
48.66	do.		
48.68	do.		
48.70	do.		
48.72	do.		
48.74	do.		
48.76	do	18.	
48.78	do.		
48.80	do.		

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
48.82	do.		
48.84	do	18.	
48.86	do	18.	
48.88	do.		
48.90	do.		
48.92	do	18.	
48.94	do.		
48.96	do.		
48.98	do.		
49.00	do.		
49.02	do	18.	
49.04	do.		
49.06	do.		
49.08	do	18.	
49.10	do	18.	
49.12	do.		
49.14	do.		
49.16	do	18.	
49.18	do.		
49.20	do	18.	
49.22	do.		
49.24	do	18.	
49.26	do	18.	
49.28	do	18.	
49.30	do.		
49.32	do.		
49.34	do.		
49.36	do	18.	
49.38	do.		
49.40	do	18.	
49.42	do.		
49.44	do.		
49.46	do	18.	
49.48	do.		
49.50	do	18.	
49.52	do.		
49.54	do.		
49.56	do.		
49.58	do.		
72 to 76	Operational fixed	22.	
72.02	Mobile	23, 24.	
72.04	do	23, 24.	
72.06	do	23, 24.	
72.08	do	23, 24, 25.	
72.10	do	23, 24.	
72.12	do	23, 24.	
72.14	do	23, 24.	
72.16	do	23, 24, 25.	
72.18	do	23, 24.	
72.20	do	23, 24.	
72.22	do	23, 24.	
72.24	do	23, 24, 25.	
72.26	do	23, 24.	
72.28	do	23, 24.	
72.30	do	23, 24.	
72.32	do	23, 24, 25.	
72.34	do	23, 24.	
72.36	do	23, 24.	
72.38	do	23, 24.	
72.40	do	23, 24, 25.	
72.44	do	13, 24, 77.	
72.48	do	13, 24, 77.	
72.52	do	13, 24, 77.	
72.56	do	13, 24, 77.	
72.60	do	13, 24, 77.	
74.61	do	26, 77.	
74.63	do	26, 77.	
74.65	do	26, 77.	
74.67	do	26, 77.	
74.69	do	26, 77.	
74.71	do	26, 77.	
74.73	do	26, 77.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
74.75	do	26, 77.	
74.77	do	26, 77.	
74.79	do	26, 77.	
75.21	do	26, 77.	
75.23	do	26, 77.	
75.25	do	26, 77.	
75.27	do	26, 77.	
75.29	do	26, 77.	
75.31	do	26, 77.	
75.33	do	26, 77.	
75.35	do	26, 77.	
75.37	do	26, 77.	
75.39	do	26, 77.	
75.44	do	13, 24, 77.	
75.48	do	13, 24, 77.	
75.52	do	13, 24, 77.	
75.56	do	13, 24, 77.	
75.60	do	13, 24, 77.	
150 to 170	Base or mobile	27.	
150.815	do.		
150.830	do	28, 29.	
150.845	do..		
150.8525	do	30.	
150.860	do.		
150.8675	do	30.	
150.875	do.		
150.8825	do	30.	
150.890	do.		
150.8975	do	30.	
150.905	do.		
150.920	do	28, 29.	
150.935	do.		
150.9425	do	30.	
150.950	do.		
150.9575	do	30.	
150.965	do.		
150.9725	do	30.	
150.980	do	8	IP
150.9875	do	8, 30	IP
150.995	do	31.	
151.0025	do	30, 31.	
151.010	do	31.	
151.0175	do	30, 31.	
151.025	do	31.	
151.0325	do	30, 31.	
151.040	do	31.	
151.0475	do	30, 31.	
151.055	do	31.	
151.070	Base	28, 29, 31.	
151.085	Base or mobile	31.	
151.0925	do	30, 31.	
151.100	do	31.	
151.1075	do	30, 31.	
151.115	do	31.	
151.1225	do	30, 31.	
151.130	do	31.	
151.1375	do	30, 31.	
151.145	do	31.	
151.1525	do	30, 31.	
151.160	do	31.	
151.1675	do	30, 31.	
151.175	do	31.	
151.190	Base	28, 29, 31.	
151.205	Base or mobile	31.	
151.2125	do	30, 31.	
151.220	do	31.	
151.2275	do	30, 31.	
151.235	do	31.	
151.2425	do	30, 31.	
151.250	do	31.	
151.2575	do	30, 31.	
151.265	do	31.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
151.2725	do	30, 31.	
151.280	do	31.	
151.2875	do	30, 31.	
151.295	do	31.	
151.310	Base	28, 29, 31.	
151.325	Base or mobile	31.	
151.3325	do	30, 31.	
151.340	do	31.	
151.3475	do	30, 31.	
151.355	do	31.	
151.3625	do	30, 31.	
151.370	do	31.	
151.3775	do	30, 31.	
151.385	do	31.	
151.3925	do	30, 31.	
151.400	do	31.	
151.4075	do	30, 31.	
151.415	do	31.	
151.4225	do	30, 31.	
151.430	do	31.	
151.4375	do	30, 31.	
151.445	do	31.	
151.4525	do	30, 31.	
151.460	do	31.	
151.4675	do	30, 31.	
151.475	do	31.	
151.4825	do	30, 31.	
151.490	do	32.	
151.4975	do	30, 32.	
151.505	do	17.	
151.5125	do	17, 30.	
151.520	do.		
151.5275	do	30.	
151.535	do.		
151.5425	do	30.	
151.550	do.		
151.5575	do	30.	
151.565	do.		
151.5725	do	30.	
151.580	do.		
151.5875	do	30.	
151.595	do.		
151.6025	do	30.	
151.625	do	10.	
151.640	do	10, 33.	
151.6475	do	30.	
151.655	do.		
151.6625	do	30.	
151.670	do	30.	
151.6775	do	30.	
151.685	do.		
151.700	do	10, 30, 34.	
151.715	do.		
151.7225	do	30.	
151.730	do	30.	
151.7375	do	30.	
151.745	do.		
151.760	do	10, 30, 34.	
151.775	do.		
151.7825	do	30.	
151.790	do	30.	
151.7975	do	30.	
151.805	do.		
151.820	Mobile	12, 14, 30, 35.	
151.835	Base or mobile.		
151.8425	do	30.	
151.850	do	30.	
151.8575	do	30.	
151.865	do.		
151.880	Mobile	12, 14, 30, 35.	
151.895	Base or mobile.		
151.9025	do	30.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
151.910	do	30.	
151.9175	do	30.	
151.925	do.		
151.940	Mobile	12, 14, 30, 35.	
151.955	Base or Mobile.		
151.9625	do	30.	
151.970	do	30.	
151.9775	do	30.	
151.985	do.		
152.2625	do	33.	
152.270	do	6.	
152.2775	do	6, 30.	
152.285	do	6.	
152.2925	do	6, 30.	
152.300	do	6.	
152.3075	do	6, 30.	
152.315	do	6.	
152.3225	do	6, 30.	
152.330	do	6.	
152.3375	do	6, 30.	
152.345	do	6.	
152.3525	do	6, 30.	
152.360	do	6.	
152.3675	do	6, 30.	
152.375	do	6.	
152.3825	do	6, 30.	
152.390	do	6.	
152.3975	do	6, 30.	
152.405	do	6.	
152.4125	do	6, 30.	
152.420	do	6.	
152.4275	do	6, 30.	
152.435	do	6.	
152.4425	do	6, 30.	
152.450	do	6.	
152.4575	do	6, 30.	
152.465	do	6.	
152.480	do	29, 36, 37, 38.	
152.8625	do	33.	
152.870	do	6.	
152.8775	do	30.	
152.885	do.		
152.8925	do	30.	
152.900	do.		
152.9075	do	30.	
152.915	do.		
152.9225	do	30.	
152.930	do.		
152.9375	do	30.	
152.945	do.		
152.9525	do	30.	
152.960	do.		
152.9675	do	30.	
152.975	do.		
152.9825	do	30.	
152.990	do.		
152.9975	do	30.	
153.005	do.		
153.0125	do	30.	
153.020	do.		
153.0275	do	30.	
153.035	do.		
153.0425	do	30.	
153.050	do	4, 7.	
153.0575	do	4, 7, 30.	
153.065	do.		
153.0725	do	30.	
153.080	do	4, 7.	
153.0875	do	4, 7, 30.	
153.095	do.		
153.1025	do	30.	
153.110	do	4, 7.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
153.1175	do	4, 7, 30.	
153.125	do.		
153.1325	do	30.	
153.140	do	4, 7.	
153.1475	do	4, 7, 30.	
153.155	do.		
153.1625	do	30.	
153.170	do	4, 7.	
153.1775	do	4, 7, 30.	
153.185	do.		
153.1925	do	30.	
153.200	do	4, 7.	
153.2075	do	4, 7, 30.	
153.215	do.		
153.2225	do	30.	
153.230	do	4, 7.	
153.2375	do	4, 7, 30.	
153.245	do.		
153.2525	do	30.	
153.260	do	4, 7.	
153.2675	do	4, 7, 30.	
153.275	do.		
153.2825	do	30.	
153.290	do	4, 7.	
153.2975	do	4, 7, 30.	
153.305	do.		
153.3125	do	30.	
153.320	do	4, 7.	
153.3275	do	4, 7, 30.	
153.335	do.		
153.3425	do	30.	
153.350	do	4, 7.	
153.3575	do	4, 7, 30.	
153.365	do.		
153.3725	do	30.	
153.380	do.		
153.3875	do	30.	
153.395	do.		
153.4025	do	30.	
153.410	do		IW
153.4175	do	30	IW
153.425	do.		
153.4325	do	30.	
153.440	do.		
153.4475	do	30.	
153.455	do.		
153.4625	do	30.	
153.470	do		IW
153.4775	do	30	IW
153.485	do.		
153.4925	do	30.	
153.500	do.		
153.5075	do	30.	
153.515	do.		
153.5225	do	30.	
153.530	do		IW
153.5375	do	30	IW
153.545	do.		
153.5525	do	30.	
153.560	do.		
153.5675	do	30.	
153.575	do.		
153.5825	do	30.	
153.590	do		IW
153.5975	do	30	IW
153.605	do.		
153.6125	do	30.	
153.620	do.		
153.6275	do	30.	
153.635	do.		
153.6425	do	30.	
153.650	do		IW

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
153.6575	.....do	30	IW
153.665	.....do.		
153.6725	.....do	30.	
153.680	.....do.		
153.6875	.....do	30.	
153.695	.....do		IW
153.7025	.....do	30	IW
153.710	.....do		IW
153.7175	.....do	30	IW
153.725	.....do		IW
153.7325	.....do	30	IW
154.45625	Fixed or mobile	39, 40, 41, 42.	
154.46375	.....do	39, 40, 43.	
154.47125	.....do	39, 40, 41, 44.	
154.47875	.....do	39, 40, 41, 42.	
154.4825	Base or mobile	30.	
154.490	.....do.		
154.4975	.....do	30.	
154.505	.....do	30.	
154.515	.....do.		
154.5275	Mobile	10, 30, 34.	
154.540	.....Base or mobile.		
154.5475	.....do	30.	
154.555	.....do	33.	
154.570	Mobile	11, 12, 35, 45.	
154.585	.....do	8, 46	IP
154.600	.....do	11, 12, 45, 47.	
154.610	Base or mobile	33.	
154.625	.....do	36, 37, 48.	
154.640	Base	30, 36, 37, 48.	
157.470	Base or mobile	12.	
157.4775	.....do	12, 30.	
157.485	.....do	12.	
157.4925	.....do	12, 30.	
157.500	.....do	12.	
157.5075	.....do	12, 30.	
157.515	.....do	12.	
157.5225	.....do	12, 30.	
157.530	Mobile	6.	
157.5375	.....do	6, 30.	
157.545	.....do	6.	
157.5525	.....do	6, 30.	
157.560	Base or mobile	6.	
157.5675	.....do	6, 30.	
157.575	Mobile	6.	
157.5825	.....do	6, 30.	
157.590	.....do	6.	
157.5975	.....do	6, 30.	
157.605	.....do	6.	
157.6125	.....do	6, 30.	
157.620	Base or mobile	6.	
157.6275	.....do	6, 30.	
157.635	Mobile	6.	
157.6425	.....do	6, 30.	
157.650	.....do	6.	
157.6575	.....do	6, 30.	
157.665	.....do	6.	
157.6725	.....do	6, 30.	
157.680	.....do	6.	
157.6875	.....do	6, 30.	
157.695	.....do	6.	
157.7025	.....do	6, 30.	
157.710	.....do	6.	
157.7175	.....do	6, 30.	
157.725	Base or mobile	6.	
157.740	.....do	29, 36, 37, 38.	
158.1225	.....do	l33	IW
158.130	.....do		IW
158.1375	.....do	30	IW
158.145	.....do.		
158.1525	.....do	30.	
158.160	.....do.		

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
158.1675	do	30.	
158.175	do.		
158.1825	do	30.	
158.190	do		IW
158.1975	do	30	IW
158.205	do.		
158.2125	do	30.	
158.220	do.		
158.2275	do	30.	
158.235	do.		
158.2425	do	30.	
158.250	do		IW
158.2575	do	30	IW
158.265	do.		
158.2725	do	30.	
158.280	do.		
158.2875	do	30.	
158.295	do.		
158.3025	do	30.	
158.310	do	4, 7.	
158.3175	do	4, 7, 30.	
158.325	do.		
158.3325	do	30.	
158.340	Mobile.		
158.3475	do	30.	
158.355	Base or mobile.		
158.3625	do	30.	
158.370	do	4, 7.	
158.3775	do	4, 7, 30.	
158.385	do.		
158.3925	do	30.	
158.400	do	17.	
158.4075	do	17, 30.	
158.415	do.		
158.4225	do	30.	
158.430	do	4, 7.	
158.4375	do	4, 7, 30.	
158.445	Mobile	8, 49	IP
158.460	Base or mobile	29, 36, 37, 38, 48.	
159.480	do	8.	IP
159.4875	do	8, 30.	IP
159.495	do.		
159.5025	do	30.	
159.510	do.		
159.5175	do	30.	
159.525	do.		
159.5325	do	30.	
159.540	do.		
159.5475	do	30.	
159.555	do.		
159.5625	do	30.	
159.570	do.		
159.5775	do	30.	
159.585	do.		
159.5925	do	30.	
159.600	do.		
159.6075	do	30.	
159.615	do.		
159.6225	do	30.	
159.630	do.		
159.6375	do	30.	
159.645	do.		
159.6525	do	30.	
159.660	do.		
159.6675	do	30.	
159.675	do.		
159.6825	do	30.	
159.690	do.		
159.6975	do	30.	
159.705	do.		
159.7125	do	30.	
159.720	do.		

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
159.7275	do	30.	
159.735	do.		
159.7425	do	30.	
159.750	do.		
159.7575	do	30.	
159.765	do.		
159.7725	do	30.	
159.780	do.		
159.7875	do	30.	
159.795	do.		
159.8025	do	30.	
159.810	do.		
159.8175	do	30.	
159.825	do.		
159.8325	do	30.	
159.840	do.		
159.8475	do	30.	
159.855	do.		
159.8625	do	30.	
159.870	do.		
159.8775	do	30.	
159.885	do.		
159.8925	do	30.	
159.900	do.		
159.9075	do	30.	
159.915	do.		
159.9225	do	30.	
159.930	do.		
159.9375	do	30.	
159.945	do.		
159.9525	do	30.	
159.960	do.		
159.9675	do	30.	
159.975	do.		
159.9825	do	30.	
159.990	do.		
159.9975	do	30.	
160.005	do.		
160.0125	do	30.	
160.020	do.		
160.0275	do	30.	
160.035	do.		
160.0425	do	30.	
160.050	do.		
160.0575	do	30.	
160.065	do.		
160.0725	do	30.	
160.080	do.		
160.0875	do	30.	
160.095	do.		
160.1025	do	30.	
160.110	do.		
160.1175	do	30.	
160.125	do.		
160.1325	do	30.	
160.140	do.		
160.1475	do	30.	
160.155	do.		
160.1625	do	30.	
160.170	do.		
160.1775	do	30.	
160.185	do.		
160.1925	do	30.	
160.200	do.		
160.2075	do	30.	
160.215	do	50	LR
160.2225	do	30, 50	LR
160.230	do	50	LR
160.2375	do	30, 50	LR
160.245	do	50	LR
160.2525	do	30, 50	LR
160.260	do	50	LR

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
160.2675	do	30, 50	LR
160.275	do	50	LR
160.2825	do	30, 50	LR
160.290	do	50	LR
160.2975	do	30, 50	LR
160.305	do	50	LR
160.3125	do	30, 50	LR
160.320	do	50	LR
160.3275	do	30, 50	LR
160.335	do	50	LR
160.3425	do	30, 50	LR
160.350	do	50	LR
160.3575	do	30, 50	LR
160.365	do	50	LR
160.3725	do	30, 50	LR
160.380	do	50	LR
160.3875	do	30, 50	LR
160.395	do	50	LR
160.4025	do	30, 50	LR
160.410	do	50, 52	LR
160.4175	do	30, 50, 52	LR
160.425	do	50, 52	LR
160.4325	do	30, 50, 52	LR
160.440	do	50, 52	LR
160.4475	do	30, 50, 52	LR
160.455	do	50, 52	LR
160.4625	do	30, 50, 52	LR
160.470	do	50, 52	LR
160.4775	do	30, 50, 52	LR
160.485	do	50, 52	LR
160.4925	do	30, 50, 52	LR
160.500	do	50, 52	LR
160.5075	do	30, 50, 52	LR
160.515	do	50, 52	LR
160.5225	do	30, 50, 52	LR
160.530	do	50, 52	LR
160.5375	do	30, 50, 52	LR
160.545	do	50, 52	LR
160.5525	do	30, 50, 52	LR
160.560	do	50, 52	LR
160.5675	do	30, 50, 52	LR
160.575	do	50, 52	LR
160.5825	do	30, 50, 52	LR
160.590	do	50, 52	LR
160.5975	do	30, 50, 52	LR
160.605	do	50, 52	LR
160.6125	do	30, 50, 52	LR
160.620	do	50	LR
160.6275	do	30, 50	LR
160.635	do	50	LR
160.6425	do	30, 50	LR
160.650	do	50	LR
160.6575	do	30, 50	LR
160.665	do	50	LR
160.6725	do	30, 50	LR
160.680	do	50	LR
160.6875	do	30, 50	LR
160.695	do	50	LR
160.7025	do	30, 50	LR
160.710	do	50	LR
160.7175	do	30, 50	LR
160.725	do	50	LR
160.7325	do	30, 50	LR
160.740	do	50	LR
160.7475	do	30, 50	LR
160.755	do	50	LR
160.7625	do	30, 50	LR
160.770	do	50	LR
160.7775	do	30, 50	LR
160.785	do	50	LR
160.7925	do	30, 50	LR
160.800	do	50	LR

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
160.8075	do	30, 50	LR
160.815	do	50	LR
160.8225	do	30, 50	LR
160.830	do	50	LR
160.8375	do	30, 50	LR
160.845	do	50	LR
160.8525	do	30, 50	LR
160.860	do	50, 51	LR
160.8675	do	30, 50, 51	LR
160.875	do	50, 51	LR
160.8825	do	30, 50, 51	LR
160.890	do	50, 51	LR
160.8975	do	30, 50, 51	LR
160.905	do	50, 51	LR
160.9125	do	30, 50, 51	LR
160.920	do	50, 51	LR
160.9275	do	30, 50, 51	LR
160.935	do	50, 51	LR
160.9425	do	30, 50, 51	LR
160.950	do	50, 51	LR
160.9575	do	30, 50, 51	LR
160.965	do	50, 51	LR
160.9725	do	30, 50, 51	LR
160.980	do	50, 51	LR
160.9875	do	30, 50, 51	LR
160.995	do	50, 51	LR
161.0025	do	30, 50, 51	LR
161.010	do	50, 51	LR
161.0175	do	30, 50, 51	LR
161.025	do	50, 51	LR
161.0325	do	30, 50, 51	LR
161.040	do	50, 51	LR
161.0475	do	30, 50, 51	LR
161.055	do	50, 51	LR
161.0625	do	30, 50, 51	LR
161.070	do	50, 51	LR
161.0775	do	30, 50, 51	LR
161.085	do	50, 51	LR
161.0925	do	30, 50, 51	LR
161.100	do	50, 51	LR
161.1075	do	30, 50, 51	LR
161.115	do	50, 51	LR
161.1225	do	30, 50, 51	LR
161.130	do	50, 51	LR
161.1375	do	30, 50, 51	LR
161.145	do	50, 51	LR
161.1525	do	30, 50, 51	LR
161.160	do	50, 51	LR
161.1675	do	30, 50, 51	LR
161.175	do	50, 51	LR
161.1825	do	30, 50, 51	LR
161.190	do	50, 51	LR
161.1975	do	30, 50, 51	LR
161.205	do	50, 51	LR
161.2125	do	30, 50, 51	LR
161.220	do	50, 51	LR
161.2275	do	30, 50, 51	LR
161.235	do	50, 51	LR
161.2425	do	30, 50, 51	LR
161.250	do	50, 51	LR
161.2575	do	30, 50, 51	LR
161.265	do	50, 51	LR
161.2725	do	30, 50, 51	LR
161.280	do	50, 51	LR
161.2875	do	30, 50, 51	LR
161.295	do	50, 51	LR
161.3025	do	30, 50, 51	LR
161.310	do	50, 51	LR
161.3175	do	30, 50, 51	LR
161.325	do	50, 51	LR
161.3325	do	30, 50, 51	LR
161.340	do	50, 51	LR

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
161.3475	do	30, 50, 51	LR
161.355	do	50, 51	LR
161.3625	do	30, 50, 51	LR
161.370	do	50, 51	LR
161.3775	do	30, 50, 51	LR
161.385	do	50, 52	LR
161.3925	do	30, 50, 52	LR
161.400	do	50, 52	LR
161.4075	do	30, 50, 52	LR
161.415	do	50, 52	LR
161.4225	do	30, 50, 52	LR
161.430	do	50, 52	LR
161.4375	do	30, 50, 52	LR
161.445	do	50, 52	LR
161.4525	do	30, 50, 52	LR
161.460	do	50, 52	LR
161.4675	do	30, 50, 52	LR
161.475	do	50, 52	LR
161.4825	do	30, 50, 52	LR
161.490	do	50, 52	LR
161.4975	do	30, 50, 52	LR
161.505	do	50, 52	LR
161.5125	do	30, 50, 52	LR
161.520	do	50, 52	LR
161.5275	do	30, 50, 52	LR
161.535	do	50, 52	LR
161.5425	do	30, 50, 52	LR
161.550	do	50, 52	LR
161.5575	do	30, 50, 52	LR
161.565	do	50, 52	LR
161.610	do	78	LR
169 to 172	Mobile, operational fixed	53.	
173.20375	Fixed or mobile	39, 40, 41, 44.	
173.210	do	40, 41, 44, 54.	
173.225	Base or mobile.		
173.2375	Fixed or mobile	39, 40, 41, 42.	
173.250	Base or mobile		
173.2625	Fixed or mobile	39, 40, 41, 42.	
173.275	Base or mobile.		
173.2875	Fixed or mobile	39, 40, 41, 42.	
173.300	Base or mobile.		
173.3125	Fixed or mobile	39, 40, 41, 42.	
173.325	Base or mobile.		
173.3375	Fixed or mobile	39, 40, 41, 42.	
173.350	Base or mobile.		
173.3625	Fixed or mobile	39, 40, 41, 42.	
173.375	Base or mobile.		
173.390	Fixed or mobile	40, 41, 44, 54.	
173.39625	do	39, 40, 41, 42.	
216 to 220	Base or mobile	55.	
220 to 222	Base and mobile	56.	
406 to 413	Operational fixed	53.	
450 to 470	Fixed, base, or mobile	27, 57.	
451.01875	Base or mobile	l33	IW
451.025	do		IW
451.03125	do	33	IW
451.0375	do	30	IW
451.04375	do	33	IW
451.050	do		IW
451.05625	do	33	IW
451.0625	do	30	IW
451.06875	do	33	IW
451.075	do		IW
451.08125	do	33	IW
451.0875	do	30	IW
451.09375	do	33	IW
451.100	do		IW
451.10625	do	33	IW
451.1125	do	30	IW
451.11875	do	33	IW
451.125	do		IW
451.13125	do	33	IW

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
451.1375	do	30	IW
451.14375	do	33	IW
451.150	do		IW
451.15625	do	33	IW
451.1625	do	30	IW
451.16875	do	33	IW
451.175	do.		
451.18125	do	33.	
451.1875	do	30.	
451.19375	do	33.	
451.200	do		IW
451.20625	do	33	IW
451.2125	do	30	IW
451.21875	do	33	IW
451.225	do.		
451.23125	do	33.	
451.2375	do	30.	
451.24375	do	33.	
451.250	do		IW
451.25625	do	33	IW
451.2625	do	30	IW
451.26875	do	33	IW
451.275	do.		
451.28125	do	33.	
451.2875	do	30.	
451.29375	do	33.	
451.300	do.		
451.30625	do	33.	
451.3125	do	30.	
451.31875	do	33.	
451.325	do.		
451.33125	do	33.	
451.3375	do	30.	
451.34375	do	33.	
451.350	do.		
451.35625	do	33.	
451.3625	do	30.	
451.36875	do	33.	
451.375	do.		
451.38125	do	33.	
451.3875	do	30.	
451.39375	do	33.	
451.400	do.		
451.40625	do	33.	
451.4125	do	30.	
451.41875	do	33.	
451.425	do.		
451.43125	do	33.	
451.4375	do	30.	
451.44375	do	33.	
451.450	do.		
451.45625	do	33.	
451.4625	do	30.	
451.46875	do	33.	
451.475	do.		
451.48125	do	33.	
451.4875	do	30.	
451.49375	do	33.	
451.500	do.		
451.50625	do	33.	
451.5125	do	30.	
451.51875	do	33.	
451.525	do.		
451.53125	do	33.	
451.5375	do	30.	
451.54375	do	33.	
451.550	do	4, 7.	
451.55625	do	4, 7, 33.	
451.5625	do	4, 7, 30.	
451.56875	do	4, 7, 33.	
451.575	do.		
451.58125	do	33.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
451.5875	do	30.	
451.59375	do	33.	
451.600	do	4, 7.	
451.60625	do	4, 7, 33.	
451.6125	do	4, 7, 30.	
451.61875	do	4, 7, 33.	
451.625	do.		
451.63125	do	33.	
451.6375	do	30.	
451.64375	do	33.	
451.650	do	4, 7.	
451.65625	do	4, 7, 33.	
451.6625	do	4, 7, 30.	
451.66875	do	4, 7, 33.	
451.675	do.		
451.68125	do	33.	
451.6875	do	30.	
451.69375	do	33.	
451.700	do	4, 7.	
451.70625	do	4, 7, 33.	
451.7125	do	4, 7, 30.	
451.71875	do	4, 7, 33.	
451.725	do.		
451.73125	do	33.	
451.7375	do	30.	
451.74375	do	33.	
451.750	do	4, 7.	
451.75625	do	4, 7, 33.	
451.7625	do	4, 7, 30.	
451.76875	do	4, 7, 33.	
451.775	do.		
451.78125	do	33.	
451.7875	do	30.	
451.79375	do	33.	
451.800	Base, mobile, or operational fixed	17, 58.	
451.80625	do	17, 33, 58.	
451.8125	do	17, 30, 58.	
451.81875	do	17, 33, 58.	
451.825	Base or mobile.		
451.83125	do	33.	
451.8375	do	30.	
451.84375	do	33.	
451.850	do.		
451.85625	do	33.	
451.8625	do	30.	
451.86875	do	33.	
451.875	do.		
451.88125	do	33.	
451.8875	do	30.	
451.89375	do	33.	
451.900	do.		
451.90625	do	33.	
451.9125	do	30.	
451.91875	do	33.	
451.925	do.		
451.93125	do	33.	
451.9375	do	30.	
451.94375	do	33.	
451.950	do.		
451.95625	do	33.	
451.9625	do	30.	
451.96875	do	33.	
451.975	do.		
451.98125	do	33.	
451.9875	do	30.	
451.99375	do	33.	
452.000	do.		
452.00625	do	33.	
452.0125	do	30.	
452.01875	do	33.	
452.025	do.		
452.03125	do	33.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
452.0375	do	30.	
452.04375	do	33.	
452.050	do.		
452.05625	do	33.	
452.0625	do	30.	
452.06875	do	33.	
452.075	do.		
452.08125	do	33.	
452.0875	do	30.	
452.09375	do	33.	
452.100	do.		
452.10625	do	33.	
452.1125	do	30.	
452.11875	do	33.	
452.125	do.		
452.13125	do	33.	
452.1375	do	30.	
452.14375	do	33.	
452.150	do.		
452.15625	do	33.	
452.1625	do	30.	
452.16875	do	33.	
452.175	do.		
452.18125	do	33.	
452.1875	do	30.	
452.19375	do	33.	
452.200	do.		
452.20625	do	33.	
452.2125	do	30.	
452.21875	do	33.	
452.225	do		
452.23125	do	33.	
452.2375	do	30.	
452.24375	do	33.	
452.250	do.		
452.25625	do	33.	
452.2625	do	30.	
452.26875	do	33.	
452.275	do.		
452.28125	do	33.	
452.2875	do	30.	
452.29375	do	33.	
452.300	do.		
452.30625	do	33.	
452.3125	do	30.	
452.31875	do	33.	
452.325	do.		
452.33125	do	33.	
452.3375	do	30.	
452.34375	do	33.	
452.350	do.		
452.35625	do	33.	
452.3625	do	30.	
452.36875	do	33.	
452.375	do.		
452.38125	do	33.	
452.3875	do	30.	
452.39375	do	33.	
452.400	do.		
452.40625	do	33.	
452.4125	do	30.	
452.41875	do	33.	
452.425	do.		
452.43125	do	33.	
452.4375	do	30.	
452.44375	do	33.	
452.450	do.		
452.45625	do	33.	
452.4625	do	30.	
452.46875	do	33.	
452.475	do.		
452.48125	do	33.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
452.4875	do	30.	
452.49375	do	33.	
452.500	do.		
452.50625	do	33.	
452.5125	do	30.	
452.51875	do	33.	
452.525	do.		
452.53125	do	33.	
452.5375	do	30.	
452.54375	do	33.	
452.550	do.		
452.55625	do	33.	
452.5625	do	30.	
452.56875	do	33.	
452.575	do.		
452.58125	do	33.	
452.5875	do	30.	
452.59375	do	33.	
452.600	do.		
452.60625	do	33.	
452.6125	do	30.	
452.61875	do	33.	
452.625	do.		
452.63125	do	33.	
452.6375	do	30.	
452.64375	do	33.	
452.650	do.		
452.65625	do	33.	
452.6625	do	30.	
452.66875	do	33.	
452.675	do.		
452.68125	do	33.	
452.6875	do	30.	
452.69375	do	33.	
452.700	do.		
452.70625	do	33.	
452.7125	do	30.	
452.71875	do	33.	
452.725	do.		
452.73125	do	33.	
452.7375	do	30.	
452.74375	do	33.	
452.750	do.		
452.75625	do	33.	
452.7625	do	30.	
452.76875	do	33.	
452.775	do.		
452.78125	do	33.	
452.7875	do	30.	
452.79375	do	33.	
452.800	do.		
452.80625	do	33.	
452.8125	do	30.	
452.81875	do	33.	
452.825	do.		
452.83125	do	33.	
452.8375	do	30.	
452.84375	do	33.	
452.850	do.		
452.85625	do	33.	
452.8625	do	30.	
452.86875	do	33.	
452.875	do.		
452.88125	do	33.	
452.8875	do	30.	
452.89375	do	33.	
452.900	do		LR
452.90625	do	33	LR
452.9125	do	30	LR
452.91875	do	33	LR
452.925	do	59	LR
452.93125	do	33, 59	LR

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
452.9375	do	30, 59	LR
452.94375	do	33, 59	LR
452.950	do	59	LR
452.95625	do	33, 59	LR
452.9625	do	30, 59	LR
452.96875	do	33, 59	LR
452.975	do.		
452.98125	do	33.	
452.9875	do	30.	
452.99375	do	33.	
453.000	do.		
453.00625	do	33.	
453.0125	do	30.	
453.01875	do	33.	
454.000	do	8	IP
456.01875	do	33	IW
456.025	Mobile		IW
456.03125	do	33	IW
456.0375	do	30	IW
456.04375	do	33	IW
456.050	do		IW
456.05625	do	33	IW
456.0625	do	30	IW
456.06875	do	33	IW
456.075	do		IW
456.08125	do	33	IW
456.0875	do	30	IW
456.09375	do	33	IW
456.100	do		IW
456.10625	do	33	IW
456.1125	do	30	IW
456.11875	do	33	IW
456.125	do		IW
456.13125	do	33	IW
456.1375	do	30	IW
456.14375	do	33	IW
456.150	do		IW
456.15625	do	33	IW
456.1625	do	30	IW
456.16875	do	33	IW
456.175	do.		
456.18125	do	33.	
456.1875	do	30.	
456.19375	do	33.	
456.200	do		IW
456.20625	do	33	IW
456.2125	do	30	IW
456.21875	do	33	IW
456.225	do.		
456.23125	do	33.	
456.2375	do	30.	
456.24375	do	33.	
456.250	do		IW
456.25625	do	33	IW
456.2625	do	30	IW
456.26875	do	33	IW
456.275	do.		
456.28125	do	33.	
456.2875	do	30.	
456.29375	do	33.	
456.300	do.		
456.30625	do	33.	
456.3125	do	30.	
456.31875	do	33.	
456.325	do.		
456.33125	do	33.	
456.3375	do	30.	
456.34375	do	33.	
456.350	do.		
456.35625	do	33.	
456.3625	do	30.	
456.36875	do	33.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
456.375	do.		
456.38125	do	33.	
456.3875	do	30.	
456.39375	do	33.	
456.400	do.		
456.40625	do	33.	
456.4125	do	30.	
456.41875	do	33.	
456.425	do.		
456.43125	do	33.	
456.4375	do	30.	
456.44375	do	33.	
456.450	do.		
456.45625	do	33.	
456.4625	do	30.	
456.46875	do	33.	
456.475	do.		
456.48125	do	33.	
456.4875	do	30.	
456.49375	do	33.	
456.500	do.		
456.50625	do	33.	
456.5125	do	30.	
456.51875	do	33.	
456.525	do.		
456.53125	do	33.	
456.5375	do	30.	
456.54375	do	33.	
456.550	do.		
456.55625	do	33.	
456.5625	do	30.	
456.56875	do	33.	
456.575	do.		
456.58125	do	33.	
456.5875	do	30.	
456.59375	do	33.	
456.600	do.		
456.60625	do	33.	
456.6125	do	30.	
456.61875	do	33.	
456.625	do.		
456.63125	do	33.	
456.6375	do	30.	
456.64375	do	33.	
456.650	do.		
456.65625	do	33.	
456.6625	do	30.	
456.66875	do	33.	
456.675	do.		
456.68125	do	33.	
456.6875	do	30.	
456.69375	do	33.	
456.700	do.		
456.70625	do	33.	
456.7125	do	30.	
456.71875	do	33.	
456.725	do.		
456.73125	do	33.	
456.7375	do	30.	
456.74375	do	33.	
456.750	do.		
456.75625	do	33.	
456.7625	do	30.	
456.76875	do	33.	
456.775	do.		
456.78125	do	33.	
456.7875	do	30.	
456.79375	do	33.	
456.800	Base, mobile, or operational fixed	17, 58.	
456.80625	do	17, 33, 58.	
456.8125	do	17, 30, 58.	
456.81875	do	17, 33, 58.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
456.825	Mobile.		
456.83125	do	33.	
456.8375	do	30.	
456.84375	do	33.	
456.850	do.		
456.85625	do	33.	
456.8625	do	30.	
456.86875	do	33.	
456.875	do.		
456.88125	do	33.	
456.8875	do	30.	
456.89375	do	33.	
456.900	do.		
456.90625	do	33.	
456.9125	do	30.	
456.91875	do	33.	
456.925	do.		
456.93125	do	33.	
456.9375	do	30.	
456.94375	do	33.	
456.950	do.		
456.95625	do	33.	
456.9625	do	30.	
456.96875	do	33.	
456.975	do.		
456.98125	do	33.	
456.9875	do	30.	
456.99375	do	33.	
457.000	do.		
457.00625	do	33.	
457.0125	do	30.	
457.01875	do	33.	
457.025	do.		
457.03125	do	33.	
457.0375	do	30.	
457.04375	do	33.	
457.050	do.		
457.05625	do	33.	
457.0625	do	30.	
457.06875	do	33.	
457.075	do.		
457.08125	do	33.	
457.0875	do	30.	
457.09375	do	33.	
457.100	do.		
457.10625	do	33.	
457.1125	do	30.	
457.11875	do	33.	
457.125	do.		
457.13125	do	33.	
457.1375	do	30.	
457.14375	do	33.	
457.150	do.		
457.15625	do	33.	
457.1625	do	30.	
457.16875	do	33.	
457.175	do.		
457.18125	do	33.	
457.1875	do	30.	
457.19375	do	33.	
457.200	do.		
457.20625	do	33.	
457.2125	do	30.	
457.21875	do	33.	
457.225	do.		
457.23125	do	33.	
457.2375	do	30.	
457.24375	do	33.	
457.250	do.		
457.25625	do	33.	
457.2625	do	30.	
457.26875	do	33.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
457.275	do.		
457.28125	do	33.	
457.2875	do	30.	
457.29375	do	33.	
457.300	do.		
457.30625	do	33.	
457.3125	do	30.	
457.31875	do	33.	
457.325	do.		
457.33125	do	33.	
457.3375	do	30.	
457.34375	do	33.	
457.350	do.		
457.35625	do	33.	
457.3625	do	30.	
457.36875	do	33.	
457.375	do.		
457.38125	do	33.	
457.3875	do	30.	
457.39375	do	33.	
457.400	do.		
457.40625	do	33.	
457.4125	do	30.	
457.41875	do	33.	
457.425	do.		
457.43125	do	33.	
457.4375	do	30.	
457.44375	do	33.	
457.450	do.		
457.45625	do	33.	
457.4625	do	30.	
457.46875	do	33.	
457.475	do.		
457.48125	do	33.	
457.4875	do	30.	
457.49375	do	33.	
457.500	do.		
457.50625	do	33.	
457.5125	do	30.	
457.51875	do	33.	
457.525	do	11, 12, 47, 60.	
457.53125	do	11, 12, 33, 47, 60.	
457.5375	do	11, 12, 30, 47, 60.	
457.54375	do	11, 12, 33, 47, 60.	
457.550	do	11, 12, 47, 60.	
457.55625	do	11, 12, 33, 47, 60.	
457.5625	do	11, 12, 30, 47, 60.	
457.56875	do	11, 12, 33, 47, 60.	
457.575	do	11, 12, 47, 60.	
457.58125	do	11, 12, 33, 47, 60.	
457.5875	do	11, 12, 30, 47, 60.	
457.59375	do	11, 12, 33, 47, 60.	
457.600	do	11, 12, 47, 60.	
457.60625	do	11, 12, 33, 47, 60.	
457.6125	do	11, 12, 30, 47, 60.	
457.61875	do	11, 12, 33, 47, 60.	
457.625	do.		
457.63125	do	33.	
457.6375	do	30.	
457.64375	do	33.	
457.650	do.		
457.65625	do	33.	
457.6625	do	30.	
457.66875	do	33.	
457.675	do.		
457.68125	do	33.	
457.6875	do	30.	
457.69375	do	33.	
457.700	do.		
457.70625	do	33.	
457.7125	do	30.	
457.71875	do	33.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
457.725	do.		
457.73125	do	33.	
457.7375	do	30.	
457.74375	do	33.	
457.750	do.		
457.75625	do	33.	
457.7625	do	30.	
457.76875	do	33.	
457.775	do.		
457.78125	do	33.	
457.7875	do	30.	
457.79375	do	33.	
457.800	do.		
457.80625	do	33.	
457.8125	do	30.	
457.81875	do	33.	
457.825	do.		
457.83125	do	33.	
457.8375	do	30.	
457.84375	do	33.	
457.850	do.		
457.85625	do	33.	
457.8625	do	30.	
457.86875	do	33.	
457.875	do.		
457.88125	do	33.	
457.8875	do	30.	
457.89375	do	33.	
457.900	do		LR
457.90625	do	33	LR
457.9125	do	30	LR
457.91875	do	33	LR
457.925	do	59	LR
457.93125	do	33, 59	LR
457.9375	do	30, 59	LR
457.94375	do	33, 59	LR
457.950	do	59	LR
457.95625	do	33, 59	LR
457.9625	do	30, 59	LR
457.96875	do	33, 59	LR
457.975	do.		
457.98125	do	33.	
457.9875	do	30.	
457.99375	do	33.	
458.000	do.		
458.00625	do	33.	
458.0125	do	30.	
458.01875	do	33.	
459.000	Base or mobile	8	IP
460.650	do	48, 61, 62.	
460.65625	do	33, 48, 61, 62.	
460.6625	do	30, 48, 61, 62, 69.	
460.66875	do	33, 48, 61, 62.	
460.675	do	48, 61, 62.	
460.68125	do	33, 48, 61, 62.	
460.6875	do	30, 48, 61, 62, 69.	
460.69375	do	33, 48, 61, 62.	
460.700	do	48, 61, 62.	
460.70625	do	33, 48, 61, 62.	
460.7125	do	30, 48, 61, 62, 69.	
460.71875	do	33, 48, 61, 62.	
460.725	do	48, 61, 62.	
460.73125	do	33, 48, 61, 62.	
460.7375	do	30, 48, 61, 62, 69.	
460.74375	do	33, 48, 61, 62.	
460.750	do	48, 61, 62.	
460.75625	do	33, 48, 61, 62.	
460.7625	do	30, 48, 61, 62, 69.	
460.76875	do	33, 48, 61, 62.	
460.775	do	48, 61, 62.	
460.78125	do	33, 48, 61, 62.	
460.7875	do	30, 48, 61, 62, 69.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
460.79375	do	33, 48, 61, 62.	
460.800	do	48, 61, 62.	
460.80625	do	33, 48, 61, 62.	
460.8125	do	30, 48, 61, 62, 69.	
460.81875	do	33, 48, 61, 62.	
460.825	do	48, 61, 62.	
460.83125	do	33, 48, 61, 62.	
460.8375	do	30, 48, 61, 62, 69.	
460.84375	do	33, 48, 61, 62.	
460.850	do	48, 61, 62.	
460.85625	do	33, 48, 61, 62.	
460.8625	do	30, 48, 61, 62, 69.	
460.86875	do	33, 48, 61, 62.	
460.875	do	48, 61, 62.	
460.88125	do	33, 48, 61, 62.	
460.8875	do	30, 48, 61, 62, 69.	
460.89375	do	33, 48, 61, 62.	
460.900	do	63, 64, 65.	
460.90625	do	33, 63, 64, 65.	
460.9125	do	30, 63, 64, 65.	
460.91875	do	33, 63, 64, 65.	
460.925	do	63, 64, 65.	
460.93125	do	33, 63, 64, 65.	
460.9375	do	30, 63, 64, 65.	
460.94375	do	33, 63, 64, 65.	
460.950	do	63, 64, 65.	
460.95625	do	33, 63, 64, 65.	
460.9625	do	30, 63, 64, 65.	
460.96875	do	33, 63, 64, 65.	
460.975	do	64, 65, 66	
460.98125	do	33, 64, 65, 66.	
460.9875	do	30, 64, 65, 66.	
460.99375	do	33, 64, 65, 66.	
461.000	do	64, 65, 66.	
461.00625	do	33, 64, 65, 66.	
461.0125	do	30, 64, 65, 66.	
461.01875	do	33, 64, 65, 66.	
461.025	do	62.	
461.03125	do	33, 62.	
461.0375	do	30, 62.	
461.04375	do	33, 62.	
461.050	do	62.	
461.05625	do	33, 62.	
461.0625	do	30, 62.	
461.06875	do	33, 62.	
461.075	do	62.	
461.08125	do	33, 62.	
461.0875	do	30, 62.	
461.09375	do	33, 62.	
461.100	do	62.	
461.10625	do	33, 62.	
461.1125	do	30, 62.	
461.11875	do	33, 62.	
461.125	do	62.	
461.13125	do	33, 62.	
461.1375	do	30, 62.	
461.14375	do	33, 62.	
461.150	do	62.	
461.15625	do	33, 62.	
461.1625	do	30, 62.	
461.16875	do	33, 62.	
461.175	do	62.	
461.18125	do	33, 62.	
461.1875	do	30, 62.	
461.19375	do	33, 62.	
461.200	do	62.	
461.20625	do	33, 62.	
461.2125	do	30, 62.	
461.21875	do	33, 62.	
461.225	do	62.	
461.23125	do	33, 62.	
461.2375	do	30, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
461.24375	do	33, 62.	
461.250	do	62.	
461.25625	do	33, 62.	
461.2625	do	30, 62.	
461.26875	do	33, 62.	
461.275	do	62.	
461.28125	do	33, 62.	
461.2875	do	30, 62.	
461.29375	do	33, 62.	
461.300	do	62.	
461.30625	do	33, 62.	
461.3125	do	30, 62.	
461.31875	do	33, 62.	
461.325	do	62.	
461.33125	do	33, 62.	
461.3375	do	30, 62.	
461.34375	do	33, 62.	
461.350	do	62.	
461.35625	do	33, 62.	
461.3625	do	30, 62.	
461.36875	do	33, 62.	
461.375	do	62.	
461.38125	do	33, 62.	
461.3875	do	30, 62.	
461.39375	do	33, 62.	
461.400	do	62.	
461.40625	do	33, 62.	
461.4125	do	30, 62.	
461.41875	do	33, 62.	
461.425	do	62.	
461.43125	do	33, 62.	
461.4375	do	30, 62.	
461.44375	do	33, 62.	
461.450	do	62.	
461.45625	do	33, 62.	
461.4625	do	30, 62.	
461.46875	do	33, 62.	
461.475	do	62.	
461.48125	do	33, 62.	
461.4875	do	30, 62.	
461.49375	do	33, 62.	
461.500	do	62.	
461.50625	do	33, 62.	
461.5125	do	30, 62.	
461.51875	do	33, 62.	
461.525	do	62.	
461.53125	do	33, 62.	
461.5375	do	30, 62.	
461.54375	do	33, 62.	
461.550	do	62.	
461.55625	do	33, 62.	
461.5625	do	30, 62.	
461.56875	do	33, 62.	
461.575	do	62.	
461.58125	do	33, 62.	
461.5875	do	30, 62.	
461.59375	do	33, 62.	
461.600	do	62.	
461.60625	do	33, 62.	
461.6125	do	30, 62.	
461.61875	do	33, 62.	
461.625	do	62.	
461.63125	do	33, 62.	
461.6375	do	30, 62.	
461.64375	do	33, 62.	
461.650	do	62.	
461.65625	do	33, 62.	
461.6625	do	30, 62.	
461.66875	do	33, 62.	
461.675	do	62.	
461.68125	do	33, 62.	
461.6875	do	30, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
461.69375	do	33, 62.	
461.700	do	62.	
461.70625	do	33, 62.	
461.7125	do	30, 62.	
461.71875	do	33, 62.	
461.725	do	62.	
461.73125	do	33, 62.	
461.7375	do	30, 62.	
461.74375	do	33, 62.	
461.750	do	62.	
461.75625	do	33, 62.	
461.7625	do	30, 62.	
461.76875	do	33, 62.	
461.775	do	62.	
461.78125	do	33, 62.	
461.7875	do	30, 62.	
461.79375	do	33, 62.	
461.800	do	62.	
461.80625	do	33, 62.	
461.8125	do	30, 62.	
461.81875	do	33, 62.	
461.825	do	62.	
461.83125	do	33, 62.	
461.8375	do	30, 62.	
461.84375	do	33, 62.	
461.850	do	62.	
461.85625	do	33, 62.	
461.8625	do	30, 62.	
461.86875	do	33, 62.	
461.875	do	62.	
461.88125	do	33, 62.	
461.8875	do	30, 62.	
461.89375	do	33, 62.	
461.900	do	62.	
461.90625	do	33, 62.	
461.9125	do	30, 62.	
461.91875	do	33, 62.	
461.925	do	62.	
461.93125	do	33, 62.	
461.9375	do	30, 62.	
461.94375	do	33, 62.	
461.950	do	62.	
461.95625	do	33, 62.	
461.9625	do	30, 62.	
461.96875	do	33, 62.	
461.975	do	62.	
461.98125	do	33, 62.	
461.9875	do	30, 62.	
461.99375	do	33, 62.	
462.000	do	62.	
462.00625	do	33, 62.	
462.0125	do	30, 62.	
462.01875	do	33, 62.	
462.025	do	62.	
462.03125	do	33, 62.	
462.0375	do	30, 62.	
462.04375	do	33, 62.	
462.050	do	62.	
462.05625	do	33, 62.	
462.0625	do	30, 62.	
462.06875	do	33, 62.	
462.075	do	62.	
462.08125	do	33, 62.	
462.0875	do	30, 62.	
462.09375	do	33, 62.	
462.100	do	62.	
462.10625	do	33, 62.	
462.1125	do	30, 62.	
462.11875	do	33, 62.	
462.125	do	62.	
462.13125	do	33, 62.	
462.1375	do	30, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
462.14375	do	33, 62.	
462.150	do	62.	
462.15625	do	33, 62.	
462.1625	do	30, 62.	
462.16875	do	33, 62.	
462.175	do	62.	
462.18125	do	33, 62.	
462.1875	do	30, 62.	
462.19375	do	33, 62.	
462.200	do.		
462.20625	do	33.	
462.2125	do	30.	
462.21875	do	33.	
462.225	do.		
462.23125	do	33.	
462.2375	do	30.	
462.24375	do	33.	
462.250	do.		
462.25625	do	33.	
462.2625	do	30.	
462.26875	do	33.	
462.275	do.		
462.28125	do	33.	
462.2875	do	30.	
462.29375	do	33.	
462.300	do.		
462.30625	do	33.	
462.3125	do	30.	
462.31875	do	33.	
462.325	do.		
462.33125	do	33.	
462.3375	do	30.	
462.34375	do	33.	
462.350	do.		
462.35625	do	33.	
462.3625	do	30.	
462.36875	do	33.	
462.375	do.		
462.38125	do	33.	
462.3875	do	30.	
462.39375	do	33.	
462.400	do.		
462.40625	do	33.	
462.4125	do	30.	
462.41875	do	33.	
462.425	do.		
462.43125	do	33.	
462.4375	do	30.	
462.44375	do	33.	
462.450	do.		
462.45625	do	33.	
462.4625	do	30.	
462.46875	do	33.	
462.475	do.		
462.48125	do	33.	
462.4875	do	30.	
462.49375	do	33.	
462.500	do.		
462.50625	do	33.	
462.5125	do	30.	
462.51875	do	33.	
462.525	do.		
462.53125	do	33.	
462.750	Base	29, 36.	
462.7625	Mobile	67.	
462.775	Base	29, 36.	
462.7875	Mobile	67.	
462.800	Base	29, 36.	
462.8125	Mobile	67.	
462.825	Base	29, 36.	
462.8375	Mobile	67.	
462.850	Base	29, 36.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
462.8625	Mobile	67.	
462.875	Base	29, 36.	
462.8875	Mobile	67.	
462.900	Base	29, 36.	
462.9125	Mobile	67.	
462.925	Base	29, 36.	
462.9375	Mobile	67.	
462.94375	Base or mobile	33.	
463.200	.....do	62.	
463.20625	.....do	33, 62.	
463.2125	.....do	30, 62.	
463.21875	.....do	33, 62.	
463.225	.....do	62.	
463.23125	.....do	33, 62.	
463.2375	.....do	30, 62.	
463.24375	.....do	33, 62.	
463.250	.....do	62.	
463.25625	.....do	33, 62.	
463.2625	.....do	30, 62.	
463.26875	.....do	33, 62.	
463.275	.....do	62.	
463.28125	.....do	33, 62.	
463.2875	.....do	30, 62.	
463.29375	.....do	33, 62.	
463.300	.....do	62.	
463.30625	.....do	33, 62.	
463.3125	.....do	30, 62.	
463.31875	.....do	33, 62.	
463.325	.....do	62.	
463.33125	.....do	33, 62.	
463.3375	.....do	30, 62.	
463.34375	.....do	33, 62.	
463.350	.....do	62.	
463.35625	.....do	33, 62.	
463.3625	.....do	30, 62.	
463.36875	.....do	33, 62.	
463.375	.....do	62.	
463.38125	.....do	33, 62.	
463.3875	.....do	30, 62.	
463.39375	.....do	33, 62.	
463.400	.....do	62.	
463.40625	.....do	33, 62.	
463.4125	.....do	30, 62.	
463.41875	.....do	33, 62.	
463.425	.....do	62.	
463.43125	.....do	33, 62.	
463.4375	.....do	30, 62.	
463.44375	.....do	33, 62.	
463.450	.....do	62.	
463.45625	.....do	33, 62.	
463.4625	.....do	30, 62.	
463.46875	.....do	33, 62.	
463.475	.....do	62.	
463.48125	.....do	33, 62.	
463.4875	.....do	30, 62.	
463.49375	.....do	33, 62.	
463.500	.....do	62.	
463.50625	.....do	33, 62.	
463.5125	.....do	30, 62.	
463.51875	.....do	33, 62.	
463.525	.....do	62.	
463.53125	.....do	33, 62.	
463.5375	.....do	30, 62.	
463.54375	.....do	33, 62.	
463.550	.....do	62.	
463.55625	.....do	33, 62.	
463.5625	.....do	30, 62.	
463.56875	.....do	33, 62.	
463.575	.....do	62.	
463.58125	.....do	33, 62.	
463.5875	.....do	30, 62.	
463.59375	.....do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
463.600	do	62.	
463.60625	do	33, 62.	
463.6125	do	30, 62.	
463.61875	do	33, 62.	
463.625	do	62.	
463.63125	do	33, 62.	
463.6375	do	30, 62.	
463.64375	do	33, 62.	
463.650	do	62.	
463.65625	do	33, 62.	
463.6625	do	30, 62.	
463.66875	do	33, 62.	
463.675	do	62.	
463.68125	do	33, 62.	
463.6875	do	30, 62.	
463.69375	do	33, 62.	
463.700	do	62.	
463.70625	do	33, 62.	
463.7125	do	30, 62.	
463.71875	do	33, 62.	
463.725	do	62.	
463.73125	do	33, 62.	
463.7375	do	30, 62.	
463.74375	do	33, 62.	
463.750	do	62.	
463.75625	do	33, 62.	
463.7625	do	30, 62.	
463.76875	do	33, 62.	
463.775	do	62.	
463.78125	do	33, 62.	
463.7875	do	30, 62.	
463.79375	do	33, 62.	
463.800	do	62.	
463.80625	do	33, 62.	
463.8125	do	30, 62.	
463.81875	do	33, 62.	
463.825	do	62.	
463.83125	do	33, 62.	
463.8375	do	30, 62.	
463.84375	do	33, 62.	
463.850	do	62.	
463.85625	do	33, 62.	
463.8625	do	30, 62.	
463.86875	do	33, 62.	
463.875	do	62.	
463.88125	do	33, 62.	
463.8875	do	30, 62.	
463.89375	do	33, 62.	
463.900	do	62.	
463.90625	do	33, 62.	
463.9125	do	30, 62.	
463.91875	do	33, 62.	
463.925	do	62.	
463.93125	do	33, 62.	
463.9375	do	30, 62.	
463.94375	do	33, 62.	
463.950	do	62.	
463.95625	do	33, 62.	
463.9625	do	30, 62.	
463.96875	do	33, 62.	
463.975	do	62.	
463.98125	do	33, 62.	
463.9875	do	30, 62.	
463.99375	do	33, 62.	
464.000	do	62.	
464.00625	do	33, 62.	
464.0125	do	30, 62.	
464.01875	do	33, 62.	
464.025	do	62.	
464.03125	do	33, 62.	
464.0375	do	30, 62.	
464.04375	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
464.050	do	62.	
464.05625	do	33, 62.	
464.0625	do	30, 62.	
464.06875	do	33, 62.	
464.075	do	62.	
464.08125	do	33, 62.	
464.0875	do	30, 62.	
464.09375	do	33, 62.	
464.100	do	62.	
464.10625	do	33, 62.	
464.1125	do	30, 62.	
464.11875	do	33, 62.	
464.125	do	62.	
464.13125	do	33, 62.	
464.1375	do	30, 62.	
464.14375	do	33, 62.	
464.150	do	62.	
464.15625	do	33, 62.	
464.1625	do	30, 62.	
464.16875	do	33, 62.	
464.175	do	62.	
464.18125	do	33, 62.	
464.1875	do	30, 62.	
464.19375	do	33, 62.	
464.200	do	62.	
464.20625	do	33, 62.	
464.2125	do	30, 62.	
464.21875	do	33, 62.	
464.225	do	62.	
464.23125	do	33, 62.	
464.2375	do	30, 62.	
464.24375	do	33, 62.	
464.250	do	62.	
464.25625	do	33, 62.	
464.2625	do	30, 62.	
464.26875	do	33, 62.	
464.275	do	62.	
464.28125	do	33, 62.	
464.2875	do	30, 62.	
464.29375	do	33, 62.	
464.300	do	62.	
464.30625	do	33, 62.	
464.3125	do	30, 62.	
464.31875	do	33, 62.	
464.325	do	62.	
464.33125	do	33, 62.	
464.3375	do	30, 62.	
464.34375	do	33, 62.	
464.350	do	62.	
464.35625	do	33, 62.	
464.3625	do	30, 62.	
464.36875	do	33, 62.	
464.375	do	62.	
464.38125	do	33, 62.	
464.3875	do	30, 62.	
464.39375	do	33, 62.	
464.400	do	62.	
464.40625	do	33, 62.	
464.4125	do	30, 62.	
464.41875	do	33, 62.	
464.425	do	62.	
464.43125	do	33, 62.	
464.4375	do	30, 62.	
464.44375	do	33, 62.	
464.450	do	62.	
464.45625	do	33, 62.	
464.4625	do	30, 62.	
464.46875	do	33, 62.	
464.475	do	62.	
464.48125	do	33, 62.	
464.4875	do	30, 62.	
464.500	do	10, 34.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
464.5125	do	30, 62.	
464.51875	do	33, 62.	
464.525	do	62.	
464.53125	do	33, 62.	
464.5375	do	30, 62.	
464.550	do	10, 34.	
464.5625	do	30, 62.	
464.56875	do	33, 62.	
464.575	do	62.	
464.58125	do	33, 62.	
464.5875	do	30, 62.	
464.59375	do	33, 62.	
464.600	do	62.	
464.60625	do	33, 62.	
464.6125	do	30, 62.	
464.61875	do	33, 62.	
464.625	do	62.	
464.63125	do	33, 62.	
464.6375	do	30, 62.	
464.64375	do	33, 62.	
464.650	do	62.	
464.65625	do	33, 62.	
464.6625	do	30, 62.	
464.66875	do	33, 62.	
464.675	do	62.	
464.68125	do	33, 62.	
464.6875	do	30, 62.	
464.69375	do	33, 62.	
464.700	do	62.	
464.70625	do	33, 62.	
464.7125	do	30, 62.	
464.71875	do	33, 62.	
464.725	do	62.	
464.73125	do	33, 62.	
464.7375	do	30, 62.	
464.74375	do	33, 62.	
464.750	do	62.	
464.75625	do	33, 62.	
464.7625	do	30, 62.	
464.76875	do	33, 62.	
464.775	do	62.	
464.78125	do	33, 62.	
464.7875	do	30, 62.	
464.79375	do	33, 62.	
464.800	do	62.	
464.80625	do	33, 62.	
464.8125	do	30, 62.	
464.81875	do	33, 62.	
464.825	do	62.	
464.83125	do	33, 62.	
464.8375	do	30, 62.	
464.84375	do	33, 62.	
464.850	do	62.	
464.85625	do	33, 62.	
464.8625	do	30, 62.	
464.86875	do	33, 62.	
464.875	do	62.	
464.88125	do	33, 62.	
464.8875	do	30, 62.	
464.89375	do	33, 62.	
464.900	do	62.	
464.90625	do	33, 62.	
464.9125	do	30, 62.	
464.91875	do	33, 62.	
464.925	do	62.	
464.93125	do	33, 62.	
464.9375	do	30, 62.	
464.94375	do	33, 62.	
464.950	do	62.	
464.95625	do	33, 62.	
464.9625	do	30, 62.	
464.96875	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
464.975	do	62.	
464.98125	do	33, 62.	
464.9875	Mobile	67.	
465.000	Base	29, 34, 36.	
465.0125	Mobile	67.	
465.01875	do	33, 34.	
465.650	do	11, 61, 62, 68.	
465.65625	do	11, 33, 61, 62, 68.	
465.6625	do	11, 30, 61, 62, 68, 69.	
465.66875	do	11, 33, 61, 62, 68.	
465.675	do	11, 61, 62, 68.	
465.68125	do	11, 33, 61, 62, 68.	
465.6875	do	11, 30, 61, 62, 68, 69.	
465.69375	do	11, 33, 61, 62, 68.	
465.700	do	11, 61, 62, 68.	
465.70625	do	11, 33, 61, 62, 68.	
465.7125	do	11, 30, 61, 62, 68, 69.	
465.71875	do	11, 33, 61, 62, 68.	
465.725	do	11, 61, 62, 68.	
465.73125	do	11, 33, 61, 62, 68.	
465.7375	do	11, 30, 61, 62, 68, 69.	
465.74375	do	11, 33, 61, 62, 68.	
465.750	do	11, 61, 62, 68.	
465.75625	do	11, 33, 61, 62, 68.	
465.7625	do	11, 30, 61, 62, 68, 69.	
465.76875	do	11, 33, 61, 62, 68.	
465.775	do	11, 61, 62, 68.	
465.78125	do	11, 33, 61, 62, 68.	
465.7875	do	11, 30, 61, 62, 68, 69.	
465.79375	do	11, 33, 61, 62, 68.	
465.800	do	11, 61, 62, 68.	
465.80625	do	11, 33, 61, 62, 68.	
465.8125	do	11, 30, 61, 62, 68, 69.	
465.81875	do	11, 33, 61, 62, 68.	
465.825	do	11, 61, 62, 68.	
465.83125	do	11, 33, 61, 62, 68.	
465.8375	do	11, 30, 61, 62, 68, 69.	
465.84375	do	11, 33, 61, 62, 68.	
465.850	do	11, 61, 62, 68.	
465.85625	do	11, 33, 61, 62, 68.	
465.8625	do	11, 30, 61, 62, 68, 69.	
465.86875	do	11, 33, 61, 62, 68.	
465.875	do	11, 61, 62, 68.	
465.88125	do	11, 33, 61, 62, 68.	
465.8875	do	11, 30, 61, 62, 68, 69.	
465.89375	do	11, 33, 61, 62, 68.	
465.900	do	63, 64.	
465.90625	do	33, 63, 64.	
465.9125	do	30, 63, 64.	
465.91875	do	33, 63, 64.	
465.925	do	63, 64.	
465.93125	do	33, 63, 64.	
465.9375	do	30, 63, 64.	
465.94375	do	33, 63, 64.	
465.950	do	63, 64.	
465.95625	do	33, 63, 64.	
465.9625	do	30, 63, 64.	
465.96875	do	33, 63, 64.	
465.975	do	64, 66.	
465.98125	do	33, 64, 66.	
465.9875	do	30, 64, 66.	
465.99375	do	33, 64, 66.	
466.000	do	64, 66.	
466.00625	do	33, 64, 66.	
466.0125	do	30, 64, 66, 69.	
466.01875	do	33, 64, 66.	
466.025	do	62.	
466.03125	do	33, 62.	
466.0375	do	30, 62.	
466.04375	do	33, 62.	
466.050	do	62.	
466.05625	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
466.0625	do	30, 62.	
466.06875	do	33, 62.	
466.075	do	62.	
466.08125	do	33, 62.	
466.0875	do	30, 62.	
466.09375	do	33, 62.	
466.100	do	62.	
466.10625	do	33, 62.	
466.1125	do	30, 62.	
466.11875	do	33, 62.	
466.125	do	62.	
466.13125	do	33, 62.	
466.1375	do	30, 62.	
466.14375	do	33, 62.	
466.150	do	62.	
466.15625	do	33, 62.	
466.1625	do	30, 62.	
466.16875	do	33, 62.	
466.175	do	62.	
466.18125	do	33, 62.	
466.1875	do	30, 62.	
466.19375	do	33, 62.	
466.200	do	62.	
466.20625	do	33, 62.	
466.2125	do	30, 62.	
466.21875	do	33, 62.	
466.225	do	62.	
466.23125	do	33, 62.	
466.2375	do	30, 62.	
466.24375	do	33, 62.	
466.250	do	62.	
466.25625	do	33, 62.	
466.2625	do	30, 62.	
466.26875	do	33, 62.	
466.275	do	62.	
466.28125	do	33, 62.	
466.2875	do	30, 62.	
466.29375	do	33, 62.	
466.300	do	62.	
466.30625	do	33, 62.	
466.3125	do	30, 62.	
466.31875	do	33, 62.	
466.325	do	62.	
466.33125	do	33, 62.	
466.3375	do	30, 62.	
466.34375	do	33, 62.	
466.350	do	62.	
466.35625	do	33, 62.	
466.3625	do	30, 62.	
466.36875	do	33, 62.	
466.375	do	62.	
466.38125	do	33, 62.	
466.3875	do	30, 62.	
466.39375	do	33, 62.	
466.400	do	62.	
466.40625	do	33, 62.	
466.4125	do	30, 62.	
466.41875	do	33, 62.	
466.425	do	62.	
466.43125	do	33, 62.	
466.4375	do	30, 62.	
466.44375	do	33, 62.	
466.450	do	62.	
466.45625	do	33, 62.	
466.4625	do	30, 62.	
466.46875	do	33, 62.	
466.475	do	62.	
466.48125	do	33, 62.	
466.4875	do	30, 62.	
466.49375	do	33, 62.	
466.500	do	62.	
466.50625	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
466.5125	do	30, 62.	
466.51875	do	33, 62.	
466.525	do	62.	
466.53125	do	33, 62.	
466.5375	do	30, 62.	
466.54375	do	33, 62.	
466.550	do	62.	
466.55625	do	33, 62.	
466.5625	do	30, 62.	
466.56875	do	33, 62.	
466.575	do	62.	
466.58125	do	33, 62.	
466.5875	do	30, 62.	
466.59375	do	33, 62.	
466.600	do	62.	
466.60625	do	33, 62.	
466.6125	do	30, 62.	
466.61875	do	33, 62.	
466.625	do	62.	
466.63125	do	33, 62.	
466.6375	do	30, 62.	
466.64375	do	33, 62.	
466.650	do	62.	
466.65625	do	33, 62.	
466.6625	do	30, 62.	
466.66875	do	33, 62.	
466.675	do	62.	
466.68125	do	33, 62.	
466.6875	do	30, 62.	
466.69375	do	33, 62.	
466.700	do	62.	
466.70625	do	33, 62.	
466.7125	do	30, 62.	
466.71875	do	33, 62.	
466.725	do	62.	
466.73125	do	33, 62.	
466.7375	do	30, 62.	
466.74375	do	33, 62.	
466.750	do	62.	
466.75625	do	33, 62.	
466.7625	do	30, 62.	
466.76875	do	33, 62.	
466.775	do	62.	
466.78125	do	33, 62.	
466.7875	do	30, 62.	
466.79375	do	33, 62.	
466.800	do	62.	
466.80625	do	33, 62.	
466.8125	do	30, 62.	
466.81875	do	33, 62.	
466.825	do	62.	
466.83125	do	33, 62.	
466.8375	do	30, 62.	
466.84375	do	33, 62.	
466.850	do	62.	
466.85625	do	33, 62.	
466.8625	do	30, 62.	
466.86875	do	33, 62.	
466.875	do	62.	
466.88125	do	33, 62.	
466.8875	do	30, 62.	
466.89375	do	33, 62.	
466.900	do	62.	
466.90625	do	33, 62.	
466.9125	do	30, 62.	
466.91875	do	33, 62.	
466.925	do	62.	
466.93125	do	33, 62.	
466.9375	do	30, 62.	
466.94375	do	33, 62.	
466.950	do	62.	
466.95625	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
466.9625	do	30, 62.	
466.96875	do	33, 62.	
466.975	do	62.	
466.98125	do	33, 62.	
466.9875	do	30, 62.	
466.99375	do	33, 62.	
467.000	do	62.	
467.00625	do	33, 62.	
467.0125	do	30, 62.	
467.01875	do	33, 62.	
467.025	do	62.	
467.03125	do	33, 62.	
467.0375	do	30, 62.	
467.04375	do	33, 62.	
467.050	do	62.	
467.05625	do	33, 62.	
467.0625	do	30, 62.	
467.06875	do	33, 62.	
467.075	do	62.	
467.08125	do	33, 62.	
467.0875	do	30, 62.	
467.09375	do	33, 62.	
467.100	do	62.	
467.10625	do	33, 62.	
467.1125	do	30, 62.	
467.11875	do	33, 62.	
467.125	do	62.	
467.13125	do	33, 62.	
467.1375	do	30, 62.	
467.14375	do	33, 62.	
467.150	do	62.	
467.15625	do	33, 62.	
467.1625	do	30, 62.	
467.16875	do	33, 62.	
467.175	do	62.	
467.18125	do	33, 62.	
467.1875	do	30, 62.	
467.19375	do	33, 62.	
467.200	do.		
467.20625	do	33.	
467.2125	do	30.	
467.21875	do	33.	
467.225	do.		
467.23125	do	33.	
467.2375	do	30.	
467.24375	do	33.	
467.250	do.		
467.25625	do	33.	
467.2625	do	30.	
467.26875	do	33.	
467.275	do.		
467.28125	do	33.	
467.2875	do	30.	
467.29375	do	33.	
467.300	do.		
467.30625	do	33.	
467.3125	do	30.	
467.31875	do	33.	
467.325	do.		
467.33125	do	33.	
467.3375	do	30.	
467.34375	do	33.	
467.350	do.		
467.35625	do	33.	
467.3625	do	30.	
467.36875	do	33.	
467.375	do.		
467.38125	do	33.	
467.3875	do	30.	
467.39375	do	33.	
467.400	do.		
467.40625	do	33.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
467.4125	do	30.	
467.41875	do	33.	
467.425	do.		
467.43125	do	33.	
467.4375	do	30.	
467.44375	do	33.	
467.450	do.		
467.45625	do	33.	
467.4625	do	30.	
467.46875	do	33.	
467.475	do.		
467.48125	do	33.	
467.4875	do	30.	
467.49375	do	33.	
467.500	do.		
467.50625	do	33.	
467.5125	do	30.	
467.51875	do	33.	
467.525	do.		
467.53125	do	33.	
467.74375	do	33, 62.	
467.750	do	11, 12, 35, 60.	
467.75625	do	11, 12, 33, 35, 60.	
467.7625	do	11, 12, 30, 35, 60.	
467.76875	do	11, 12, 33, 35, 60.	
467.775	do	11, 12, 35, 60.	
467.78125	do	11, 12, 33, 35, 60.	
467.7875	do	11, 12, 30, 35, 60.	
467.79375	do	11, 12, 33, 35, 60.	
467.800	do	11, 12, 35, 60.	
467.80625	do	11, 12, 33, 35, 60.	
467.8125	do	11, 12, 30, 35, 60.	
467.81875	do	11, 12, 33, 35, 60.	
467.825	do	11, 12, 35, 60.	
467.83125	do	11, 12, 33, 35, 60.	
467.8375	do	11, 12, 33, 35, 60.	
467.850	do	11, 12, 35.	
467.8625	do	67.	
467.875	do	11, 12, 35.	
467.8875	do	67.	
467.900	do	11, 12, 35.	
467.9125	do	67.	
467.925	do	11, 12, 35.	
467.93125	do	33.	
467.9375	do	30, 67.	
467.94375	do	33.	
468.200	do	62.	
468.20625	do	33, 62.	
468.2125	do	30, 62.	
468.21875	do	33, 62.	
468.225	do	62.	
468.23125	do	33, 62.	
468.2375	do	30, 62.	
468.24375	do	33, 62.	
468.250	do	62.	
468.25625	do	33, 62.	
468.2625	do	30, 62.	
468.26875	do	33, 62.	
468.275	do	62.	
468.28125	do	33, 62.	
468.2875	do	30, 62.	
468.29375	do	33, 62.	
468.300	do	62.	
468.30625	do	33, 62.	
468.3125	do	30, 62.	
468.31875	do	33, 62.	
468.325	do	62.	
468.33125	do	33, 62.	
468.3375	do	30, 62.	
468.34375	do	33, 62.	
468.350	do	62.	
468.35625	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
468.3625	do	30, 62.	
468.36875	do	33, 62.	
468.375	do	62.	
468.38125	do	33, 62.	
468.3875	do	30, 62.	
468.39375	do	33, 62.	
468.400	do	62.	
468.40625	do	33, 62.	
468.4125	do	30, 62.	
468.41875	do	33, 62.	
468.425	do	62.	
468.43125	do	33, 62.	
468.4375	do	30, 62.	
468.44375	do	33, 62.	
468.450	do	62.	
468.45625	do	33, 62.	
468.4625	do	30, 62.	
468.46875	do	33, 62.	
468.475	do	62.	
468.48125	do	33, 62.	
468.4875	do	30, 62.	
468.49375	do	33, 62.	
468.500	do	62.	
468.50625	do	33, 62.	
468.5125	do	30, 62.	
468.51875	do	33, 62.	
468.525	do	62.	
468.53125	do	33, 62.	
468.5375	do	30, 62.	
468.54375	do	33, 62.	
468.550	do	62.	
468.55625	do	33, 62.	
468.5625	do	30, 62.	
468.56875	do	33, 62.	
468.575	do	62.	
468.58125	do	33, 62.	
468.5875	do	30, 62.	
468.59375	do	33, 62.	
468.600	do	62.	
468.60625	do	33, 62.	
468.6125	do	30, 62.	
468.61875	do	33, 62.	
468.625	do	62.	
468.63125	do	33, 62.	
468.6375	do	30, 62.	
468.64375	do	33, 62.	
468.650	do	62.	
468.65625	do	33, 62.	
468.6625	do	30, 62.	
468.66875	do	33, 62.	
468.675	do	62.	
468.68125	do	33, 62.	
468.6875	do	30, 62.	
468.69375	do	33, 62.	
468.700	do	62.	
468.70625	do	33, 62.	
468.7125	do	30, 62.	
468.71875	do	33, 62.	
468.725	do	62.	
468.73125	do	33, 62.	
468.7375	do	30, 62.	
468.74375	do	33, 62.	
468.750	do	62.	
468.75625	do	33, 62.	
468.7625	do	30, 62.	
468.76875	do	33, 62.	
468.775	do	62.	
468.78125	do	33, 62.	
468.7875	do	30, 62.	
468.79375	do	33, 62.	
468.800	do	62.	
468.80625	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
468.8125	do	30, 62.	
468.81875	do	33, 62.	
468.825	do	62.	
468.83125	do	33, 62.	
468.8375	do	30, 62.	
468.84375	do	33, 62.	
468.850	do	62.	
468.85625	do	33, 62.	
468.8625	do	30, 62.	
468.86875	do	33, 62.	
468.875	do	62.	
468.88125	do	33, 62.	
468.8875	do	30, 62.	
468.89375	do	33, 62.	
468.900	do	62.	
468.90625	do	33, 62.	
468.9125	do	30, 62.	
468.91875	do	33, 62.	
468.925	do	62.	
468.93125	do	33, 62.	
468.9375	do	30, 62.	
468.94375	do	33, 62.	
468.950	do	62.	
468.95625	do	33, 62.	
468.9625	do	30, 62.	
468.96875	do	33, 62.	
468.975	do	62.	
468.98125	do	33, 62.	
468.9875	do	30, 62.	
468.99375	do	33, 62.	
469.000	do	62.	
469.00625	do	33, 62.	
469.0125	do	30, 62.	
469.01875	do	33, 62.	
469.025	do	62.	
469.03125	do	33, 62.	
469.0375	do	30, 62.	
469.04375	do	33, 62.	
469.050	do	62.	
469.05625	do	33, 62.	
469.0625	do	30, 62.	
469.06875	do	33, 62.	
469.075	do	62.	
469.08125	do	33, 62.	
469.0875	do	30, 62.	
469.09375	do	33, 62.	
469.100	do	62.	
469.10625	do	33, 62.	
469.1125	do	30, 62.	
469.11875	do	33, 62.	
469.125	do	62.	
469.13125	do	33, 62.	
469.1375	do	30, 62.	
469.14375	do	33, 62.	
469.150	do	62.	
469.15625	do	33, 62.	
469.1625	do	30, 62.	
469.16875	do	33, 62.	
469.175	do	62.	
469.18125	do	33, 62.	
469.1875	do	30, 62.	
469.19375	do	33, 62.	
469.200	do	62.	
469.20625	do	33, 62.	
469.2125	do	30, 62.	
469.21875	do	33, 62.	
469.225	do	62.	
469.23125	do	33, 62.	
469.2375	do	30, 62.	
469.24375	do	33, 62.	
469.250	do	62.	
469.25625	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
469.2625	do	30, 62.	
469.26875	do	33, 62.	
469.275	do	62.	
469.28125	do	33, 62.	
469.2875	do	30, 62.	
469.29375	do	33, 62.	
469.300	do	62.	
469.30625	do	33, 62.	
469.3125	do	30, 62.	
469.31875	do	33, 62.	
469.325	do	62.	
469.33125	do	33, 62.	
469.3375	do	30, 62.	
469.34375	do	33, 62.	
469.350	do	62.	
469.35625	do	33, 62.	
469.3625	do	30, 62.	
469.36875	do	33, 62.	
469.375	do	62.	
469.38125	do	33, 62.	
469.3875	do	30, 62.	
469.39375	do	33, 62.	
469.400	do	62.	
469.40625	do	33, 62.	
469.4125	do	30, 62.	
469.41875	do	33, 62.	
469.425	do	62.	
469.43125	do	33, 62.	
469.4375	do	30, 62.	
469.44375	do	33, 62.	
469.450	do	62.	
469.45625	do	33, 62.	
469.4625	do	30, 62.	
469.46875	do	33, 62.	
469.475	do	62.	
469.48125	do	33, 62.	
469.4875	do	30, 62.	
469.500	do	10, 30, 34.	
469.5125	do	30, 62.	
469.51875	do	33, 62.	
469.525	do	62.	
469.53125	do	33, 62.	
469.5375	do	30, 62.	
469.550	do	10, 30, 34.	
469.5625	do	30, 62.	
469.56875	do	33, 62.	
469.575	do	62.	
469.58125	do	33, 62.	
469.5875	do	30, 62.	
469.59375	do	33, 62.	
469.600	do	62.	
469.60625	do	33, 62.	
469.6125	do	30, 62.	
469.61875	do	33, 62.	
469.625	do	62.	
469.63125	do	33, 62.	
469.6375	do	30, 62.	
469.64375	do	33, 62.	
469.650	do	62.	
469.65625	do	33, 62.	
469.6625	do	30, 62.	
469.66875	do	33, 62.	
469.675	do	62.	
469.68125	do	33, 62.	
469.6875	do	30, 62.	
469.69375	do	33, 62.	
469.700	do	62.	
469.70625	do	33, 62.	
469.7125	do	30, 62.	
469.71875	do	33, 62.	
469.725	do	62.	
469.73125	do	33, 62.	

INDUSTRIAL/BUSINESS POOL FREQUENCY TABLE—Continued

Frequency or band	Class of station(s)	Limitations	Coordinator
469.7375	do	30, 62.	
469.74375	do	33, 62.	
469.750	do	62.	
469.75625	do	33, 62.	
469.7625	do	30, 62.	
469.76875	do	33, 62.	
469.775	do	62.	
469.78125	do	33, 62.	
469.7875	do	30, 62.	
469.79375	do	33, 62.	
469.800	do	62.	
469.80625	do	33, 62.	
469.8125	do	30, 62.	
469.81875	do	33, 62.	
469.825	do	62.	
469.83125	do	33, 62.	
469.8375	do	30, 62.	
469.84375	do	33, 62.	
469.850	do	62.	
469.85625	do	33, 62.	
469.8625	do	30, 62.	
469.86875	do	33, 62.	
469.875	do	62.	
469.88125	do	33, 62.	
469.8875	do	30, 62.	
469.89375	do	33, 62.	
469.900	do	62.	
469.90625	do	33, 62.	
469.9125	do	30, 62.	
469.91875	do	33, 62.	
469.925	do	62.	
469.93125	do	33, 62.	
469.9375	do	30, 62.	
469.94375	do	33, 62.	
469.950	do	62.	
469.95625	do	33, 62.	
469.9625	do	30, 62.	
469.96875	do	33, 62.	
469.975	do	62.	
469.98125	do	33, 62.	
470 to 512	Base or mobile	70.	
806 to 821	Mobile	71.	
851 to 866	Base or mobile	71.	
896 to 901	Mobile	71.	
928 and above	Operational fixed	72.	
929 to 930	Base only	73.	
935 to 940	Base or mobile	71.	
1,427 to 1,435	Base, or mobile operational fixed	55 .	
2,450 to 2,500	Base or mobile	74.	
8,400 to 8,500	do	75.	
10,550 to 10, 680	do	76.	

(c) Explanation of assignment limitations appearing in the frequency table of paragraph (b)(3) of this section:

(1) Use of this frequency is permitted as follows:

(i) Only entities engaged in the following activities are eligible to use this spectrum, and then only in accordance with § 90.266:

(A) Prospecting for petroleum, natural gas or petroleum products;

(B) Distribution of electric power or the distribution by pipeline of fuels or water;

(C) Exploration, its support services, and the repair of pipelines; or

(D) The repair of telecommunications circuits.

(ii) Except as provided in this part, licensees may not use these frequencies in the place of other operational circuits permitted by the Commission's rules. Circuits operating on these frequencies may be used only for the following purposes:

(A) Providing standby backup communications for circuits which have been disrupted and which directly affect the safety of life, property, or the national interest or are used for coordinating inter-utility, intra-utility, and power pool distribution of electric power;

(B) Providing operational circuits during exploration;

(C) Coordinating the repair of inter-utility, intra-utility, and power pool electric power distribution networks, or the repair of pipelines;

(D) Exploratory efforts in mining for solid fuels, minerals, and metals important to the national interest;

(E) Repair of pipelines used for the transmission of fuel or water;

(F) Services supporting the exploration for energy or mineral resources important to the national

interest, without which such exploration cannot be conducted; or

(G) Coordinating the repair of wireline or point-to-point microwave circuits.

(2) Use of this frequency is limited to an amplitude modulation mode of operation.

(3) This frequency is available for assignment only to stations utilized for geophysical purposes.

(4) Geophysical operations may use tone or impulse signaling for purposes other than indicating failure of equipment or abnormal conditions on this frequency. All such tone or impulse signaling shall be on a secondary basis and subject to the following limitations:

(i) Maximum duration of a single non-voice transmission may not exceed 3 minutes;

(ii) The bandwidth utilized for secondary tone or impulse signaling shall not exceed that authorized to the licensee for voice emission on the frequency concerned;

(iii) Frequency loading resulting from the use of secondary tone or impulse signaling will not be considered in whole or in part, as a justification for authorizing additional frequencies in the licensee's mobile service system; and

(iv) The maximum transmitter output power for tone or impulse transmissions shall not exceed 50 watts.

(5) Frequencies below 25 MHz will be assigned to base or mobile stations only upon a satisfactory showing that, from a safety of life standpoint, frequencies above 25 MHz will not meet the operational requirements of the applicant.

(6) Frequencies may be assigned in pairs with the separation between base and mobile transmit frequencies being 5.26 MHz. A mobile station may be assigned the frequency which would normally be assigned to a base station for single-frequency operation. However, this single-frequency operation may be subject to interference that would not occur to a two-frequency system.

(7) This frequency is available for assignment to geophysical stations on a secondary basis to other licensees. Geophysical stations must cease operations on this frequency immediately upon receiving notice that interference is being caused to mobile service stations.

(8) This frequency is primarily available for oil spill containment and cleanup operations and for training and drills essential in the preparations for the containment and cleanup of oil spills. It is secondarily available for general base-mobile operations on a noninterference basis. Secondary users of this frequency are required to forego its use should oil spill containment and cleanup activities be present in their area of operation or upon notice by the Commission or a primary user that harmful interference is being caused to oil spill containment or cleanup activities in other areas.

(9) Operation on this frequency is secondary to stations in the maritime mobile service operating in accordance with the International table of frequency allocations.

(10) This frequency will be assigned only to stations used in itinerant operations, except within 56 km (35 miles) of Detroit, Mich., where it may be assigned for either itinerant or permanent area operations (*i.e.*, general use).

(11) Operation on this frequency is limited to a maximum output power of 2 watts; and each station authorized will be classified and licensed as a mobile station. Any units of such a station, however, may provide the operational functions of a base or fixed station on a secondary basis to mobile service operations, Provided, that the separation between the control point and the center of the radiating portion of the antenna of any units so used does not exceed 8 m (25 ft.).

(12) This frequency may not be used aboard aircraft in flight.

(13) This frequency is shared with the Public Safety Pool.

(14) Operation on this frequency is limited to a maximum output power of 1 watt and each station authorized will be classified and licensed as a mobile station. Any units of such a station, however, may provide the operational functions of a base of fixed station on a secondary basis to mobile service operations, Provided, That the separation between the control point and the center of the radiating portion of the antenna of any units so used does not exceed 8 m (25 ft.).

(15) This Government frequency is available for shared Government/non-Government use by stations engaged in oil spill containment and cleanup operations and for training and drills essential in the preparation for containment and cleanup of oil spills. Such use will be confined to inland and coastal waterways.

(16) This frequency may be assigned only to stations operating in an interconnected or coordinated utility system in accordance with an operational communications plan which sets forth all points of communications. Authorizations at variance with an established operational communications plan will be made only on a secondary basis.

(17) This frequency will be assigned only to stations used in itinerant operations.

(18) This frequency is also used on a secondary basis for cordless telephones under part 15 of this chapter.

(19) In addition to single frequency operation, this frequency is available to base and mobile stations for the paired frequency mode of operation. For two frequency systems, the separation between base and mobile transmit frequencies is 500 kHz with the base stations transmitting on the higher of the two frequencies.

(20) In the State of Alaska only, the frequency 44.10 MHz is available for assignment on a primary basis to stations in the Common Carrier Rural Radio Service utilizing meteor burst communications. The frequency may be used by private radio stations for meteor burst communications on a secondary, non-interference basis. Usage shall be in accordance with part 22 of this chapter and this part 90. Stations utilizing meteor burst communications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(21) In the State of Alaska only, the frequency 44.20 MHz is available for assignment on a primary basis to private land mobile radio stations utilizing meteor burst communications. The frequency may be used by common carrier stations for meteor burst communications on a secondary, noninterference basis. Usage shall be in accordance with part 22 of this chapter and this part 90. Stations utilizing meteor burst communications shall not cause harmful interference to stations of other radio services operating in accordance with the allocation table.

(22) The frequencies available for use at operational fixed stations in the band 72–76 MHz are listed in § 90.257(a)(1). These frequencies are shared with other services and are available only in accordance with the provisions of § 90.257. Seismic telemetry transmitters type accepted with 1 watt or less power and a frequency tolerance not exceeding +/−0.005% may be used as temporary operational fixed stations.

(23) This frequency is shared with fixed stations in other services and is subject to no protection from interference.

(24) All operations on this frequency are subject to the provisions of § 90.257(b).

(25) This frequency is shared with the Radio Control (R/C) Service, of the part 95 Personal Radio Services, where it is used solely for the radio control of models.

(26) Pulsed modulations will not be authorized on this frequency.

(27) Assignment of frequencies in this band are subject to the provisions of § 90.173. In the 150–170 MHz band, licensees as of August 18, 1995 who operate systems that are 2.5 kHz removed from regularly assignable frequencies may continue to operate on a secondary, non-interference basis after August 1, 2003.

(28) In Puerto Rico and the Virgin Islands this frequency is subject to the following:

(i) This frequency is assigned only for one-way paging communications to mobile receivers. Only A1D, A2D, A3E, F1D, F2D, F3E, or G3E emissions may be authorized. Licensees may provide one-way paging communications on this frequency to individuals, persons eligible for licensing under subparts B or C of this part, to representatives of Federal Government agencies, and foreign governments and their representatives; and

(ii) This frequency will not be assigned to stations for use at temporary locations.

(29) This frequency will be authorized a channel bandwidth of 25 kHz. Except when limited elsewhere, one-way paging transmitters on this frequency may operate with an output power of 350 watts.

(30) This frequency will be assigned with an authorized bandwidth not to exceed 11.25 kHz. In the 450–470 MHz band, secondary telemetry operations pursuant to § 90.238(e) will be authorized on this frequency.

(31) Use of this frequency is limited to stations located in Puerto Rico and the Virgin Islands.

(32) This frequency is not available to stations located in Puerto Rico and the Virgin Islands.

(33) This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(34) Operation on this frequency is limited to a maximum output power of 35 watts.

(35) This frequency may be used for mobile operation for radio remote control and telemetering functions. A1D, A2D, F1D, or F2D emission may be authorized and mobile stations used to control remote objects or devices may be operated on the continuous carrier transmit mode.

(36) This frequency is assigned only for one-way paging communications to mobile receivers. Only A1D, A2D, A3E, F1D, F2D, F3E, or G3E emissions may be authorized. Licensees may provide one-way paging communications on this frequency to individuals, persons eligible for licensing under subparts B or C of this part, to representatives of Federal Government agencies, and foreign governments and their representatives.

(37) This frequency is available on a secondary basis to one-way paging communications.

(38) This frequency will not be assigned to stations for use at temporary locations.

(39) For FM transmitters the sum of the highest modulating frequency and the amount of frequency deviation may not exceed 2.8 kHz and the maximum frequency deviation may not exceed 2.5 kHz. For AM transmitters the highest modulating frequency may not exceed 2.0 kHz. The carrier frequency must be maintained within 0.0005 percent, and the authorized bandwidth may not exceed 6 kHz.

(40) This frequency is shared with the Public Safety Pool for remote control and telemetry operations.

(41) Operational fixed stations must employ directional antennas having a front-to-back ratio of at least 20 dB. Omnidirectional antennas having unity gain may be employed for stations communicating with at least three receiving locations separated by 160 deg. of azimuth.

(42) The maximum effective radiated power (ERP) may not exceed 20 watts for fixed stations and 2 watts for mobile stations. The height of the antenna system may not exceed 15.24 meters (50 ft.) above the ground. All such operation is on a secondary basis to adjacent channel land mobile operations.

(43) This frequency is available for the following:

(i) Assignment to multiple address fixed stations employing omnidirectional antennas used for power utility peak load shaving and shedding and to mobile stations used for the remote control of objects and devices. The maximum power that may be authorized to fixed stations is 300 watts output, and the maximum power that may be authorized for mobile stations is 1 watt output. This frequency may also be assigned to operational fixed stations employing directional antenna systems (front-to-back ratio of 20 dB) when such stations are located at least 120 km. (75 mi.) from the boundaries of any urbanized area of 200,000 or more population. (U.S. Census of Population, 1960). The maximum power output of the transmitter for such fixed stations may not exceed 50 watts. A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission may be authorized; or

(ii) On a secondary basis for remote control and telemetry operations, subject to paragraphs (c)(41), (42), (43), (46), and (47) of this section.

(44) The maximum output power of the transmitter may not exceed 50 watts for fixed stations and 1 watt for mobile stations. A1A, A1D, A2B, A2D, F1B, F1D, F2B, F2D, G1B, G1D, G2B, or G2D emission may be authorized, and mobile stations used to control remote objects and devices may be operated in the continuous transmit mode.

(45) Authorizations to operate on this frequency will be issued on a secondary basis for A2B, A2D, F2B or F2D emission for tone signaling or for a combination of such emission with A3E, F3E or G3E emission with a maximum bandwidth of 20 kHz. The output power shall not exceed 2 watts. The maximum distance between any transmitter and the center of the radiating portion of its antenna shall not exceed 8 m. (25 ft.).

(46) This frequency is limited to a maximum power of 20 watts.

(47) This frequency may be used for mobile operation for remote control and telemetering functions. A1D, A2D, F1D, or F2D emission may be authorized. The use of the continuous carrier transmit mode for these purposes is permitted only for stations authorized and continuously licensed since before May 21, 1971.

(48) Except as noted in paragraph (c)(61) of this section, operation on this frequency is limited to a maximum output power of 20 watts.

(49) Operation on this frequency is limited to a maximum output power of 75 watts.

(50) This frequency may also be used for the transmission of tone or voice communications, including such communications when prerecorded, for purposes of automatically indicating abnormal conditions of trackage and railroad rolling stock when in motion, on a secondary basis to other stations on this frequency. All such operations shall be subject to the following:

(i) The output power shall not exceed 30 watts;

(ii) The bandwidth used shall not exceed that authorized to the licensee for voice transmissions on the frequency concerned;

(iii) The station shall be so designed and installed that it can normally be activated only by its associated automatic control equipment and, in addition, it shall be equipped with a time delay or clock device which will deactivate the station within three (3) minutes following activation by the last car in the train; and

(iv) Stations authorized pursuant to the provisions of this paragraph are exempt from the station identification requirements of § 90.425.

(51) In Puerto Rico and the Virgin Islands only, this frequency is available on a shared basis with remote pickup broadcast stations.

(52) In Puerto Rico and the Virgin Islands only, this frequency is available to all stations operating in the Industrial/Business Pool.

(53) Frequencies in this band will be assigned only for transmitting hydrological or meteorological data or for low power wireless microphones in accordance with the provisions of § 90.265.

(54) For FM transmitters the sum of the highest modulating frequency and the amount of frequency deviation may not exceed 1.7 kHz and the maximum deviation may not exceed 1.2 kHz. For AM transmitters the highest modulating frequency may not exceed 1.2 kHz. The carrier frequency must be maintained within 0.0005 percent and the authorized bandwidth may not exceed 3 kHz.

(55) This band is available to stations operating in this service subject to the provisions of § 90.259.

(56) Subpart T of this part contains rules for assignment of frequencies in the 220–222 MHz band.

(57) The requirements for secondary fixed use of frequencies in this band are set forth in § 90.261.

(58) Operational fixed assignments on this frequency will only be made to an itinerant fixed control or relay station on a secondary basis to land-mobile stations in the Industrial/Business Pool, provided that the fixed relay or control station is to be associated with base and mobile facilities authorized to use other frequencies available for itinerant operation in the Industrial/Business Pool. All such use of these frequencies for fixed systems is limited to locations 161 or more km. (100 mi.) from the center of any urbanized area of 200,000 or more population, except that the distance may be 120 km. (75 mi.) if the output power does not exceed 20 watts. All such fixed systems are limited to a maximum of two frequencies and must employ directional antennas with a front-to-back ratio of at least 15 dB. The centers of urbanized areas of 200,000 or more population are determined from the appendix, page 226, of the U.S. Commerce publication, ''Air Line Distance Between Cities in the United States.'' Urbanized areas of 200,000 or more population are defined in the U.S. Census of Population, 1960, volume 1, table 23, page 1–50.

(59) This frequency may be assigned primarily for stations used for the purpose of controlling slave locomotives that are placed within a train to assist the lead locomotive by providing, among other functions, auxiliary starting, pulling, and braking actions. Additionally, on a secondary basis this frequency may be assigned for remote control of all types of locomotives and, within a railroad yard or terminal area, for remote control of cab indicator devices placed with a locomotive to give visual signals to the operator of the locomotive. (A1, A2, F1 or F2 emissions may be authorized.)

(60)(i) Frequencies subject to this assignment limitation are herein considered collectively for use for communications concerned with cargo handling from a dock, or a cargo handling facility, to a vessel alongside. Any number of the frequencies may be authorized to one licensee for the purpose. Mobile relay stations may be temporarily installed at or in the vicinity of a dock or cargo handling facility and used when a vessel is alongside the dock or cargo handling facility.

Mobile relay (MHz)	Mobile (MHz)
457.525	467.750
457.53125	467.75625
457.5375	467.7625
457.54375	467.76875
457.550	467.775
457.55625	467.78125
457.5625	467.7875
457.56875	467.79375
457.575	467.800
457.58125	467.80625
457.5875	467.8125
457.59375	467.81875
457.600	467.825
457.60625	467.83125
457.6125	
457.61875	

(ii) For single frequency simplex: Use mobile relay frequencies. The effective radiated power (ERP) on any frequency shall not exceed 2 watts. The center of the radiating system of the on-board repeater antenna shall be located no more than 3 m (10 ft.) above the vessel's highest working deck.

(61) This frequency is available for assignment as follows:

(i) To persons furnishing commercial air transportation service or, pursuant to § 90.179, to an entity furnishing radio communications service to persons so engaged, for stations located on or near the airports listed in paragraph (c)(61)(iv) of this section. Stations will be authorized on a primary basis and may be used only in connection with the servicing and supplying of aircraft.

(ii) To stations in the Industrial/Business Pool for secondary use at locations 80 km (50 mi) or more from the coordinates of the listed airports at a maximum ERP of 300 watts.

(iii) To stations in the Industrial/Business Pool for secondary use at locations 16 km (10 mi) or more from the coordinates of the listed airports at a maximum transmitter output power of 2 watts. Use of the frequency is restricted to the confines of an industrial complex or manufacturing yard area. Stations licensed prior to April 17, 1986 may continue to operate with facilities authorized as of that date.

(iv) The airports and their respective reference coordinates are:

City and airport	Reference coordinate	
	Latitude	Longitude
Akron, OH:		
Akron-Canton Regional (CAK)	40°55′01″ N	81°26′30″ W
Albany-Troy-Schenectady, NY:		
Albany County (ALB)	42°44′53″ N	73°48′12″ W
Albuquerque, NM:		
Albuquerque International (ABQ)	35°02′30″ N	106°36′23″ W
Allentown-Bethlehem, PA:		
Allentown-Bethlehem-Easton (ABE)	40°39′11″ N	75°26′25″ W
Anchorage, AK:		
Anchorage International (ANC)	61°10′30″ N	149°59′38″ W
Atlanta, GA:		
Atlanta International (ATL)	33°38′25″ N	84°25′37″ W
Dekalb-Peachtree (PDK)	33°52′30″ N	84°18′08″ W
Fulton County (FTY)	33°46′45″ N	84°31′17″ W

City and airport	Reference coordinate	
	Latitude	Longitude
Baltimore, MD:		
Baltimore-Washington Int'l (BWI)	39°10′30″ N	76°40′10″ W
Birmingham, AL:		
Birmingham Municipal (BHM)	33°33′50″ N	86°45′16″ W
Boston, MA:		
Logan International (BOS)	42°21′51″ N	71°00′21″ W
Bridgeport, CT:		
Sikorsky Memorial (BDR)	41°09′49″ N	73°07′35″ W
Buffalo, NY:		
Greater Buffalo Int'l (BUF)	42°56′26″ N	78°43′57″ W
Canton, OH:		
Akron-Canton Regional (CAK)	40°55′01″ N	81°26′30″ W
Charlotte, NC:		
Charlotte-Douglas Int'l (CLT)	35°12′52″ N	80°56′37″ W
Chattanooga, TN:		
Lovell (CHA)	35°02′07″ N	85°12′15″ W
Chicago, IL-Northwest, IN:		
Chicago-Wheeling-Palwaukee (PWK)	42°06′48″ N	87°54′03″ W
Meigs (CGX)	41°51′32″ N	87°36′28″ W
Michiana Regional (SBN)	41°42′18″ N	86°18′59″ W
Midway (MDW)	41°47′10″ N	87°45′08″ W
O'Hare International (ORD)	41°58′48″ N	87°54′16″ W
West Chicago-Dupage (DPE)	41°54′52″ N	88°14′47″ W
Cincinnati, OH:		
Greater Cincinnati Int'l (CVG)	39°14′59″ N	84°23′14″ W
Lunken (LUK)	39°06′12″ N	84°25′08″ W
Cleveland, OH:		
Burke Lakefront (BKL)	41°31′03″ N	81°41′01″ W
Cuyahoga County (CGF)	41°33′54″ N	81°29′11″ W
Hopkins International (CLE)	41°24′38″ N	81°50′58″ W
Columbus, OH:		
Port Columbus Int'l (CMH)	39°59′42″ N	82°53′11″ W
Dallas, TX:		
Addison (ADS)	32°58′06″ N	96°50′10″ W
Dallas-Ft. Worth Regional (DFW)	32°53′45″ N	97°02′10″ W
Dallas-Love Field (DAL)	32°50′49″ N	96°51′05″ W
Red Bird (RBD)	32°40′49″ N	96°52′02″ W
Davenport, IA (Rock Island, Moline, IL):		
Davenport Municipal (DVN)	41°36′42″ N	90°35′21″ W
Quad City (MLI)	41°26′56″ N	90°30′35″ W
Dayton, OH:		
Dayton International (DAY)	39°54′04″ N	84°13′12″ W
Denver, CO:		
Centennial (APA)	39°34′19″ N	104°50′54″ W
Colorado Springs Municipal (COS)	38°48′31″ N	104°42′5″ W
Denver-Jeffco (BJC)	39°54′28″ N	105°26′53″ W
Stapleton International (DEN)	39°46′ 22″ N	104°52′ 38″ W
Des Moines, IA:		
Des Moines Municipal (DSM)	41°32′06″ N	93°39′38″ W
Detroit, MI:		
Detroit City (DET)	42°24′33″ N	83°00′36″ W
Detroit Metro-Wayne County (DTW)	42°12′55″ N	83°20′55″ W
Oakland-Pontiac (PTK)	42°39′54″ N	83°25′05″ W
Willow Run (YIP)	42°14′16″ N	83°31′50″ W
El Paso, TX:		
El Paso International (ELP)	31°48′24″ N	106°22′38″ W
Flint, MI:		
Bishop (FNT)	42°57′56″ N	83°44′37″ W
Ft. Lauderdale-Hollywood, FL:		
Ft. Lauderdale Executive (FXE)	26°11′49″ N	80°10′15″ W
Ft. Lauderdale-Hollywd Int'l (FLL)	26°04′19″ N	80°09′13″ W
Ft. Worth, TX:		
Meacham (FTW)	32°49′09″ N	97°21′41″ W
Fresno, CA:		
Chandler Downtown (FCH)	36°43′56″ N	119°49′08″ W
Fresno Air Terminal (FAT)	36°46′36″ N	119°43′02″ W
Grand Rapids, MI:		
Kent County Int'l (GRR)	42°52′57″ N	85°31′26″ W
Hana, HI:		
Hana (HNN)	20°47′56″ N	156°01′02″ W
Harrisburg, PA:		
Capital City (CXY)	40°13′01″ N	76°51′06″ W

City and airport	Reference coordinate	
	Latitude	Longitude
Harrisburg Int'l (MDT)	40°11′36″ N	76°45′49″ W
Hartford, CT (Windsor Locks):		
Bradley Int'l (BDL)	41°56′20″ N	72°41′01″ W
Hartford-Brainard (HFD)	41°44′10″ N	72°39′02″ W
Hilo, HI:		
General Lyman Field (ITO)	19°43′24″ N	155°03′05″ W
Honolulu, HI:		
Honolulu International (HNL)	21°19′20″ N	157°55′27″ W
Houston, TX:		
W.P. Hobby (HOU)	29°38′43″ N	95°16′43″ W
D.W. Hooks Memorial (DWH)	30°03′50″ N	95°33′11″ W
Houston Intercontinental (IAH)	29°58′55″ N	95°20′45″ W
Indianapolis, IN:		
Indianapolis Int'l (IND)	39°43′32″ N	86°17′02″ W
Jacksonville, FL:		
Craig Municipal (CRG)	30°20′10″ N	81°30′53″ W
Jacksonville Int'l (JAX)	30°29′33″ N	81°41′24″ W
Kahului, HI:		
Kahului (OGG)	20°54′07″ N	156°25′59″ W
Kailula-Kona, HI:		
Ke-Ahole (KOA)	19°44′08″ N	156°25′06″ W
Kameula, HI:		
Waimea-Kohala (MUE)	20°00′16″ N	155°40′15″ W
Kansas City, MO-KS:		
Fairfax Municipal (KCK)	39°08′50″ N	94°56′14″ W
Kansas City Int'l (MCI)	39°17′57″ N	94°43′04″ W
Kansas City Municipal Dntn (MKC)	39°07′24″ N	94°35′33″ W
Richard-Gebaur (GBW)	38°50′37″ N	94°33′37″ W
Kauna Kakai, HI:		
Molokai (MKK)	21°09′22″ N	157°55′07″ W
Las Vegas, NV:		
McCarran Int'l (LAS)	36°04′58″ N	115°09′13″ W
Lihue, HI:		
Lihue (LIH)	21°58′42″ N	159°20′40″ W
Los Angeles, CA:		
Burbank-Glendale-Pasadena (BUR)	34°21′02″ N	118°21′27″ W
Catalina (AVX)	33°24′20″ N	118°24′50″ W
Long Beach-Daugherty Field (LGB)	33°49′03″ N	118°09′03″ W
Los Angeles Int'l (LAX)	33°56′33″ N	118°24′26″ W
Ontario Int'l (ONT)	34°03′22″ N	117°36′11″ W
Santa Ana-John Wayne-Orange City (SNA)	33°40′32″ N	117°52′02″ W
Louisville, KY:		
Standiford Field (SDF)	38°10′40″ N	85°44′11″ W
Memphis, TN:		
Memphis Int'l (MEM)	35°02′59″ N	89°58′43″ W
Miami, FLA:		
Miami Int'l (MIA)	25°47′34″ N	80°17′26″ W
Opa Locka (OPF)	25°54′25″ N	80°16′50″ W
Tamiami (TMB)	25°38′51″ N	80°25′59″ W
Milwaukee, WI:		
General Mitchell (MKE)	42°56′49″ N	87°53′49″ W
Minneapolis-St. Paul, MN:		
Minneapolis-St. Paul (MSP)	44°53′03″ N	93°12′54″ W
Mobile, AL:		
Bates Field (MOB)	30°41′23″ N	88°14′31″ W
Nashville, TN:		
Nashville Metropolitan (BNA)	36°07′37″ N	86°40′53″ W
New Haven, CT:		
Tweed-New Haven Municipal (HVN)	41°15′50″ N	72°53′15″ W
New Orleans, LA:		
Lakefront (NEW)	30°02′33″ N	90°01′41″ W
New Orleans Int'l (MSY)	29°59′34″ N	90°15′23″ W
Newport News-Hampton,VA:		
Patrick Henry Int'l (PHF)	37°07′54″ N	76°29′36″ W
New York-Northeast, NJ:		
Farmingdale Republic (FRG)	40°43′43″ N	73°24′50″ W
JFK International (JFK)	40°38′25″ N	73°46′42″ W
LaGuardia (LGA)	40°46′38″ N	73°52′27″ W
Long Island-McArthur (ISP)	40°47′44″ N	73°06′00″ W
Morristown Municipal (NJ) (MMU)	40°47′57″ N	74°24′55″ W
Newark Int'l (FWR)	40°41′35″ N	74°10′07″ W
Teterboro (NJ) (TEB)	40°51′00″ N	74°03′41″ W

City and airport	Reference coordinate	
	Latitude	Longitude
Norfolk-Portsmouth, VA:		
Norfolk Int'l (ORF)	36°53′40″ N	76°12′06″ W
Oklahoma City, OK:		
Wiley Post (DWA)	35°32′03″ N	97°38′48″ W
Will Rogers World (OKC)	35°23′35″ N	97°36′02″ W
Omaha, NE:		
Eppley Airfield (OMA)	41°18′04″ N	95°53′36″ W
Orlando, FL:		
Orlando Executive (ORL)	28°32′43″ N	81°19′59″ W
Orlando Int'l (MCO)	28°25′54″ N	81°19′59″ W
Philadelphia, PA-NJ:		
Northeast Philadelphia (PNE)	40°04′55″ N	75°00′40″ W
Philadelphia Int'l (PHC)	39°52′13″ N	75°14′43″ W
Phoenix, AZ:		
Phoenix-Sky Habor Int'l (PHX)	33°26′10″ N	112°00′32″ W
Scottsdale Municipal (SDC)	33°37′22″ N	111°54′35″ W
Pittsburgh, PA:		
Allegheny County (AGC)	40°21′16″ N	79°55′49″ W
Greater Pittsburgh Int'l (PIT)	40°29′30″ N	80°13′55″ W
Portland, OR:		
Portland-Hillsboro (HIO)	45°32′26″ N	122°56′55″ W
Portland International (PDX)	45°35′20″ N	122°35′47″ W
Portland-Troutdale (TTD)	45°32′58″ N	122°24′00″ W
Providence-Pawtucket, RI—MA:		
North Central State (SFZ)	41°55′15″ N	71°29′30″ W
T.F. Green State (PVD)	41°43′31″ N	71°25′41″ W
Reno, NV:		
Reno International (RNO)	39°29′52″ N	119°46′04″ W
Richmond, VA:		
Byrd International (RIC)	37°30′18″ N	77°19′12″ W
Rochester, NY:		
Rochester-Monroe County (ROC)	43°07′08″ N	77°40′22″ W
Sacramento, CA:		
Sacramento Executive (SAC)	38°30′45″ N	121°29′33″ W
Sacramento Metropolitan (SMF)	38°41′44″ N	121°36′01″ W
St. Louis, MO–IL:		
Spirit of St. Louis (SUS)	38°39′36″ N	90°38′43″ W
St. Louis-Lambert Int'l (STC)	38°44′51″ N	90°21′39″ W
St. Petersburg, FL:		
Albert Whitted Municipal (SPG)	27°45′53″ N	82°37′39″ W
Clearwater Int'l (PIE)	27°54′38″ N	82°41′16″ W
Salt Lake City, UT:		
Salt Lake City Int'l (SLC)	40°47′13″ N	111°58′05″ W
San Antonio, TX:		
San Antonio Int'l (SAT)	29°32′00″ N	98°28′10″ W
San Bernardino, CA:		
Ontario Int'l (ONT)	34°03′22″ N	117°36′11″ W
San Diego, CA:		
Lindbergh Int'l (SAN)	32°44′01″ N	117°11′12″ W
San Francisco-Oakland, CA:		
Metropolitan Oakland Int'l (OAK)	37°43′17″ N	122°13′11″ W
San Francisco Int'l (SFO)	37°37′08″ N	122°22′26″ W
San Jose, CA:		
San Jose Int'l (SJC)	37°21′41″ N	121°55′38″ W
Scranton, PA:		
Wilkes-Barre Scranton Int'l (AVP)	41°20′20″ N	75°43′27″ W
Seattle, WA:		
King County Int'l (BFI)	47°31′49″ N	122°18′03″ W
Seattle-Tacoma Int'l (SEA)	47°26′57″ N	122°18′29″ W
Shreveport, LA:		
Shreveport Downtown (DTN)	32°32′23″ N	93°44′40″ W
Shreveport Regional (SHV)	32°26′48″ N	93°49′30″ W
South Bend, IN:		
Michiana Regional (SBW)	41°42′18″ N	86°18′59″ W
Spokane, WA:		
Grant County (MWH)	47°12′28″ N	119°19′08″ W
Spokane Int'l (GEG)	47°37′12″ N	117°31′58″ W
Springfield, MA:		
Barnes Municipal (BAF)	42°09′28″ N	72°42′58″ W
Westover Field (CEF)	42°11′52″ N	72°31′50″ W
Syracuse, NY:		
Syracuse-Hancock Int'l (SYR)	43°06′44″ N	76°06′32″ W

City and airport	Reference coordinate	
	Latitude	Longitude
Tacoma, WA:		
Tacoma Narrows (TIW)	47°16′05″ N	122°34′37″ W
Tampa, FL:		
Tampa Int'l (TPA)	27°58′31″ N	82°32′00″ W
Toledo, OH:		
Toledo Express (TOL)	41°35′15″ N	83°48′19″ W
Trenton, NJ-PA:		
Mercer County (TTN)	40°16′38″ N	74°48′50″ W
Tucson, AZ:		
Tucson Int'l (TUS)	32°07′06″ N	110°56′35″ W
Tulsa, OK:		
R.L. Jones, Jr. (RVS)	36°02′18″ N	95°59′05″ W
Tulsa Int'l (TUL)	36°11′54″ N	95°53′16″ W
Washington, DC:		
Dulles International (IAD)	38°56′39″ N	77°27′26″ W
National (DCA)	38°51′07″ N	77°02′17″ W
Wichita, KS:		
Mid-Continent (ICT)	37°39′00″ N	97°25′58″ W
Wilkes-Barre, PA:		
Wilkes-Barre-Scranton (AVP)	41°20′20″ N	75°43′27″ W
Wilmington, DE:		
Gr. Wilm.-New Castle City (ILG)	39°40′42″ N	75°36′25″ W
Worcester, MA:		
Worcester Municipal (ORH)	42°16′02″ N	71°52′34″ W
Youngstown-Warren, OH-PA:		
Youngstown Municipal (YNG)	41°15′32″ N	80°40′34″ W

(62) This frequency may be assigned to fixed stations in the Industrial/Business Pool in accordance with the provisions of § 90.261.

(63) Within the boundaries of urbanized areas of 200,000 or more population, defined in the United States Census of Population, 1960, vol. 1, table 23, page 1–50, this frequency may be used only by persons rendering a central station commercial protection service within the service area of the radio station utilizing the frequency and may be used only for communications pertaining to safety of life and property, and for maintenance or testing of the protection facilities. Central Station commercial protection service is defined as an electrical protection and supervisory service rendered to the public from and by a central station accepted and certified by one or more of the recognized rating agencies, or the Underwriters Laboratories' (UL), or Factory Mutual System. Other stations in the Industrial/Business Pool may be licensed on this frequency only when all base, mobile relay and control stations are located at least 120 km (75 miles) from the city center or centers of the specified urbanized areas of 200,000 or more population. With respect to combination urbanized areas containing more than one city, 120 km (75 mile) separation shall be maintained from each city center which is included in the urbanized area. The locations of centers of cities are determined from appendix, page 226, of the U.S. Commerce publication ''Air Line Distance Between Cities in the United States.''

(64) Persons who render a central station commercial protection service are authorized to operate fixed stations on this frequency for the transmission of tone or impulse signals on a secondary, noninterference base-to-base/mobile operations subject to the following conditions and limitations:

(i) Secondary fixed operations may be used only for the following purposes:

(A) Indication of equipment malfunction;

(B) Actuation of a device to indicate the presence of an intruder, fire, or other hazardous condition on the property under the protection of the licensee;

(C) Indication of an abnormal condition in facilities under the protection of the licensee that, if not promptly reported, would result in danger to human life;

(D) Transmission, as may be necessary, to verify status of equipment; adjust operating conditions; or correct any abnormal condition; or

(E) Confirmation of status, or that an operation or correction has been accomplished.

(ii) The maximum duration of any one non-voice signal may not exceed 2 seconds and shall not be transmitted more than three times.

(iii) Systems employing automatic interrogation shall be limited to non-voice techniques and shall not be activated for this purpose more than 10 seconds out of any 60-second period. This 10-second frame includes both transmit and response times.

(iv) The bandwidth shall not exceed that authorized to the licensee for the primary operation on the frequency concerned.

(v) Frequency loading resulting from the use of secondary signaling will not be considered in whole or in part as a justification for authorizing additional frequencies in the licensee's mobile system.

(vi) A mobile service frequency may not be used exclusively for secondary signaling.

(vii) The output power shall not exceed 30 watts (at the remote site).

(viii) A1D, A2D, F1D, or F2D emission may be authorized.

(ix) The transmitter shall be designed to deactivate automatically after 3 minutes of continuous carrier radiation.

(x) Operational fixed stations authorized under this paragraph are exempt from the requirements of §§ 90.137(b), 90.429(d), 90.425 and 90.433.

(xi) On these frequencies, base, mobile relay or mobile stations may transmit secondary tone or impulse signals to receivers, as provided in this section.

(65) Licensees providing a central station commercial protection service may communicate with police or fire stations, or vehicles, on this frequency, and may install licensed transmitting units which operate on this frequency at

police or fire stations, or in police or fire vehicles, if the frequency's primary use is in a base/mobile system for a central station commercial protection service.

(66) This frequency may be assigned only to persons rendering a central station commercial protection service, which is defined in paragraph (c)(63) of this section, within the service area of the radio station utilizing the frequency.

(67) Use of this frequency is on a secondary basis and subject to the provisions of § 90.267 (a)(3), (a)(4), (a)(5), and (a)(7).

(68) Maximum permissible power output for stations on airports is 3 watts. Each station authorized on this frequency will be classified and licensed as a mobile station. Any units of such a station, however, may provide the functions of a base station on a secondary basis to mobile service operations provided that the vertical separation between the control point or ground level and the center of the radiating portion of the antenna of any units so used shall not exceed 8 m (25 ft.).

(69) This frequency may be used on a secondary, non-interference basis by a hospital or health care institution holding a license to operate a radio station under this part to operate a medical radio telemetry device with an output power not to exceed 20 milliwatts without specific authorization from the Commission.

(70) Subpart L of this part contains rules for assignment of frequencies in the 470–512 MHz band.

(71) Subpart S of this part contains rules for assignment of frequencies in the 806–821/851–866 and 896–901/935–940 MHz bands.

(72) Assignment of frequencies above 928 MHz for operational-fixed stations is governed by part 101 of this chapter.

(73) Frequencies in this band are available only for one-way paging operations in accordance with § 90.494.

(74) Available only on a shared basis with stations in other services, and subject to no protection from interference due to the operation of industrial, scientific, or medical (ISM) devices. In the 2483.5–2500 MHz band, no applications for new or modification to existing stations to increase the number of transmitters will be accepted. Existing licensees as of July 25, 1985, or on a subsequent date following as a result of submitting an application for license on or before July 25, 1985, are grandfathered and their operation is co-primary with the Radiodetermination Satellite Service.

(75) Use of frequencies in this band is limited to developmental operation and is subject to the provisions of subpart Q of this part.

(76) The frequencies in the band 10.55–10.68 GHz are available for Digital Termination Systems and for associated intermodal links in the Point-to-Point Microwave Service. No new licenses will be issued under this subpart but current licenses will be renewed.

(77) All communications on this frequency must be conducted within the boundaries or confines of the licensee's business premises.

(78) Base and mobile stations authorized as of April 1, 1968, may continue to be authorized for such operation on a secondary basis to the Maritime Mobile Service. The licensees of such stations may renew, modify, reinstate, or assign their licenses in those cases where such assignment accompanies a change of ownership of the licensee's business to the assignee, and may expand existing systems when using that frequency; however, they will not be authorized to establish any new systems.

(d) *Additional frequencies available.* In addition to the frequencies shown in the frequency table of this section, the following frequencies are available in this service. (See also § 90.253.)

(1) Frequencies may be substituted for those available below 25 MHz in accordance with the provisions of § 90.263.

(2) Frequencies in the band 73.0–74.6 MHz may be assigned to stations authorized their use on or before December 1, 1961, but no new stations will be authorized in this band, nor will expansion of existing systems be permitted. (See also § 90.257.)

(3) Frequencies in the 421–430 MHz band are available in the Detroit, Cleveland, and Buffalo areas in accordance with the rules in §§ 90.273 through 90.281.

(4) The following frequencies are available only in Puerto Rico and the Virgin Islands. These ''Base and Mobile'' and ''Mobile only'' frequencies are available on a shared basis with the Public Safety Pool. These ''Mobile only'' frequencies may be assigned to a control station associated with a mobile relay system if it is also assigned to the associated mobile station.

Base and mobile	Mobile only
159.240	160.410
159.2475	160.4175
159.255	160.425
159.2625	160.4325
159.270	160.440
159.2775	160.4475
159.285	160.455
159.2925	160.4625
159.300	160.470
159.3075	160.4775
159.315	160.485
159.3225	160.4925
159.330	160.500
159.3375	160.5075
159.345	160.515
159.3525	160.5225
159.360	160.530
159.3675	160.5375
159.375	160.545
159.3825	160.5525
159.390	160.560
159.3975	160.5675
159.405	160.575
159.4125	160.5825
159.420	160.590
159.4275	160.5975
159.435	160.605
159.4425	160.6125

(5) Low power mobile stations of 100 mw or less output power used for one-way, non-voice medical telemetry operations in hospitals or in medical convalescent centers are subject to the provisions of § 90.238.

(6) The frequency band 33.00–33.01 MHz may be used for developmental operations subject to the provisions of subpart Q of this part. Any type of emission other than pulsed emission may be used if the bandwidth occupied by the emission is contained within the assigned frequency band.

(e) *Limitation on number of frequencies assignable.* Normally only one frequency, or pair of frequencies in the paired frequency mode of operation, will be assigned for mobile service operations by a single applicant in a given area. The assignment of an additional frequency or pair of frequencies will be made only upon a satisfactory showing of need, except that:

(1) Additional frequencies above 25 MHz may be assigned in connection with operation of mobile repeaters in accordance with § 90.247 notwithstanding this limitation.

(2) Frequencies in the ranges 30.56–30.57 MHz, 35.00–35.01 MHz, 35.99–36.00 MHz, and 37.00–37.01 MHz are available for developmental operation by applicants in this service subject to the provisions of subpart Q of this part, notwithstanding this limitation.

(3) Frequencies in the 25–50 MHz, 150–170 MHz, 450–512 MHz and 902–928 MHz bands may be assigned for the operation of Location and Monitoring Service (LMS) systems in accordance with the provisions of subpart M of this part, notwithstanding this limitation.

(4) Authorizations for multiple frequencies for geophysical operations

will be granted on the frequencies governed by the limitations in paragraphs (c) (3) and (4) of this section notwithstanding this limitation. However, each geophysical exploration party may only use a maximum of four frequencies at any one time.

(5) Authorization for more than one mobile frequency in the band 72–76 MHz will be issued notwithstanding this limitation.

(6) This limitation shall not apply to paragraph (c)(1) of this section.

(7) Frequencies in the 457 and 467 MHz bands may be assigned collectively as provided by paragraph (c)(60) of this section notwithstanding this limitation.

(f) *Limitation on itinerant operation.* Base or mobile stations being utilized in itinerant operation will be authorized only on base or mobile frequencies designated for itinerant operation under paragraphs (c)(10) or (c)(17) of this section, or on other frequencies not designated for permanent use.

(g) The frequencies 10–490 kHz are used to operate electric utility Power Line Carrier (PLC) systems on power transmission lines for communications essential to the reliability and security of electric service to the public, in accordance with part 15 of this chapter. Any electric utility that generates, transmits, or distributes electrical energy for use by the general public or by the members of a cooperative organization may operate PLC systems and shall supply to a Federal Communications Commission/National Telecommunications and Information Administration recognized industry-operated entity, information on all existing, changes to existing, and proposed systems for inclusion in a data base. Such information shall include the frequency, power, location of transmitter(s), location of receivers and other technical and operational parameters, which would characterize the system's potential both to interfere with authorized radio users, and to receive harmful interference from these users. In an agreed upon format, the industry-operated entity shall inform the NTIA and the FCC of these system characteristics prior to implementation of any proposed PLC system and shall provide monthly or periodic lists with supplements of PLC systems. The FCC and NTIA will supply appropriate application and licensing information to the notification activity regarding authorized radio stations operating in the band. PLC systems in this band operate on a noninterference basis to radio systems assigned frequencies by the NTIA or licensed by the FCC and are not protected from interference due to these radio operations.

Subparts D and E—[Removed and Reserved]

11. Subparts D and E are removed and reserved.

12. Section 90.127 is amended by revising the first sentence of paragraph (a), introductory text, and the first sentence of paragraph (a)(1) to read as follows:

§ 90.127 Submission and filing of applications.

(a) All applications for private land mobile licenses that require both frequency coordination and fees as set forth at part 1, subpart G of this chapter shall first be sent to a certified coordinator for the radio pool concerned as specified in §§ 90.20(c)(2) and 90.35(b)(2). * * *

(1) All applications for private land mobile licenses that require frequency coordination but not a fee shall be sent to a certified coordinator for the radio pool concerned as specified in §§ 90.20(c)(2) and 90.35(b)(2). * * *

* * * * *

13. Section 90.129 is amended by revising paragraphs (h) and (n) and the introductory text of paragraphs (m) and (o) to read as follows:

§ 90.129 Supplemental information to be routinely submitted with applications.

* * * * *

(h) Requests for authorization to communicate with foreign stations in accordance with § 90.20(b) or § 90.417;

* * * * *

(m) Applicants requesting licenses to operate on frequencies pursuant to § 90.20(d)(6) must submit disaster communications plans containing the following information:

* * * * *

(n) All applications for renewal of base/mobile station licenses by licensees who also operate wildlife tracking telemetry transmitters, as described in § 90.20(f)(7), must include a statement detailing the number of units in service, by frequency, on Public Safety Pool frequencies at the time the renewal application is filed.

(o) Applicants requesting licenses to operate on frequencies pursuant to § 90.35(c)(1) must submit communications plans containing the following information:

* * * * *

14. Section 90.138 is revised to read as follows:

§ 90.138 Applications for itinerant frequencies.

An application for authority to conduct an itinerant operation in the Industrial/Business Pool must be restricted to use of itinerant frequencies or other frequencies not designated for permanent use and need not be accompanied by evidence of frequency coordination. Users should be aware, however, that no protection is provided from interference from other itinerant operations.

15. Section 90.145 is amended by revising paragraphs (b)(6) and (b)(13) to read as follows:

§ 90.145 Special temporary authority.

* * * * *

(b) * * *

(6) Class of station and name of radio service or radio pool;

* * * * *

(13) Statement of eligibility for a radio service or radio pool under this part.

* * * * *

16. Section 90.149 is amended by revising paragraph (a) to read as follows:

§ 90.149 License term.

(a) Licenses for stations authorized under this part will be issued for a term not to exceed five (5) years from the date of the original issuance, modification, or renewal, except that the license term for stations licensed as commercial mobile radio service on 220–222 MHz, 929–930 MHz paging, Industrial/Business Pool, and SMR frequencies shall be ten (10) years. Licensees shall have an additional thirty (30) days after the expiration of the license term to apply for reinstatement of expired licenses.

* * * * *

17. Section 90.159 is amended by revising the introductory text of paragraph (b), paragraph (b)(6), the last sentence of paragraph (c), and the fourth sentence of paragraph (d) to read as follows:

§ 90.159 Temporary and conditional permits.

* * * * *

(b) An applicant proposing to operate a new land mobile radio station or modify an existing station below 470 MHz or in the one-way paging 929–930 MHz band (other than a commercial mobile radio service applicant or licensee on these bands) that is required to submit a frequency recommendation pursuant to paragraphs (b) through (h) of § 90.175 may operate the proposed station during the pendency of its application for a period of up to one hundred eighty (180) days under a conditional permit upon the filing of a properly completed formal application that complies with § 90.127 if the application is accompanied by evidence of frequency coordination in accordance

with § 90.175 and provided that the following conditions are satisfied:

* * * * *

(6) The applicant has submitted an application to the Commission stating the frequency the applicant intends to use and that the frequency coordination requirements specified in § 90.175 for selection and use of this frequency have been met and a minimum of ten business days has passed between submission of the application to the Commission and the onset of operation.

(c) * * * All other categories of applications listed in § 90.175(i) that do not require evidence of frequency coordination are excluded from the provisions of this section.

(d) * * * Consistent with § 90.175(g), the applicant assumes all risks associated with operation under conditional authority, the termination or modification of conditional authority, or the subsequent dismissal or denial of its application. * * *

* * * * *

18. Section 90.167 is amended by revising paragraph (a) to read as follows:

§ 90.167 Time in which a station must commence service.

(a) Unless otherwise specified in this part, all 220–222 MHz, private carrier paging, Industrial/Business Pool, and SMR licensees must commence service within twelve (12) months from the date of grant or the authorization cancels automatically and must be returned to the Commission.

* * * * *

19. Section 90.173 is amended by revising paragraphs (a), (f), (g), (h), (l), and (m), and the third sentence of paragraph (i), and removing and reserving paragraph (j) to read as follows:

§ 90.173 Policies governing the assignment of frequencies.

(a) The frequencies which ordinarily may be assigned to stations in the services governed by this part are listed in subparts B, C and F of this part. Frequencies other than those listed in subparts B and C may be assigned in the 150–174 MHz, 421–430 MHz, 450–470 MHz, and 470–512 MHz bands, provided such applications are accompanied by a showing of frequency coordination in accordance with the requirements of § 90.175. Except as otherwise specifically provided in this part, frequencies assigned to land mobile stations are available on a shared basis only and will not be assigned for the exclusive use of any licensee.

* * * * *

(f) Applications for stations in the 150–174 MHz and 421–512 MHz bands for operation on frequencies 15 kHz or less removed from existing stations in the same geographic area will be granted based upon a recommendation from the applicable frequency coordinator as specified in §§ 90.20(c)(2) and 90.35(b)(2).

(g) In the states of Alaska and Hawaii, and in areas outside the continental limits of the United States and the adjacent waters, the frequencies above 150.8 MHz which are listed elsewhere in this part as available for assignment to base stations or mobile stations in the Industrial/Business Pool are also available for assignment to operational fixed stations in the Industrial/Business Pool on a secondary basis.

(h) In the Public Safety Pool, base stations may be authorized to operate on a secondary basis on frequencies below 450 MHz which are available to mobile stations.

(i) * * * In the Industrial/Business Pool, in the 150 MHz band, the frequencies subject to § 90.35(c)(6) may be assigned in pairs with the separation between base and mobile frequencies being 5.26 MHz. * * *

(j) [Reserved]

* * * * *

(l) In the 150–174 MHz band, except where otherwise specifically provided, authorizations for frequencies that were available prior to August 18, 1995 will be granted with channel bandwidths of 25 kHz or less. Authorizations for all other frequencies in this band will be granted with channel bandwidths of 12.5 kHz or less (*i.e.*, in the Public Safety Pool, frequencies subject to §§ 90.20 (d)(27) and (d)(44), and in the Industrial/Business Pool, frequencies subject to §§ 90.35 (c)(30) and (c)(33)).

(m) In the 421–512 MHz band, except where otherwise specifically provided, authorizations for frequencies that were available prior to August 18, 1995 will be granted with channel bandwidths of 25 kHz or less. New authorizations for frequencies 12.5 kHz removed from these frequencies will be made for channel bandwidths of 12.5 kHz or less (*i.e.*, in the Public Safety Pool, frequencies subject to § 90.20(d)(27) and in the Industrial/Business Pool, frequencies subject to § 90.35(c)(30)). Authorizations for frequencies 6.25 kHz removed from these frequencies will be granted with channel bandwidths of 6.25 kHz or less (*i.e.*, in the Public Safety Pool, frequencies subject to § 90.20(d)(44), and in the Industrial/Business Pool, frequencies subject to § 90.35(c)(33)).

* * * * *

20. Section 90.175 is amended by removing the last sentence of the introductory text and paragraph (g), redesignating paragraphs (b) through (f) as paragraphs (e) through (i) respectively, redesignating paragraph (a) as paragraph (b), adding new paragraphs (a), (c), and (d), and revising newly redesignated paragraphs (b), (e), (i)(3), and (i)(5), and the first sentence of newly redesignated paragraph (g) to read as follows:

§ 90.175 Frequency coordination requirements.

* * * * *

(a) Frequency coordinators may request, and applicants are required to provide, all appropriate technical information, system requirements, and justification for requested station parameters when such information is necessary to identify and recommend the most appropriate frequency. Additionally, applicants bear the burden of proceeding and the burden of proof in requesting the Commission to overturn a coordinator's recommendation.

(b) *For frequencies between 25 and 470 MHz:* A statement is required from the applicable frequency coordinator as specified in §§ 90.20(c)(2) and 90.35(b)(2) recommending the most appropriate frequency. The coordinator's recommendation may include comments on technical factors such as power, antenna height and gain, terrain, and other factors which may serve to minimize potential interference.

(c) *For frequencies above 800 MHz:* When frequencies are shared by more than one service, concurrence must be obtained from the other applicable certified coordinators.

(d) *For Frequencies in the 450–470 MHz band:* When used for secondary fixed operations, frequencies shall be assigned and coordinated pursuant to § 90.261.

(e) *For frequencies between 470 and 512 MHz, 806–824/851–869 MHz, and 896–901/935–940 MHz:* A statement is required from the applicable coordinator recommending specific frequencies that are available for assignment in accordance with the loading standards and mileage separations applicable to the specific radio serve, frequency pool, or category of user involved.

* * * * *

(g) Any recommendation submitted in accordance with paragraphs (a), (c), (d), or (e) of this section is advisory in character and is not an assurance that the Commission will grant a license for operation on that frequency. * * *

* * * * *

(i) * * *

(3) Applications for frequencies in the 72–76 MHz band except for mobile frequencies subject to § 90.35(c)(77).

* * * * *

(5) Applications in the Industrial/Business Pool requesting a frequency designated for itinerant operation only.

* * * * *

21. Section 90.176 is revised to read as follows:

§ 90.176 Coordinator notification requirements on frequencies below 512 MHz.

(a) *Frequencies below 470 MHz.* Within one business day of making a frequency recommendation, each frequency coordinator must notify and provide the information indicated in paragraph (e) of this section to all other frequency coordinators who are also certified to coordinate that frequency.

(1) The applicable frequency coordinator for each frequency is specified in the coordinator column of the frequency tables of §§ 90.20(c)(3) and 90.35(b)(3).

(2) For frequencies that do not specify any frequency coordinator, all certified in-pool coordinators must be notified.

(3) For frequencies that are shared between the Public Safety Pool and the Industrial/Business Pool (frequencies subject to §§ 90.20(d)(7), (d)(25), (d)(34), or (d)(46) in the Public Safety Pool, and subject to §§ 90.35(c)(13), (c)(25), or (d)(4) in the Industrial/Business Pool), all certified coordinators of both pools must be notified.

(b) *Frequencies in the 470–512 MHz band.* Within one business day of making a frequency recommendation, each frequency coordinator must notify and provide the information indicated in paragraph (e) of this section to all other certified frequency coordinators in the Public Safety Pool and the Industrial/Business Pool.

(c) Each frequency coordinator must also notify all other certified in-pool coordinators on any day that the frequency coordinator does not make any frequency recommendations.

(d) Notification must be made to all coordinators at approximately the same time and can be made using any method that ensures compliance with the one business day requirement.

(e) At a minimum the following information must be included in each notification:

(1) Name of applicant;

(2) Frequency or frequencies recommended;

(3) Antenna locations and heights;

(4) Effective radiated power (ERP);

(5) Type(s) of emissions;

(6) Description of the service area; and

(7) Date and time of recommendation.

(f) Upon request, each coordinator must provide any additional information requested from another certified coordinator regarding a pending recommendation that it has processed but has not yet been granted by the Commission.

(g) It is the responsibility of each coordinator to insure that its frequency recommendations do not conflict with the frequency recommendations of any other frequency coordinator. Should a conflict arise, the affected coordinators are jointly responsible for taking action to resolve the conflict, up to and including notifying the Commission that an application may have to be returned.

22. Section 90.187 is added to read as follows:

§ 90.187 Trunking in the bands between 150 and 512 MHz.

(a) Applicants for trunked systems operating on frequencies between 150 and 512 MHz (except 220–222 MHz) must indicate on their applications (class of station code, see § 1.952 of this chapter or Instructions for FCC Form 600) that their system will be trunked. Licensees of stations that are not trunked, may trunk their systems only after modifying their license (See § 90.135).

(b) In the bands between 150 and 512 MHz, trunking may be authorized under the following conditions:

(1) Where applicants for or licensees operating in the 470–512 MHz band meet the loading requirements of § 90.313 and have exclusive use of their frequencies in their service area.

(2) Trunking will be permitted on frequencies where an applicant or licensee does not have an exclusive service area, provided that all frequency coordination requirements are complied with and consent is obtained from all licensees pursuant to paragraphs (b)(2)(i), (b)(2)(ii), and (b)(2)(iii) of this section.

(i) Stations that have operating frequencies (base and mobile) that are 15 kHz or less removed from proposed stations that will operate with a 25 kHz channel bandwidth; stations that have operating frequencies (base and mobile) that are 7.5 kHz or less removed from proposed stations that will operate with a 12.5 kHz bandwidth; or stations that have operating frequencies (base and mobile) 3.75 kHz or less removed from proposed stations that will operate with a 6.25 kHz bandwidth; and

(ii) Stations with service areas (37 dBu contour for stations in the 150–174 MHz band and 39 dBu contour for stations in the 421–512 MHz bands; See § 90.205) that overlap a circle with radius 113 km (70 mi.) from the proposed base station. Alternatively, applicants may submit an engineering analysis based upon generally accepted engineering practices and standards which demonstrates that the service area of the trunked system does not overlap any existing stations whose service areas overlap a circle with radius 113 km (70 mi.) from the proposed base station.

(iii) The consensual agreements among licensees must specifically state the terms agreed upon and a statement must be submitted to the Commission indicating that all licensees have consented to the use of trunking. If a licensee has agreed to the use of trunking, but later decides against the use of trunking, the licensee may request that the licensee(s) of the trunked system reconsider the use of trunking. If the licensee is unable to reach an agreement with the licensee(s) of the trunked system, the licensee may request that the Commission consider the matter and assign it another channel. New licensees will only be assigned the same channel as a trunked system, if the new licensee reaches an agreement with the licensee(s) of the trunked system.

(c) Trunking of systems licensed on paging-only channels or licensed in the Radiolocation Service (subpart F) is not permitted.

23. Section 90.203 is amended by removing and reserving paragraphs (b)(6) and (j)(1) and revising paragraph (j)(9) and the second sentence of paragraphs (j)(3) and (j)(5) to read as follows:

§ 90.203 Type acceptance required.

* * * * *

(j) * * *

(3) * * * Additionally, if the equipment is capable of transmitting data, has transmitter output power greater than 500 mW, and has a channel bandwidth of more than 6.25 kHz, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth.

* * * * *

(5) * * * Additionally, if the equipment is capable of transmitting data, has transmitter output power greater than 500 mW, and has a channel bandwidth of more than 6.25 kHz, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth.

* * * * *

(9) Transmitters used for stolen vehicle recovery on 173.075 MHz must

comply with the requirements of § 90.20(e)(6).

* * * * *

24. Section 90.207 is amended by revising paragraphs (b) and (d) and the first sentence of paragraph (l) to read as follows:

§ 90.207 Types of emissions.

* * * * *

(b) Authorizations to use A3E, F3E, or G3E emission also include the use of emissions for tone signals or signaling devices whose sole functions are to establish an to maintain communications, to provide automatic station identification, and for operations in the Public Safety Pool, to activate emergency warning devices used solely for the purpose of advising the general public or emergency personnel of an impending emergency situation.

* * * * *

(d) Except for Traveler's Information stations in the Public Safety Pool authorized in accordance with § 90.242, only J3E emission will be authorized for telephony systems on frequencies below 25 MHz.

* * * * *

(l) For stations in the Public Safety and Industrial/Business Pools utilizing digital voice modulation, in either the scrambled or unscrambled mode, F1E or G1E emission will be authorized. * * *

* * * * *

25. Section 90.213 is amended by revising footnote 1 to the table in paragraph (a) to read as follows:

§ 90.213 Frequency stability.

* * * * *

[1] Fixed and base stations with over 200 watts transmitter power must have a frequency stability of 50 ppm except for equipment used in the Public Safety Pool where the frequency stability is 100 ppm.

* * * * *

26. Section 90.217 is amended by revising the introductory text to read as follows:

§ 90.217 Exemption from technical standards.

Except as noted herein, transmitters used at stations licensed below 800 MHz on any frequency listed in subparts B and C of this part or licensed on a business category channel above 800 MHz which have an output power not exceeding 120 milliwatts are exempt from the technical requirements set out in this subpart, but must instead comply with the following:

* * * * *

27. Section 90.235 is amended by revising the last sentence of the introductory text, the last sentence of paragraph (d), and paragraph (e) to read as follows:

§ 90.235 Secondary fixed signaling operations.

* * * Voice signaling will be permitted only in the Public Safety Pool.

* * * * *

(d) * * * In the Public Safety Pool, the maximum duration of any voice signaling transmission shall not exceed 6 seconds and shall not be repeated more than 3 times.

(e) Until December 31, 1999, for systems in the Public Safety Pool authorized prior to June 20, 1975, and Power and Petroleum licensees as defined in § 90.7 authorized prior to June 1, 1976, the maximum duration of any signaling transmission shall not exceed 6 seconds and shall not be repeated more than 5 times. For Power licensees authorized between June 1, 1976, and August 14, 1989, signaling duration shall not exceed 2 seconds and shall not be repeated more than 5 times. Such systems include existing facilities and additional facilities which may be authorized as a clear and direct expansion of existing facilities. After December 31, 1999, all signaling systems shall be required to comply with the two second message duration and three message repetition requirements.

* * * * *

28. Section 90.237 is amended by revising the introductory text to read as follows:

§ 90.237 Interim provisions for operations of radioteleprinter and radiofacsimile devices.

These provisions authorize and govern the use of radioteleprinter and radiofacsimile devices for base station use (other than on mobile-only or paging-only frequencies) in all radio pools and services except Radiolocation in this part.

* * * * *

29. Section 90.238 is amended by revising paragraphs (a), (b), (c), (d), (e), (h) and (i) to read as follows:

§ 90.238 Telemetry operations.

* * * * *

(a) 72–76 MHz (in accordance with § 90.257 and subject to the rules governing the use of that band).

(b) 154.45625, 154.46375, 154.47125, and 154.47875 MHz (subject to the rules governing the use of those frequencies).

(c) 173.20375, 173.210, 173.2375, 173.2625, 173.2875, 173.3125, 173.3375, 173.3625, 173.390, and 173.39625 MHz (subject to the rules governing the use of those frequencies).

(d) 216–220 and 1427–1435 MHz (as available in the Public Safety and Industrial/Business Pools and in accordance with § 90.259).

(e) In the 450–470 MHz band, telemetry operations will be authorized on a secondary basis with a transmitter output power not to exceed 2 watts on frequencies subject to § 90.20(d)(27) or § 90.35(c)(30).

* * * * *

(h) 458–468 MHz band (as available in the Public Safety Pool for bio-medical telemetry operations).

(i) Frequencies available for low power (2 watts or less) operations in the Industrial/Business Pool.

30. Section 90.241 is amended by revising the introductory text of paragraphs (a) and (c) and revising paragraphs (d) and (e) to read as follows:

§ 90.241 Radio call box operations.

(a) The frequencies in the 72–76 MHz band listed in § 90.257(a)(1) may be assigned in the Public Safety Pool for operation or radio call boxes to be used by the public to request fire, police, ambulance, road service, and other emergency assistance, subject to the following conditions and limitations:

* * * * *

(c) Frequencies in the 450–470 MHz band which are designated as available for assignment to central control stations and radio call box installations in § 90.20(c) or § 90.20(d)(58) may be assigned in the Public Safety Pool for highway call box systems subject to the following requirements:

* * * * *

(d) In addition to the frequencies available pursuant to § 90.20(c) the frequencies set forth in § 90.20(d)(58) may be used for central control station and call box installations in areas where such frequencies are available for fixed system use subject to the requirements and limitations of that section and subject to the provisions of paragraphs (c) (1), (4), (5), (6), (7), (8), (9), (10), and (12) of this section.

(e) In accordance with subpart Q of this part, the frequencies available pursuant to § 90.20(c) or § 90.20(d)(58) for central control station and call box installations may be assigned for developmental operation as part of a highway safety communication program which is designed to provide radio communications directly with motorists to and from their motor vehicles.

31. Section 90.242 is amended by revising the introductory text of paragraph (a) and paragraph (a)(1) to read as follows:

§ 90.242 Travelers' information stations.

(a) The frequencies 530 through 1700 kHz in 10 kHz increments may be assigned to the Public Safety Pool for the operation of Travelers' Information Stations subject to the following conditions and limitations.

(1) For Travelers' Information Station applications only, eligibility requirements as set forth in § 90.20(a) are extended to include park districts and authorities.

* * * * *

32. Section 90.243 is amended by revising paragraphs (a), (b)(1), (b)(3), (c)(3), (c)(4), and (c)(5) and removing and reserving paragraph (b)(2) to read as follows:

§ 90.243 Mobile relay stations.

(a) Mobile relay operations will be authorized on frequencies below 512 MHz, except in the Radiolocation Service.

(b) * * *

(1) In the Public Safety Pool, medical services systems in the 150–160 MHz band are permitted to be cross-banded for mobile and central stations operations with mobile relay stations authorized to operate in the 450–470 MHz band.

(2) [Reserved]

(3) In the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), mobile relay operation shall be on a secondary basis to other co-channel operations.

* * * * *

(c) * * *

(3) Except in the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), each new mobile-relay station authorized after January 1, 1972, shall be equipped for automatic deactivation of the transmitter within 5 seconds after the signals controlling the station cease.

(4) Except in the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), each new mobile-relay station authorized after January 1, 1972, during periods that is not controlled from a manned fixed control point; shall have an automatic time delay or clock device that will deactivate the station not more than 3 minutes after its activation by a mobile unit.

(5) In the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), each mobile relay station, regardless of the frequency or frequencies of the signal by which it is activated shall be so designated and installed that it will be deactivated automatically when its associated receiver or receivers are not receiving a signal on the frequency or frequencies which normally activate it.

* * * * *

33. Section 90.247 is amended by revising paragraphs (a), (b), (d), and (e) to read as follows:

§ 90.247 Mobile repeater stations.

* * * * *

(a) Mobile repeaters and/or associated hand-carried transmitters may be assigned separate base/mobile frequencies for this use in addition to the number of frequencies normally assignable to the licensee.

(b) In the Industrial/Business Pool, on frequencies below 450 MHz, only low power frequencies (2 watts or less output power) may be assigned for use by mobile repeaters or by hand-carried transmitters whose communications are directed to mobile repeaters, when separate frequencies are assigned for that purpose.

* * * * *

(d) In the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), use of mobile repeaters is on a secondary basis to the stations of any other licensee. Hand carried units used in connection with mobile repeaters on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3) may operate only above 150 MHz and are limited to a maximum output power of six watts. The frequency and maximum power shall be specified in the station authorization.

(e) In the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), the output power of a mobile repeater station, when transmitting as a repeater station on the frequency used for communication with its associated pack-carried or hand-carried units, shall not exceed 6 watts except when the same frequency is also used by the same station for direct communication with vehicular mobile units or with one or more base stations.

* * * * *

34. Section 90.249 is amended by revising the second sentence of paragraph (a)(2), the first sentence of paragraph (a)(3), and the last sentence of paragraph (c) to read as follows:

§ 90.249 Control stations.

* * * * *

(a) * * *

(2) * * * In the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), such a control station may be assigned any mobile service station frequency available for assignment to mobile stations. * * *

(3) Control and fixed stations in the Public Safety Pool may be authorized on a temporary basis to operate on frequencies available for base and mobile stations between 152 and 450 MHz, where there is an adequate showing that such operations cannot be conducted on frequencies allocated for assignment to operational fixed stations. * * *

* * * * *

(c) * * * In the Industrial/Business Pool, on frequencies designated with an ''LR'' in the coordinator column of the frequency table in § 90.35(b)(3), base stations used intermittently as control stations shall operate only on a mobile service frequency which is available for assignment to base stations.

35. Section 90.257 is amended by revising the introductory text of paragraph (b) to read as follows:

§ 90.257 Assignment and use of frequencies in the band 72–76 MHz.

* * * * *

(b) The following criteria governs the authorization and use of frequencies in the 72–76 MHz band by mobile stations in the Industrial/Business Pool.

* * * * *

36. Section 90.259 is amended by revising the first sentence to read as follows:

§ 90.259 Assignment and use of frequencies in the bands 216–220 MHz and 1427–1435 MHz.

Frequencies in the bands 216–220 MHz and 1427–1435 MHz may be assigned to applicants under this part provided the band is listed in the individual radio pool under which they establish eligibility. * * *

37. Section 90.261 is amended by revising paragraph (a) and removing and reserving paragraphs (d) and (e) to read as follows:

§ 90.261 Assignment and use of the frequencies in the band 450–470 MHz for fixed operations.

(a) Frequencies in the 450–470 MHz band as listed in § 90.20(c)(3) and § 90.35(b)(3) may be assigned to all eligibles for fixed use on a secondary basis to land mobile operations.

* * * * *

(d) [Reserved]

(e) [Reserved]

* * * * *

38. Section 90.263 is amended by revising the first sentence to read as follows:

§ 90.263 Substitution of frequencies below 25 MHz.

Frequencies below 25 MHz when shown in the radio pool frequency listings under this part will be assigned to base or mobile stations only upon a satisfactory showing that, from a safety of life standpoint, frequencies above 25 MHz will not meet the operational requirements of the applicant. * * *

39. Section 90.264 is amended by revising paragraph (g) to read as follows:

§ 90.264 Disaster communications between 2 and 10 MHz.

* * * * *

(g) Applicants must fulfill eligibility requirements set out in § 90.20(d)(6) and shall submit disaster communications plans pursuant to § 90.129(m).

* * * * *

40. Section 90.265 is amended by revising the introductory text of paragraph (a) to read as follows:

§ 90.265 Assignment and use of frequencies in the bands 169–172 MHz and 406–413 MHz.

(a) The following frequencies are available for assignment to fixed stations in the Industrial/Business Pool subject to the provisions of this section:

* * * * *

41. Section 90.266 is amended by revising the section heading, the introductory text of paragraph (b), and paragraph (g) to read as follows:

§ 90.266 Long distance communications on frequencies below 25 MHz.

* * * * *

(b) Only in the following circumstances will authority be extended to stations to operate on the frequencies below 25 MHz:

* * * * *

(g) Applicants must fulfill eligibility requirements set out in § 90.35(c)(1) and submit communications plans pursuant to § 90.129(o).

* * * * *

42. Section 90.267 is amended by revising the introductory text of paragraph (a) and paragraphs (a)(2) and (a)(6) and removing and reserving paragraph (a)(1) to read as follows:

§ 90.267 Assignment and use of frequencies in the 450–470 MHz band for low-power use.

(a) Any regularly assignable frequency in the 450–470 MHz band listed in the tables in subparts B and C of this part may be designated by the frequency coordinators as a low-power channel in a defined geographic area. These channels are subject to the following conditions.

(1) [Reserved]

(2) Assignments are subject to the frequency coordination requirements of § 90.175.

* * * * *

(6) Each coordinator must maintain a list of all channels designated for low-power use and the geographic areas where such channels are available. The coordinator must make this list available to the public upon request.

* * * * *

43. Section 90.269 is amended by revising the introductory text of paragraph (a) to read as follows:

§ 90.269 Use of frequencies for self-powered vehicle detectors.

(a) Frequencies subject to § 90.20(d)(22) may be used for the operation of self-powered vehicle detectors by licensees of base/mobile stations in the Public Safety Pool in accordance with the following conditions:

* * * * *

44. Section 90.273 is amended by revising the first two sentences and Tables 1 and 2 of paragraph (a) and removing and reserving paragraph (b) to read as follows:

§ 90.273 Availability and use of frequencies in the 421–430 MHz band.

* * * * *

(a) The following tables list frequencies available for assignment in the Public Safety and Industrial/Business Pools as indicated. In the tables, the Public Safety Pool frequencies are denoted as ''PS'' and the Industrial/Business Pool frequencies are denoted as ''IB.'' * * *

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY

Frequency (MHz)	Pool in which assigned
Paired channels:	
422.19375*	IB
422.200	IB
422.20625*	IB
422.21250	IB
422.21875*	IB
422.225	IB
422.23125*	IB
422.23750	IB
422.24375*	IB
422.250	IB
422.25625*	IB
422.26250	IB
422.26875*	IB
422.275	IB
422.28125*	IB
422.28750	IB
422.29375*	IB
422.300	IB

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

Frequency (MHz)	Pool in which assigned
422.30625*	IB
422.31250	IB
422.31875*	IB
422.325	IB
422.33125*	IB
422.33750	IB
422.34375*	IB
422.350	IB
422.35625*	IB
422.36250	IB
422.36875*	IB
422.375	IB
422.38125*	IB
422.38750	IB
422.39375*	IB
422.400	IB
422.40625*	IB
422.41250	IB
422.41875*	IB
422.425	IB
422.43125*	IB
422.43750	IB
422.44375*	IB
422.450	IB
422.45625*	IB
422.46250	IB
422.46875*	IB
422.475	IB
422.48125*	IB
422.48750	IB
422.49375*	IB
422.500	IB
422.50625*	IB
422.51250	IB
422.51875*	IB
422.525	IB
422.53125*	IB
422.53750	IB
422.54375*	IB
422.550	IB
422.55625*	IB
422.56250	IB
422.56875*	IB
422.575	IB
422.58125*	IB
422.58750	IB
422.59375*	IB
422.600	IB
422.60625*	IB
422.61250	IB
422.61875*	IB
422.625	IB
422.63125*	IB
422.63750	IB
422.64375*	IB
422.650	IB
422.65625*	IB
422.66250	IB
422.66875*	IB
422.675	IB
422.68125*	IB
422.68750	IB
422.69375*	IB
422.700	IB
422.70625*	IB
422.71250	IB
422.71875*	IB
422.725	IB
422.73125*	IB

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

Frequency (MHz)	Pool in which assigned
422.73750	IB
422.74375*	IB
422.750	IB
422.75625*	IB
422.76250	IB
422.76875*	IB
422.775	IB
422.78125*	IB
422.78750	IB
422.79375*	IB
422.800	IB
422.80625*	IB
422.81250	IB
422.81875*	IB
422.825	IB
422.83125*	IB
422.83750	IB
422.84375*	IB
422.850	IB
422.85625*	IB
422.86250	IB
422.86875*	IB
422.875	IB
422.88125*	IB
422.88750	IB
422.89375*	IB
422.900	IB
422.90625*	IB
422.91250	IB
422.91875*	IB
422.925	IB
422.93125*	IB
422.93750	IB
422.94375*	IB
422.950	IB
422.95625*	IB
422.96250	IB
422.96875*	IB
422.975	IB
422.98125*	IB
422.98750	IB
422.99375*	IB
423.000	PS
423.00625*	PS
423.01250	PS
423.01875*	PS
423.025	PS
423.03125*	PS
423.03750	PS
423.04375*	PS
423.050	PS
423.05625*	PS
423.06250	PS
423.06875*	PS
423.075	PS
423.08125*	PS
423.08750	PS
423.09375*	PS
423.100	PS
423.10625*	PS
423.11250	PS
423.11875*	PS
423.125	PS
423.13125*	PS
423.13750	PS
423.14375*	PS
423.150	PS
423.15625*	PS
423.16250	PS

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

Frequency (MHz)	Pool in which assigned
423.16875*	PS
423.175	PS
423.18125*	PS
423.18750	PS
423.19375*	PS
423.200	PS
423.20625*	PS
423.21250	PS
423.21875*	PS
423.225	PS
423.23125*	PS
423.23750	PS
423.24375*	PS
423.250	PS
423.25625*	PS
423.26250	PS
423.26875*	PS
423.275	PS
423.28125*	PS
423.28750	PS
423.29375*	PS
423.300	PS
423.30625*	PS
423.31250	PS
423.31875*	PS
423.325	PS
423.33125*	PS
423.33750	PS
423.34375*	PS
423.350	PS
423.35625*	PS
423.36250	PS
423.36875*	PS
423.375	PS
423.38125*	PS
423.38750	PS
423.39375*	PS
423.400	PS
423.40625*	PS
423.41250	PS
423.41875*	PS
423.425	PS
423.43125*	PS
423.43750	PS
423.44375*	PS
423.450	PS
423.45625*	PS
423.46250	PS
423.46875*	PS
423.475	PS
423.48125*	PS
423.48750	PS
423.49375*	PS
423.500	PS
423.50625*	PS
423.51250	PS
423.51875*	PS
423.525	PS
423.53125*	PS
423.53750	PS
423.54375*	PS
423.550	PS
423.55625*	PS
423.56250	PS
423.56875*	PS
423.575	PS
423.58125*	PS
423.58750	PS
423.59375*	PS

TABLE 1.—CHANNELS AVAILABLE IN DETROIT AND CLEVELAND AREAS ONLY—Continued

Frequency (MHz)	Pool in which assigned
423.600	PS
423.60625*	PS
423.61250	PS
423.61875*	PS
423.625	PS
423.63125*	PS
423.63750	PS
423.64375*	PS
423.650	PS
423.65625*	PS
423.66250	PS
423.66875*	PS
423.675	PS
423.68125*	PS
423.68750	PS
423.69375*	PS
423.700	PS
423.70625*	PS
423.71250	PS
423.71875*	PS
423.725	PS
423.73125*	PS
423.73750	PS
423.74375*	PS
423.750	PS
423.75625*	PS
423.76250	PS
423.76875*	PS
423.775	PS
423.78125*	PS
423.78750	PS
423.79375*	PS
423.800	PS
423.80625*	PS

*This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS

Frequency (MHz)	Pool in which assigned
Paired channels:	
423.81875*	PS
423.825	PS
423.83125*	PS
423.83750	PS
423.84375*	PS
423.850	PS
423.85625*	PS
423.86250	PS
423.86875*	PS
423.875	PS
423.88125*	PS
423.88750	PS
423.89375*	PS
423.900	PS
423.90625*	PS
423.91250	PS
423.91875*	PS
423.925	PS
423.93125*	PS
423.93750	PS
423.94375*	PS
423.950	PS

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
423.95625*	PS
423.96250	PS
423.96875*	PS
423.975	PS
423.98125*	PS
423.98750	PS
423.99375*	PS
424.000	PS
424.00625*	PS
424.01250	PS
424.01875*	PS
424.025	PS
424.03125*	PS
424.03750	PS
424.04375*	PS
424.050	PS
424.05625*	PS
424.06250	PS
424.06875*	PS
424.075	PS
424.08125*	PS
424.08750	PS
424.09375*	PS
424.100	PS
424.10625*	PS
424.11250	PS
424.11875*	PS
424.125	PS
424.13125*	PS
424.13750	PS
424.14375*	PS
424.150	PS
424.15625*	PS
424.16250	PS
424.16875*	PS
424.175	PS
424.18125*	PS
424.18750	PS
424.19375*	PS
424.200	PS
424.20625*	PS
424.21250	PS
424.21875*	PS
424.225	PS
424.23125*	PS
424.23750	PS
424.24375*	PS
424.250	PS
424.25625*	PS
424.26250	PS
424.26875*	PS
424.275	PS
424.28125*	PS
424.28750	PS
424.29375*	PS
424.300	PS
424.30625*	PS
424.31250	PS
424.31875*	PS
424.325	PS
424.33125*	PS
424.33750	PS
424.34375*	PS
424.350	PS
424.35625*	PS
424.36250	PS
424.36875*	PS
424.375	PS
424.38125*	PS

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
424.38750	PS
424.39375*	PS
424.400	IB
424.40625*	IB
424.41250	IB
424.41875*	IB
424.425	IB
424.43125*	IB
424.43750	IB
424.44375*	IB
424.450	IB
424.45625*	IB
424.46250	IB
424.46875*	IB
424.475	IB
424.48125*	IB
424.48750	IB
424.49375*	IB
424.500	IB
424.50625*	IB
424.51250	IB
424.51875*	IB
424.525	IB
424.53125*	IB
424.53750	IB
424.54375*	IB
424.550	IB
424.55625*	IB
424.56250	IB
424.56875*	IB
424.575	IB
424.58125*	IB
424.58750	IB
424.59375*	IB
424.600	IB
424.60625*	IB
424.61250	IB
424.61875*	IB
424.625	IB
424.63125*	IB
424.63750	IB
424.64375*	IB
424.650	IB
424.65625*	IB
424.66250	IB
424.66875*	IB
424.675	IB
424.68125*	IB
424.68750	IB
424.69375*	IB
424.700	IB
424.70625*	IB
424.71250	IB
424.71875*	IB
424.725	IB
424.73125*	IB
424.73750	IB
424.74375*	IB
424.750	IB
424.75625*	IB
424.76250	IB
424.76875*	IB
424.775	IB
424.78125*	IB
424.78750	IB
424.79375*	IB
424.800	IB
424.80625*	IB
424.81250	IB

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
424.81875*	IB
424.825	IB
424.83125*	IB
424.83750	IB
424.84375*	IB
424.850	IB
424.85625*	IB
424.86250	IB
424.86875*	IB
424.875	IB
424.88125*	IB
424.88750	IB
424.89375*	IB
424.900	IB
424.90625*	IB
424.91250	IB
424.91875*	IB
424.925	IB
424.93125*	IB
424.93750	IB
424.94375*	IB
424.950	IB
424.95625*	IB
424.96250	IB
424.96875*	IB
424.975	IB
424.98125*	IB
424.98750	IB
424.99375*	IB
Single channels:	
425.000	IB
425.00625*	IB
425.01250	IB
425.01875*	IB
425.025	IB
425.03125*	IB
425.03750	IB
425.04375*	IB
425.050	IB
425.05625*	IB
425.06250	IB
425.06875*	IB
425.075	IB
425.08125*	IB
425.08750	IB
425.09375*	IB
425.100	IB
425.10625*	IB
425.11250	IB
425.11875*	IB
425.125	IB
425.13125*	IB
425.13750	IB
425.14375*	IB
425.150	IB
425.15625*	IB
425.16250	IB
425.16875*	IB
425.175	IB
425.18125*	IB
425.18750	IB
425.19375*	IB
425.200	IB
425.20625*	IB
425.21250	IB
425.21875*	IB
425.225	IB
425.23125*	IB
425.23750	IB

TABLE 2.—CHANNELS AVAILABLE IN BUFFALO, DETROIT AND CLEVELAND AREAS—Continued

Frequency (MHz)	Pool in which assigned
425.24375*	IB
425.250	PS
425.25625*	PS
425.26250	PS
425.26875*	PS
425.275	PS
425.28125*	PS
425.28750	PS
425.29375*	PS
425.300	PS
425.30625*	PS
425.31250	PS
425.31875*	PS
425.325	PS
425.33125*	PS
425.33750	PS
425.34375*	PS
425.350	PS
425.35625*	PS
425.36250	PS
425.36875*	PS
425.375	PS
425.38125*	PS
425.38750	PS
425.39375*	PS
425.400	PS
425.40625*	PS
425.41250	PS
425.41875*	PS
425.425	PS
425.43125*	PS
425.43750	PS
425.44375*	PS
425.450	PS
425.45625*	PS
425.46250	PS
425.46875*	PS
425.475	PS
425.48125*	PS

*This frequency will be assigned with an authorized bandwidth not to exceed 6 kHz.

(b) [Reserved]

* * * * *

45. Section 90.275 is revised to read as follows:

§ 90.275 Selection and assignment of frequencies in the 421–430 MHz band.

Applicants must specify the frequencies in which the proposed system will operate pursuant to a recommendation by a frequency coordinator certified for the pool in which the requested frequency is assigned.

§ 90.277 [Removed]

46. Section 90.277 is removed.

47. Section 90.283 is amended by revising paragraph (a) to read as follows:

§ 90.283 Inter-service sharing of maritime frequencies in the 156–162 MHz band.

(a) The following frequency pairs may be assigned to any eligible applicant that meets the definition of a Power, Petroleum, Forest products, Film and video production, Relay press, Special industrial, Manufacturers, Telephone maintenance, Motor carrier, Railroad, Taxicab, or Automobile emergency licensee, as defined in § 90.7, for licensing in the Industrial/Business Pool for duplex operation within the 48 contiguous states in accordance with the rules of § 90.35, the conditions set forth in this section, and the CANADA/U.S.A. channeling agreement for VHF maritime public correspondence found in § 80.57 of this chapter.

* * * * *

48. Section 90.301 is amended by revising the last sentence to read as follows:

§ 90.301 Scope.

* * * Under this special sharing plan, different frequencies are allocated depending on the geographic urban area involved as fully detailed in the following rule sections.

49. Section 90.303 is amended by revising the last sentence of paragraph (a) to read as follows:

§ 90.303 Availability of frequencies.

(a) * * * The specific frequencies available are listed in § 90.311.

* * * * *

50. Section 90.311 is amended by redesignating paragraph (a)(3) as paragraph (a)(4), revising paragraphs (a)(1), (a)(2), and the introductory text and table of paragraph (a), adding a new paragraph (a)(3), and removing and reserving paragraph (b) to read as follows:

§ 90.311 Frequencies.

(a) Except as provided for in § 90.315 and except for those frequencies allocated to services in part 22 of this chapter (see §§ 22.591, 22.621, 22.651, and 22.1007 of this chapter) the following frequencies in the band 470–512 MHz may be assigned as indicated in the table below. The first and last assignable frequencies are shown. Assignable frequencies occur in increments of 6.25 kHz. The separation between base and mobile transmit frequencies is 3 MHz for two frequency operation.

Channel assignment	Urbanized area	General access pool	
		Base and mobile	Mobile
14	Boston, MA Chicago, IL Cleveland, OH Los Angeles, CA Miami, FL New York/N.E. NJ Pittsburgh, PA	470.30625 to 472.99375	473.30625 to 475.99375.
15	Chicago, IL Cleveland, OH Detroit, MI New York/N.E. NJ	476.30625 to 478.99375	479.30625 to 481.99375.
16	Boston, MA Dallas/Fort Worth, TX Detroit, MI San Francisco/Oakland, CA	482.30625 to 484.99375	485.30625 to 487.99375.
17	Houston, TX San Francisco/Oakland, CA Washington, DC/MD/VA	488.30625 to 490.99375	491.30625 to 493.99375.
18	Pittsburgh, PA Washington, DC/MD/VA	494.30625 to 496.99375	497.30625 to 499.99375.
19	Philadelphia, PA	500.30625 to 502.99375	503.30625 to 505.99375.

Channel assignment	Urbanized area	General access pool	
		Base and mobile	Mobile
20	Los Angeles, CA Philadelphia, PA	506.30625 to 508.99375	509.30625 to 511.99375.

(1) Channel availability in the General Access Pool in any of the urbanized areas referred to in the table depends on whether that channel is presently assigned to one of the following categories of users:

(i) Public safety (as defined in § 90.20(a));

(ii) Power and telephone maintenance licensees (as defined in § 90.7);

(iii) Special industrial licensees (as defined in § 90.7);

(iv) Business licensees (as defined in § 90.35(a));

(v) Petroleum, forest products, and manufacturers licensees (as defined in § 90.7);

(vi) Railroad, motor carrier, and automobile emergency licensees (as defined in § 90.7); and

(vii) Taxicab licensees (as defined in § 90.7).

(2) If assigned, subsequent authorizations will only be granted to users from the same category. If unassigned, or should a channel subsequently become unassigned, it will be treated as available in the General Access Pool.

(3) Normally, each channel should be substantially loaded in accordance with the standards set out in § 90.313.

* * * * *

(b) [Reserved]

51. Section 90.313 is amended by revising paragraph (a) to read as follows:

§ 90.313 Frequency loading criteria.

(a) Except as provided for in paragraph (b) of this section, the maximum channel loading on frequencies in the 470–512 MHz band is as follows:

(1) 50 units for systems eligible in the Public Safety Pool (see § 90.20(a)).

(2) 90 units for systems eligible in the Industrial/Business Pool (see § 90.35(a)).

* * * * *

52. Section 90.415 is amended by revising paragraph (b) to read as follows:

§ 90.415 Prohibited uses.

* * * * *

(b) Render a communications common carrier service, except for stations in the Public Safety Pool providing communications standby facilities under § 90.20(a)(2)(xi) and stations licensed under this part in the SMR, private carrier paging, Industrial/Business Pool, or 220–222 MHz services.

53. Section 90.417 is amended by revising the last sentence of paragraph (b) to read as follows:

§ 90.417 Interstation communication.

* * * * *

(b) * * * Communications by Public Safety Pool eligibles with foreign stations will be approved only to be conducted in accordance with Article 5 of the Inter-American Radio Agreement, Washington, DC, 1949, the provisions of which are set forth in § 90.20(b).

54. Section 90.419 is amended by revising paragraph (a) and the introductory text of paragraphs (b) and (d) to read as follows:

§ 90.419 Points of communication.

* * * * *

(a) Base stations licensed under subpart T of this part and those in the Public Safety Pool that operate on frequencies below 450 MHz, may communicate on a secondary basis with other base stations, operational fixed stations, or fixed receivers authorized in these services or pools.

(b) Base stations licensed on any frequency in the Industrial/Business Pool and on base stations frequencies above 450 MHz in the Public Safety Pool may communicate on a secondary basis with other base stations, operational fixed stations, or fixed receivers authorized in these pools only when:

* * * * *

(d) Operational fixed stations licensed in the Industrial/Business Pool may communicate on a secondary basis with associated base stations licensed in these services when:

* * * * *

55. Section 90.421 is amended by revising paragraphs (a) and (b), removing paragraphs (c), (d), (e), (f), (g), (h), (i), (j), and (k), and redesignating paragraph (l) as paragraph (c) to read as follows:

§ 90.421 Operation of mobile units in vehicles not under the control of the licensee.

* * * * *

(a) Public Safety Pool.

(1) Mobile units licensed in the Public Safety Pool may be installed in any vehicle which in an emergency would require cooperation and coordination with the licensee, and in any vehicle used in the performance, under contract, of official activities of the licensee. This provision does not permit the installation of radio units in non-emergency vehicles that are not performing governmental functions under contract but with which the licensee might wish to communicate.

(2) Additionally, units may be installed in the following:

(i) Vehicles of contractors or other persons having a direct responsibility for official highway activities;

(ii) Vehicles of forestry cooperators, and persons having a direct responsibility in the prevention, detection, and suppression of forest fires; and

(iii) Mobile units licensed under § 90.20(a)(2)(iii) may be installed in a vehicle or be hand-carried for use by any person with whom cooperation or coordinations is required for medical services activities.

(b) Industrial/Business Pool. Mobile units licensed in the Industrial/Business Pool may be installed in the following:

(1) Vehicles of persons furnishing under contract to the licensee and for the duration of the contract, a facility or service directly related to the activities of the licensee;

(2) Vehicles operated by an organization or association comprised of interconnected electric utilities forming interconnections, power pools, or groups;

(3) Vehicles of persons furnishing a private emergency road service to its members pursuant to a contract with the association; and

(4) Vehicles operated by organizations providing, under contract, facilities or service in connection with railroad operation or maintenance including pickup, delivery, or transfer between stations of property shipped, continued in, or destined for shipment by railroad common carrier. Parties to the contract must comply with the provisions of § 90.179.

* * * * *

56. Section 90.425 is amended by revising the second sentence of the introductory text of paragraph (a), the first sentence of paragraphs (a)(1), (a)(4)(ii), and (a)(4)(iii), and paragraphs (a)(4)(i), (d)(2), and (d)(6) to read as follows:

§ 90.425 Station identification.

* * * * *

(a) * * * Except as provided for in paragraph (d) of this section, each station or system shall be identified by the transmission of the assigned call sign during each transmission or exchange of transmissions, or once each 15 minutes (30 minutes in the Public Safety Pool) during periods of continuous operation. * * *

(1) A mobile relay stations call sign may be used to identify the associated control and mobile stations, except in the Public Safety Pool where the stations operate on frequencies below 450 MHz. * * *

* * * * *

(4) * * *

(i) In the Public Safety Pool, mobile units licensed to a governmental entity and which operate on frequencies above 30 MHz may use an identifier which contains, at a minimum, the name of the licensee if the licensee maintains at the station a list of the special identifiers to be used by the mobile units.

(ii) In the Industrial/Business Pool, licensees may request the Commission's local Engineer-in-Charge to approve the use of special mobile unit identifiers in lieu of the assigned call sign. * * *

(iii) In the Industrial/Business Pool, railroad licensees (as defined in § 90.7) may identify stations by the name of the railroad and the train number, caboose number, engine number, or the name of the fixed wayside station. * * *

* * * * *

(d) * * *

(2) It is a mobile station in the Public Safety Pool using F1E or G1E emission.

* * * * *

(6) It is a paging station authorized in accordance with the provisions of § 90.20(a)(2)(v).

* * * * *

§ 90.460 [Amended]

57. Section 90.460 is amended by removing the last two sentences.

58. Section 90.476 is amended by revising paragraphs (a) and (b) to read as follows:

§ 90.476 Interconnection of fixed stations and certain mobile stations.

(a) Fixed stations and mobile stations used to provide the functions of fixed stations pursuant to the provisions of §§ 90.35(c)(11), 90.35(c)(42), and 90.267 are not subject to the interconnection provisions of §§ 90.477 and 90.483 and may be interconnected with the facilities of common carriers.

(b) Mobile stations used to provide the functions of base and mobile relay stations pursuant to the provisions of §§ 90.35(c)(11), 90.35(c)(42), and 90.267 are not subject to the provisions of § 90.477(d)(3) and may be interconnected with the facilities of common carriers subject to the provisions of §§ 90.477(d)(1), 90.477(d)(2), 90.477(e), and 90.483.

* * * * *

59. Section 90.477 is amended by revising the first two sentences of paragraph (d)(3) to read as follows:

§ 90.477 Interconnected systems.

(d) * * *

(3) For licensees in the Industrial/Business Pool and those licensees who establish eligibility pursuant to § 90.20(a)(2), except for §§ 90.20(a)(2)(i) and 90.20(a)(2)(ii) and medical emergency systems in the 450–470 MHz band, interconnection will be permitted only where the base station site or sites proposed stations are located 120 km (75 mi.) or more from the designated centers of the urbanized areas listed below. If these licensees seek to connect within 120 km (75 mi.) of the 25 cities, they must obtain the consent of all co-channel licensees located both within 120 km (75 mi.) of the center of the city; and within 120 km (75 mi.) of the interconnected base station transmitter. * * *

* * * * *

60. Section 90.483 is amended by revising the second sentence of paragraph (d) to read as follows:

§ 90.483 Permissible methods and requirements of interconnecting private and public systems of communications.

* * * * *

(d) * * * This provision does not apply to systems which establish eligibility pursuant to §§ 90.20(a)(1)(i), 90.20(a)(1)(ii), and 90.20(a)(2), except §§ 90.20(a)(2)(i) and 90.20(a)(2)(ii), or who are Power, Petroleum, or Railroad licensees (as defined in § 90.7), or to systems above 800 MHz. * * *

61. Section 90.494 is amended by revising paragraphs (c) and (g) to read as follows:

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

* * * * *

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

* * * * *

(g) Licenses may be granted on these shared paging channels only for expansion (addition of new sites or relocation of existing sites) or other modification, assignment or transfer of control of existing, licensed private or commercial paging systems, and for new private, internal-use paging systems. Any application for authority to operate a new commercial paging system on any of these shared channels is unacceptable for filing.

62. Section 90.603 is amended by revising paragraphs (b) and (c) to read as follows:

§ 90.603 Eligibility.

* * * * *

(b) Any person proposing to provide communications service to any person eligible for licensing under subparts B or C of this part on a not-for-profit, cost-shared basis.

(c) Any person eligible under this part and proposing to provide on a commercial basis base station an ancillary facilities as a Specialized Mobile Radio Service System operator, for the use of individuals, federal government agencies and persons eligible for licensing under subparts B or C of this part.

63. Section 90.617 is amended by revising the first sentence of the introductory text of paragraph (a), the second sentence of paragraphs (a)(1) and (c), and the first sentence of paragraph (b) to read as follows:

§ 90.617 Frequencies in the 809.750–824/854.750–869 MHz, and 896–901/935–940 MHz bands available for trunked or conventional system use in non-border areas.

(a) The channels listed in Table 1 and paragraph (a)(1) of this section are available to eligible applicants in the Public Safety Category which consists of licensees eligible in the Public Safety Pool of subpart B of this part. * * *

(1) * * * The assignment of these channels will be done in accordance with the policies defined in the *Report and Order* of Gen. Docket No. 87–112 (See § 90.16). * * *

(b) The channels listed in Table 2A are available to eligible applicants in the Industrial/Land Transportation Category (consisting of Power, Petroleum, Forest Products, Film and Video Production, Relay Press, Special Industrial, Manufacturers, Telephone Maintenance, Motor Carrier, Railroad, Taxicab, and Automobile Emergency licensees, as defined in § 90.7). * * *

(c) * * * This category includes those entities eligible in the Industrial/Business Pool of subpart C of this part and does not include Special Mobilized

Radio Systems as defined in § 90.603(c). * * *

* * * * *

64. Section 90.619 is amended by revising paragraph (b)(7)(iii), the first sentence paragraphs (a)(1) and (a)(3), and the second sentence of paragraphs (a)(2) and (a)(4) to read as follows:

§ 90.619 Frequencies available for use in the U.S./Mexico and U.S./Canada border areas.

(a) * * *

(1) Table 1A lists the channels in the 806–821/851–866 MHz band that are available for assignment to eligible applicants in the Public Safety Category which consists of licensees eligible in the Public Safety Pool of subpart B of this part. * * *

(2) * * * These channels will be assigned according to the policies defined in the *Report and Order* of Gen. Docket No. 87–112 (See § 90.16). * * *

(3) Tables 2A and 2B list the channels that are available for assignment to eligible applicants in the Industrial/Land Transportation Category (consisting of Power, Petroleum, Forest Products, Film and Video Production, Relay Press, Special Industrial, Manufacturers, Telephone Maintenance, Motor Carrier, Railroad, Taxicab, and Automobile Emergency licensees, as defined in § 90.7). * * *

(4) * * * This category includes those entities eligible in the Industrial/Business Pool of subpart C of this part and does not include Special Mobilized Radio Systems as defined in § 90.603(c). * * *

* * * * *

(b) * * *

(7) * * *

(iii) The Public Safety Category consists of those entities eligible in the Public Safety Pool of subpart B of this part. The Industrial/Land Transportation Category consists of Power, Petroleum, Forest Products, Film and Video Production, Relay Press, Special Industrial, Manufacturers, Telephone Maintenance, Motor Carrier, Railroad, Taxicab, and Automobile Emergency licensees (as defined in § 90.7). The Business Radio Category consists of those entities eligible in the Industrial/Business Pool of subpart C of this part. Specialized Mobile Radio Systems (SMRS) will not be authorized in any of the above mentioned categories, but only in the SMRS category to those applicants eligible under § 90.603(c).

* * * * *

65. Section 90.623 is amended by revising paragraph (b) to read as follows:

§ 90.623 Limitation on the number of frequencies assignable for conventional systems.

* * * * *

(b) Where an applicant proposes to operate a conventional radio system to provide facilities for the use of a single person or entity eligible under subparts B or C of this part, the applicant may be assigned only the number of frequency pairs justified on the basis of the requirement of the proposed single user of the system.

* * * * *

66. Section 90.625 is amended by revising paragraph (b) to read as follows:

§ 90.625 Other criteria to be applied in assigning channels for use in conventional systems of communication.

* * * * *

(b) Where an applicant proposes to furnish service to eligibles under subparts B or C of this part on a commercial basis using a conventional system of communication, the applicant will be considered on the same basis as that of an applicant for private or shared communication facilities.

* * * * *

67. Section 90.631 is amended by revising the first sentence of paragraphs (g) and (h) to read as follows:

§ 90.631 Trunked systems loading, construction and authorization requirements.

* * * * *

(g) Wide area systems may be authorized to persons eligible for licensing under subparts B or C of this part upon an appropriate showing of need. * * *

(h) Regional, statewide, or ribbon configuration systems may be authorized to persons eligible for licensing under subparts B or C of this part upon an appropriate showing of need. * * *

* * * * *

68. Section 90.633 is amended by revising the first sentence of paragraphs (f) and (g) to read as follows:

§ 90.633 Conventional systems loading requirements.

* * * * *

(f) Wide area systems may be authorized to persons eligible for licensing under subparts B or C of this part upon an appropriate showing of need. * * *

(g) Regional, statewide, or ribbon configuration systems may be authorized to persons eligible for licensing under subparts B or C of this part upon an appropriate showing of need. * * *

69. Section 90.645 is amended by revising paragraph (b) to read as follows:

§ 90.645 Permissible operations.

* * * * *

(b) Only persons who are eligible for facilities, either under this subpart or in the radio service included under subparts B or C of this part.

* * * * *

70. Section 90.656 is amended by revising the first sentence of paragraph (a) to read as follows:

§ 90.656 Responsibilities of base station licensees of Specialized Mobile Radio Systems.

(a) The licensees of base stations that provide Specialized Mobile Radio service on a commercial basis of the use of individuals, Federal government agencies, or persons eligible for licensing under either subparts B or C of this part will be responsible for exercising effective operational control over all mobile and control stations that communicate with the base station. * * *

* * * * *

71. Section 90.703 is amended by revising paragraphs (a), (b), and (c) to read as follows:

§ 90.703 Eligibility.

* * * * *

(a) Any person eligible for licensing under subparts B or C of this part.

(b) Any person proposing to provide communications service to any person eligible for licensing under subparts B or C of this part, on a not-for-profit, cost-shared basis.

(c) Any person eligible under this part proposing to provide on a commercial basis, station and ancillary facilities for the use of individuals, federal government agencies and persons eligible for licensing under subparts B or C of this part.

72. Section 90.705 is revised to read as follows:

§ 90.705 Forms to be used.

Phase II applications for EA, Regional, or Nationwide radio facilities under this subpart must be prepared in accordance with §§ 90.1009 and 90.1013. Phase II applications for radio facilities operating on public safety/mutual aid channels (Channels 161 through 170) or emergency medical channels (Channels 181 through 185) under this subpart must be prepared on FCC Form 600 and submitted or filed in accordance with § 90.127.

73. Section 90.713 is amended by revising paragraph (e) to read as follows:

§ 90.713 Entry criteria.

* * * * *

(e) A Phase II applicant for authorization in a geographic area for

Channels 166 through 170 in the public safety/mutual aid category may not have any interest in another pending application in the same geographic area for Channels 166 through 170 in the public safety/mutual aid category, and a Phase II applicant for authorization in a geographic area for channels in the emergency medical category may not have any interest in another pending application in the same geographic area for channels in the emergency medical category.

74. Section 90.719 is amended by revising paragraph (c) to read as follows:

§ 90.719 Individual channels available for assignment in the 220–222 MHz band.

* * * * *

(c) Channels 181 through 185 are set aside in Phase II for emergency medical use for applicants that meet the eligibility criteria of § 90.20(a)(1)(iii) or § 90.20(a)(2)(xiii).

* * * * *

75. Section 90.720 is revised to read as follows:

§ 90.720 Channels available for public safety/mutual aid.

(a) Part 90 licensees who meet the eligibility criteria of §§ 90.20(a)(1), 90.20(a)(2)(i), 90.20(a)(2)(ii), 90.20(a)(2)(iii), 90.20(a)(2)(iv), 90.20(a)(2)(vii), 90.20(a)(2)(ix), or 90.20(a)(2)(xiii) are authorized by this rule to use mobile and/or portable units on Channels 161–170 throughout the United States, its territories, and possessions to transmit:

(1) Communications relating to the immediate safety of life;

(2) Communications to facilitate interoperability among entities eligible under §§ 90.20(a)(1), 90.20(a)(2)(i), 90.20(a)(2)(ii), 90.20(a)(2)(iii), 90.20(a)(2)(iv), 90.20(a)(2)(vii), 90.20(a)(2)(ix), and 90.20(a)(2)(xiii); or

(3) Communications on behalf of and by members of organizations established for disaster relief purposes having an emergency radio communications plan (*i.e.*, licensees eligible under § 90.20(a)(2)(vii)) for the transmission of communications relating to the safety of life or property, the establishment and maintenance of temporary relief facilities, and the alleviation of emergency conditions during periods of actual or impending emergency, or disaster, until substantially normal conditions are restored; for limited training exercises incidental to an emergency radio communications plan, and for necessary operational communications of the disaster relief organization or its chapter affiliates.

(b) Any Government entity and any non-Government entity eligible to obtain a license under §§ 90.20(a)(1), 90.20(a)(2)(i), 90.20(a)(2)(ii), 90.20(a)(2)(iii), 90.20(a)(2)(iv), 90.20(a)(2)(vii), 90.20(a)(2)(ix), or 90.20(a)(2)(xiii) is also eligible to obtain a license for base/mobile operations on Channels 161 through 170. Base/mobile or base/portable communications on these channels that do not relate to the immediate safety of life or to communications interoperability among the above-specified entities, may only be conducted on a secondary non-interference basis to such communications.

76. Section 90.723 is amended by revising paragraphs (a) and (c) to read as follows:

§ 90.723 Selection and assignment of frequencies.

(a) Phase II applications for frequencies in the 220–222 MHz band shall specify whether their intended use is for 10-channel nationwide systems, 10-channel EA systems, 15-channel Regional systems, public safety/mutual aid use, or emergency medical use. Phase II applicants for frequencies for public safety/mutual aid use or emergency medical use shall specify the number of frequencies requested. All frequencies in this band will be assigned by the Commission.

* * * * *

(c) Phase II applicants for public safety/mutual aid and emergency medical channels will be assigned only the number of channels justified to meet their requirements.

* * * * *

77. Section 90.733 is amended by revising paragraph (a)(2) to read as follows:

§ 90.733 Permissible operations.

(a) * * *

(2) Only by persons who are eligible for facilities under either this subpart or in the pools included in subpart B or C of this part.

* * * * *

PART 101—FIXED MICROWAVE SERVICES

78. The authority citation for part 101 continues to read as follows:

Authority: 47 U.S.C. Secs. 154, 303, unless otherwise noted.

79. Section 101.77 is amended by revising paragraph (a)(1) to read as follows:

§ 101.77 Public safety licensees in the 1850–1990 and 2110–2200 MHz bands.

(a) * * *

(1) The agency is a Police licensee, a Fire Licensee, or an Emergency Medical Licensee as defined in § 90.7 of this chapter, or meets the eligibility requirements of § 90.20(a)(2) of this chapter, except for § 90.20(a)(2)(ii) of this chapter, or that it is a licensee of other part 101 facilities licensed on a primary basis under the eligibility requirements of part 90, subpart B of this chapter; and

* * * * *

80. Section 101.147 is amended by revising the second sentence, footnote 1 of Table 1, and footnote 1 of Table 2 of paragraph (b)(1) and the first sentence of paragraph (b)(2) to read as follows:

§ 101.147 Frequency assignments.

* * * * *

(b) * * *

(1) * * * Except as noted, however, the frequencies may be used by power licensees, as defined in § 90.7 of this chapter, only if the frequencies in paragraph (b)(2) of this section are exhausted in the particular geographic area. * * *

[1] Available to power licensees, as defined in § 90.7 of this chapter, regardless of whether frequencies in the power pool are exhausted.

* * * * *

[1] Available to power licensees, as defined in § 90.7 of this chapter, regardless of whether frequencies in the power pool are exhausted.

(2) Power Pool: Frequencies listed in this paragraph are available to persons defined as a Power licensee in § 90.7 of this chapter for use in multiple address systems. * * *

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81. Section 101.601 is revised to read as follows:

§ 101.601 Eligibility.

Any person, or any governmental entity or agency, eligible for licensing in a radio service or pool under part 80, 87, or 90 of this chapter or any person proposing to provide communications service to such persons, governmental entities or agencies is eligible to hold a license under this subpart.

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