

APPENDIX A

Comments

1. Advocacy Office of, US Small Business Administration
2. AirTouch Communications and Globalstar USA, Inc.
3. All Indian Pueblo Council
4. American Association Of Educational Service Agencies, American Association Of School Administrators, American Library Consortium For School Networking, International Society For Technology In Education, National Education Association, National Rural Education Association, OMB Watch, And Organizations Concerned About Rural Education
5. AMSC Subsidiary Corporation
6. Bell Atlantic Mobile, Inc.
7. Boeing Company (The)
8. CCI International NV
9. Cellular Telecommunications Industry Association
10. Celsat America, Inc.
11. Cheyenne River Sioux Tribe Telephone Authority
12. Chickasaw Nation
13. Convey, LLC
14. Cook Inlet Region, Inc.
15. Dandin Group
16. Dobson Communications Corporation
17. ECI TeleCom
18. Dr. Joseph Gitlin of Johns Hopkins Medical Institutions, Dr. Ray Kilcoyne of the University of Colorado School of Medicine, De. Sero Manson of the University of Colorado School of Medicine
19. Gila River Telecommunications, Inc.
20. Higher Education Parties: Educause American Indian Higher Education Consortium
21. Hughes Communications Galaxy, Inc.
22. Innowave ECI Wireless Systems, Ltd.
23. Miami Tribe of Oklahoma
24. Mohegan Tribe
25. Montana Telecommunications Association
26. Motorola, Iridium North America, and Iridium LLC
27. National Science Foundation Wireless Field Tests for Education Project
28. National Telephone Cooperative Association
29. Nortel Networks
30. Oglala Sioux Tribe
31. Oneida Nation of Wisconsin
32. Onsat Network Communications, Inc.
33. Personal Communications Industry Association
34. Picuris Pueblo
35. Rural Telecommunications Group
36. San Carlos Apache Telecommunications
37. Salt River Pima-Maricopa Indian Community and the National Tribal Telecommunications Alliance
38. Satellite Industry Association
39. SkyBridge, LLC
40. State of Alaska
41. Titan Wireless

42. Tohono O'odham Utility Authority
43. Tribal Nations Link-up, Inc.
44. US Cellular Corporation
45. Western Wireless Corporation

Reply Comments

1. Advocacy Office, U.S. Small Business Administration
2. Celsat America, Inc.
3. Cheyenne River Sioux Tribe Telephone Authority
4. Dandin Group
5. Educause & AIHEC
6. FreeSpace Communications
7. Dr. Joseph Gitlin of Johns Hopkins Medical Institutions, Dr. Ray Kilcoyne of the University of Colorado School of Medicine, Dr. Sero Manson of the University of Colorado School of Medicine
8. Hughes Communications Galaxy, Inc.
9. Montana Public Service Commission
10. Motorola, Inc, Iridium North America, and Iridium LLC
11. National Telecommunications and Information Administration
12. Nez Perce Tribe
13. PanAmSat Corporation
14. Personal Communications Industry Association
15. Roger L. Scheer
16. Seaconke Wampanoag Tribe
17. South Dakota Independent Telephone Coalition, Inc.
18. Turtle Island Communications, Inc.
19. Walker River Paiute Tribe

Ex Parte Submissions

1. Innowave ECI Wireless Systems LTD.
2. Stephen Nacci
3. Linda Riley
4. Rural Telephone Coalition
5. Rural Telecommunications Group
6. San Carlos apache Telecommunications Utility, Inc.
7. Roger L. Scheer
8. Smith Bagley, Inc.
9. Transacomm Inc.
10. Turtle Island Communications, Inc.
11. Western Wireless Corporation

APPENDIX B

Subpart Q of Part 1 of Title 47 of the Code of Federal Regulations is amended as follows:

1. Section 1.2107 is amended by renumbering existing paragraph (e) to become new paragraph (f), and by adding new paragraph (e) as follows:
 - (e) A winning bidder that seeks a bidding credit to serve a qualifying tribal land, as defined in section 1.2110(e)(3)(1) of our rules, within a particular market must indicate on the long-form application (FCC Form 601) that it intends to serve a qualifying tribal land within that market.

2. Section 1.2110(e) is amended by adding new paragraph (3) as follows:
 - (3) *Bidding credit for serving qualifying tribal land:* A winning bidder for a market will be eligible to receive a bidding credit for serving a qualifying tribal land within that market, provided that it complies with section 1.2107(e). The following definition, terms, and conditions shall apply for the purposes of this section and section 1.2107(e):
 - (i) Qualifying tribal land “means any federally recognized Indian tribe’s reservation, Pueblo, or Colony, including former reservations in Oklahoma, Alaska Native regions established pursuant to the Alaska Native Claims Settlement Act (85 Stat. 688), and Indian allotments,” (see 25 C.F.R. § 20.1(v)), that has a wireline telephone subscription rate equal to or less than seventy (70) percent based on the most recently available U.S. Census Data.
 - (ii) *Certification.* Within ninety (90) days after the filing deadline for long-form applications, the winning bidder must amend its long-form application and attach a certification from the tribal government stating the following: (1) the tribal government authorizes the winning bidder to site facilities and provide service on its tribal land, (2) the tribal area to be served by the winning bidder constitutes qualifying tribal land; and (3) the tribal government has not and will not enter into an exclusive contract with the applicant precluding entry by other carriers, and will not unreasonably discriminate among wireless carriers seeking to provide service on the qualifying tribal land. In addition, within ninety (90) days after the filing deadline for long-form applications, the winning bidder must amend its long-form application and file a certification that it will consult with the tribal government regarding the siting of facilities and deployment of service on the tribal land.
 - (iii) *Bidding credit formula.* Subject to the applicable bidding credit limit set forth in section 1.2110(e)(3)(iv), the bidding credit shall equal three hundred thousand (300,000) dollars for the first two-hundred (200) square miles (518 square kilometers) of qualifying tribal land, and fifteen hundred (1500) dollars for each additional square mile (2.590 square kilometer) of qualifying tribal land above two-hundred (200) square miles (518 square kilometers).
 - (iv) *Bidding Credit Limit.* If the high bid is equal to or less than one million (1,000,000) dollars, the maximum bidding credit calculated pursuant to section 1.2110(e)(3)(iii) shall not exceed fifty (50) percent of the high bid. If the high bid is greater than one million

(1,000,000) dollars, but equal to or less than two million (2,000,000) dollars, the maximum bidding credit calculated pursuant to section 1.2110(e)(3)(iii) shall not exceed five hundred thousand (500,000) dollars. If the high bid is greater than two million (2,000,000) dollars, the maximum bidding credit calculated pursuant to section 1.2110(e)(3)(iii) shall not exceed twenty five (25) percent of the high bid.

- (v) *Application of credit.* The bidding credit amount, if approved by the Commission, will be subtracted from the final net bid amount. The bidding credit will not affect calculation of the down payment.
- (vi) *Post-construction certification.* Within fifteen (15) days of the third anniversary of the initial grant of its license, a recipient of a bidding credit under this section shall file a certification that the recipient has constructed and is operating a system capable of serving seventy-five (75) percent of the population of the qualifying tribal land for which the credit was awarded.
- (vii) *Performance penalties.* If a recipient of a bidding credit under this section fails to provide the post-construction certification required by section 1.2110(e)(3)(vi), then it shall repay the bidding credit amount in its entirety, plus interest. The interest will be based on the rate for ten year U.S. Treasury obligations applicable on the date the license is granted. Such payment shall be made within thirty (30) days of the third anniversary of the initial grant of its license.

APPENDIX C
FINAL REGULATORY FLEXIBILITY ANALYSIS

As required by Section 603 of the Regulatory Flexibility Act (RFA),¹ an Initial Regulatory Flexibility Analysis (IRFA) was incorporated in the *Notice of Proposed Rulemaking (Notice)* in WT Docket No. 99-266.² The Commission sought written comment on the policies and rules proposed in the *Notice*, including comment on the IRFA. The comment received is discussed below. This Final Regulatory Flexibility Analysis (FRFA) for the *Report and Order* conforms to the RFA.³

A. Need for, and Objectives of, the Report and Order

The record in this proceeding demonstrates that there is a substantial need for specific incentives targeted to the deployment of service on tribal lands. By virtually any measure, communities on tribal lands have historically had less access to telecommunications services than any other segment of the population. As set forth in Section III.A of the *Report and Order*, 1990 Census data indicates that 23 of the 48 largest tribal reservations (those with 500 or more households) had telephone penetration rates below 60 percent, and 16 of these reservations had a penetration rate below 50 percent. By contrast, the current nationwide telephone penetration rate is 94 percent. We believe telephone service is a necessity in today's world. The lack of basic telecommunications services puts affected tribal communities at a social and economic disadvantage.

The *Report and Order* adopts rules and policies that provide incentives for wireless telecommunications carriers to serve individuals living on tribal lands. We make bidding credits available in future auctions to winning bidders who commit to deploy facilities to tribal areas that have a telephone service penetration rate at or below 70 percent. We also express our commitment to work with carriers seeking flexibility under our technical and operational rules to promote deployment of wireless services on tribal lands.

B. Summary of Significant Issues Raised by Public Comment in Response to the IRFA

The U.S. Small Business Administration, Office of Advocacy (SBA), submitted a response to the IRFA. SBA argues that the Commission's IRFA was insufficient because it did not assess the significant economic impact certain proposals may have on small businesses nor did it propose alternatives that might minimize any impact.⁴ SBA also argues more specifically that the Commission's proposal to lift designated entity (DE) transfer restrictions may disadvantage small businesses.⁵ Further, SBA claims that the proposal to award bidding credits to any entity, regardless of size, that commits to serve tribal lands may provide big businesses an unfair advantage.⁶

We disagree with SBA's argument that we did not consider alternatives to minimize any

¹ See 5 U.S.C. § 603. The RFA, *see* 5 U.S.C. § 601 *et seq.*, has been amended by the Contract With America Advancement Act of 1996, Pub. L. No. 104-121, 110 Stat. 847 (1996) (CWAAA). Title II of the CWAAA is the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA).

² Extending Wireless Telecommunications Services to Tribal Lands, *Notice of Proposed Rulemaking*, WT Docket No. 99-266 (rel. Aug. 18, 1999).

³ See 5 U.S.C. § 604.

⁴ SBA Comments at 7-8.

⁵ *Id.* at 7.

⁶ *Id.* at 2, 3-6.

significant economic impact on small entities. We discussed in the IRFA the alternative of using unallocated or unlicensed spectrum by telecommunications providers, including small entities, to serve the needs of tribal lands. Similarly, we discussed the use of channels within licensed spectrum to achieve a similar result, and sought comment on these alternatives. SBA also argues against lifting the DE transfer restrictions, which was an alternative we set forth in the *Notice*. This argument is moot, however, because we do not adopt this proposal in the *Report and Order*. Last, SBA states that we proposed to "offer bidding credits in future auctions regardless of business size."⁷ However, in this proceeding we have not changed the generally available bidding credit that is offered to small businesses, and our new tribal lands bidding credit is offered in addition to the small business bidding credit. This additional, targeted incentive for tribal areas does not detract from our separate effort to assist small businesses through the small business bidding credit. For small businesses, the two credits may be combined.⁸

C. Description and Estimate of the Number of Small Entities to which the Proposed Rules Will Apply

The RFA directs agencies to provide a description of, and where feasible, an estimate of the number of small entities that may be affected by the proposed rules, if adopted.⁹ The RFA generally defines the term "small entity" as having the same meaning as the terms "small business," "small organization," and "small governmental jurisdiction."¹⁰ In addition, the term "small business" has the same meaning as the term "small business concern" under the Small Business Act.¹¹ A small business concern is one that: (1) is independently owned and operated; (2) is not dominant in its field of operation; and (3) satisfies any additional criteria established by the SBA.¹² A small organization is generally "any not-for-profit enterprise which is independently owned and operated and is not dominant in its field."¹³ Nationwide, as of 1992, there were approximately 275,801 small organizations.¹⁴ And finally, "Small governmental jurisdiction" generally means "governments of cities, counties, towns, townships, villages, school districts, or special districts, with a population of less than 50,000."¹⁵ As of 1992, there were approximately 85,006 such jurisdictions in the United States.¹⁶ This number includes 38,978 counties, cities, and towns; of these, 37,566, or 96 percent, have populations of fewer than

⁷ SBA Comments at 7.

⁸ See *Report and Order* ¶ 30.

⁹ 5 U.S.C. § 603(b)(3).

¹⁰ *Id.* § 601(6).

¹¹ 5 U.S.C. § 601(3) (incorporating by reference the definition of "small business concern" in 15 U.S.C. § 632). Pursuant to the RFA, the statutory definition of a small business applies "unless an agency, after consultation with the Office of Advocacy of the Small Business Administration and after opportunity for public comment, establishes one or more definitions of such term which are appropriate to the activities of the agency and publishes such definition(s) in the Federal Register." 5 U.S.C. § 601(3).

¹² Small Business Act, 15 U.S.C. § 632.

¹³ 5 U.S.C. § 601(4).

¹⁴ 1992 Economic Census, U.S. Bureau of the Census, Table 6 (special tabulation of data under contract to Office of Advocacy of the U.S. Small Business Administration).

¹⁵ 5 U.S.C. § 601(5).

¹⁶ U.S. Dept. of Commerce, Bureau of the Census, "1992 Census of Governments."

50,000.¹⁷ The Census Bureau estimates that this ratio is approximately accurate for all governmental entities. Thus, of the 85,006 governmental entities, we estimate that 81,600 (91 percent) are small entities.

SBA has developed a definition of small entities for radiotelephone (wireless) companies. The Census Bureau reports that there were 1,176 such companies in operation for at least one year at the end of 1992.¹⁸ According to SBA's definition, a small business radiotelephone company is one employing no more than 1,500 persons.¹⁹ The Census Bureau also reported that 1,164 of those radiotelephone companies had fewer than 1,000 employees. Thus, even if all of the remaining 12 companies had more than 1,500 employees, there would still be 1,164 radiotelephone companies that might qualify as small entities if they are independently owned and operated. Although it seems certain that some of these carriers are not independently owned and operated, we are unable at this time to estimate with greater precision the number of radiotelephone carriers and service providers that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 1,164 small entity radiotelephone companies that may be affected by the policies and rules adopted in the *Report and Order*.

Below, we further describe and estimate the number of wireless small business concerns that may be affected by the rules we adopt in the *Report and Order*.

Cellular Providers. Neither the Commission nor the SBA has developed a definition of small entities applicable to cellular licensees. Therefore, the applicable definition of small entity is the definition under the SBA rules applicable to radiotelephone (wireless) companies. This provides that a small entity is a radiotelephone company employing no more than 1,500 persons.²⁰ According to the Bureau of the Census, only twelve radiotelephone firms from a total of 1,178 such firms which operated during 1992 had 1,000 or more employees.²¹ Therefore, even if all twelve of these firms were cellular telephone companies, nearly all cellular carriers were small businesses under the SBA's definition. In addition, we note that there are 1,758 cellular licenses; however, a cellular licensee may own several licenses. In addition, according to the most recent *Telecommunications Industry Revenue* data, 808 carriers reported that they were engaged in the provision of either cellular service or Personal Communications Service (PCS) services, which are placed together in the data.²² We do not have data specifying the number of these carriers that are not independently owned and operated or have more than 1,500 employees, and thus are unable at this time to estimate with greater precision the number of cellular service carriers that would qualify as small business concerns under the SBA's definition. Consequently, we estimate that there are fewer than 808 small cellular service carriers that may be affected by the rules adopted herein.

Broadband PCS Licensees. The broadband PCS spectrum is divided into six frequency blocks designated A through F, and the Commission has held auctions for each block. The Commission defined "small entity" for Blocks C and F as an entity that has average gross revenues of less than \$40 million in

¹⁷ *Id.*

¹⁸ United States Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities: Establishment and Firm Size*, at Firm Size 1-123 (1995) ("1992 Census").

¹⁹ 13 C.F.R. § 121.201, SIC Code 4812.

²⁰ 13 CFR 121.201, SIC code 4812.

²¹ *1992 Census, Series UC92-S-1*, at Table 5, SIC code 4812.

²² *Trends in Telephone Service*, Table 19.3 (March 2000).

the three previous calendar years.²³ For Block F, an additional classification for "very small business" was added and is defined as an entity that, together with their affiliates, has average gross revenues of not more than \$15 million for the preceding three calendar years.²⁴ These regulations defining "small entity" in the context of broadband PCS auctions have been approved by the SBA.²⁵ No small businesses within the SBA-approved definition bid successfully for licenses in Blocks A and B. There were 90 winning bidders that qualified as small entities in the Block C auctions. A total of 93 small and very small business bidders won approximately 40% of the 1,479 licenses for Blocks D, E, and F.²⁶ Based on this information, we conclude that the number of small broadband PCS licensees will include the 90 winning C Block bidders and the 93 qualifying bidders in the D, E, and F blocks, for a total of 183 small entity PCS providers as defined by the SBA and the Commission's auction rules.

SMR Licensees. The Commission awards bidding credits in auctions for geographic area 800 MHz and 900 MHz SMR licenses to firms that had revenues of no more than \$15 million in each of the three previous calendar years.²⁷ In the context of 900 MHz SMR, this regulation defining "small entity" has been approved by the SBA; approval concerning 800 MHz SMR is being sought. We do not know how many firms provide 800 MHz or 900 MHz geographic area SMR service pursuant to extended implementation authorizations, nor how many of these providers have annual revenues of no more than \$15 million. One firm has over \$15 million in revenues. We assume, for purposes of this FRFA, that all of the remaining existing extended implementation authorizations are held by small entities, as that term is defined by the SBA. For geographic area licenses in the 900 MHz SMR band, there are 60 who qualified as small entities. For the 800 MHz SMR's, 38 are small or very small entities.

220 MHz Radio Service -- Phase I Licensees. The 220 MHz service has both Phase I and Phase II licenses. Phase I licensing was conducted by lotteries in 1992 and 1993. There are approximately 1,515 such non-nationwide licensees and four nationwide licensees currently authorized to operate in the 220 MHz band. The Commission has not developed a definition of small entities specifically applicable to such incumbent 220 MHz Phase I licensees. To estimate the number of such licensees that are small businesses, we apply the definition under the SBA rules applicable to Radiotelephone Communications companies. This definition provides that a small entity is a radiotelephone company employing no more than 1,500 persons.²⁸ According to the Bureau of the Census, only 12 radiotelephone firms out of a total of 1,178 such firms which operated during 1992 had 1,000 or more employees.²⁹ Therefore, if this general ratio continues in 2000 in the context of Phase I 220 MHz licensees, we estimate that nearly all such licensees are small businesses under the SBA's definition.

²³ See *Amendment of Parts 20 and 24 of the Commission's Rules -- Broadband PCS Competitive Bidding and the Commercial Mobile Radio Service Spectrum Cap, Report and Order*, FCC 96-278, WT Docket No. 96-59, paras. 57-60 (released Jun. 24, 1996), 61 FR 33859 (Jul. 1, 1996); see also 47 CFR 24.720(b).

²⁴ See *Amendment of Parts 20 and 24 of the Commission's Rules -- Broadband PCS Competitive Bidding and the Commercial Mobile Radio Service Spectrum Cap, Report and Order*, FCC 96-278, WT Docket No. 96-59, para. 60 (1996), 61 FR 33859 (Jul. 1, 1996).

²⁵ See, e.g., *Implementation of Section 309(j) of the Communications Act -- Competitive Bidding*, PP Docket No. 93-253, *Fifth Report and Order*, 9 FCC Rcd 5532, 5581-84 (1994).

²⁶ FCC News, *Broadband PCS, D, E and F Block Auction Closes*, No. 71744 (released Jan. 14, 1997).

²⁷ 47 CFR 90.814(b)(1).

²⁸ 13 CFR 121.201, Standard Industrial Classification (SIC) code 4812.

²⁹ U.S. Bureau of the Census, U.S. Department of Commerce, 1992 Census of Transportation, Communications, and Utilities, UC92-S-1, Subject Series, Establishment and Firm Size, Table 5, Employment Size of Firms; 1992, SIC code 4812 (issued May 1995).

220 MHz Radio Service -- Phase II Licensees. The Phase II 220 MHz service is a new service, and is subject to spectrum auctions. In the 220 MHz *Third Report and Order*, we adopted criteria for defining small businesses and very small businesses for purposes of determining their eligibility for special provisions such as bidding credits and installment payments.³⁰ We have defined a small business as an entity that, together with its affiliates and controlling principals, has average gross revenues not exceeding \$15 million for the preceding three years. Additionally, a very small business is defined as an entity that, together with its affiliates and controlling principals, has average gross revenues that are not more than \$3 million for the preceding three years.³¹ The SBA has approved these definitions.³² An auction of Phase II licenses commenced on September 15, 1998, and closed on October 22, 1998.³³ Nine hundred and eight (908) licenses were auctioned in 3 different-sized geographic areas: three nationwide licenses, 30 Regional Economic Area Group Licenses, and 875 Economic Area (EA) Licenses. Of the 908 licenses auctioned, 693 were sold. Companies claiming small business status won: one of the Nationwide licenses, 67% of the Regional licenses, and 54% of the EA licenses. As of January 22, 1999, the Commission announced that it was prepared to grant 654 of the Phase II licenses won at auction.³⁴

Paging Licensees. The Commission has adopted a two-tier definition of small businesses in the context of auctioning licenses in the Common Carrier Paging and exclusive Private Carrier Paging services. A small business will be defined as either (1) an entity that, together with its affiliates and controlling principals, has average gross revenues for the three preceding years of not more than \$3 million, or (2) an entity that, together with affiliates and controlling principals, has average gross revenues for the three preceding calendar years of not more than \$15 million. Because the SBA has not yet approved this definition for paging services, we will utilize the SBA's definition applicable to radiotelephone companies, *i.e.*, an entity employing no more than 1,500 persons.³⁵ At present, there are approximately 24,000 Private Paging licenses and 74,000 Common Carrier Paging licenses. According to the most recent *Telecommunications Industry Revenue* data, 172 carriers reported that they were engaged in the provision of either paging or "other mobile" services, which are placed together in the data.³⁶ We do not have data specifying the number of these carriers that are not independently owned and operated or have more than 1,500 employees, and thus are unable at this time to estimate with greater precision the number of paging carriers that would qualify as small business concerns under the SBA's definition. Consequently, we estimate that there are fewer than 172 small paging carriers that may be affected by the proposed rules, herein adopted. We estimate that the majority of private and common carrier paging providers would qualify as small entities under the SBA definition.

Narrowband PCS Licensees. The Commission has auctioned nationwide and regional licenses for narrowband PCS. There are 11 nationwide and 30 regional licensees for narrowband PCS. The Commission does not have sufficient information to determine whether any of these licensees are small

³⁰ 220 MHz Third Report and Order, 12 FCC Rcd 10943, 11068-70, at paras. 291- 295 (1997).

³¹ 220 MHz Third Report and Order, 12 FCC Rcd at 11068-69, para. 291.

³² See Letter from A. Alvarez, Administrator, SBA, to D. Phythyon, Chief, Wireless Telecommunications Bureau, FCC (Jan. 6, 1998).

³³ See generally Public Notice, "220 MHz Service Auction Closes," Report No. WT 98-36 (Wireless Telecom. Bur. Oct. 23, 1998).

³⁴ Public Notice, "FCC Announces It is Prepared to Grant 654 Phase II 220 MHz Licenses After Final Payment is Made," Report No. AUC-18-H, DA No. 99-229 (Wireless Telecom. Bur. Jan. 22, 1999).

³⁵ 13 CFR 121.201, SIC code 4812.

³⁶ *Trends in Telephone Service*, Table 19.3 (February 19, 1999).

businesses within the SBA-approved definition for radiotelephone companies. Given that nearly all radiotelephone companies have no more than 1,500 employees and that no reliable estimate of the number of prospective narrowband licensees can be made, we assume, for purposes of this FRFA, that all of the licenses will be awarded to small entities, as that term is defined by the SBA.

Rural Radiotelephone Service. The Commission has not adopted a definition of small entity specific to the Rural Radiotelephone Service.³⁷ A significant subset of the Rural Radiotelephone Service is the Basic Exchange Telephone Radio Systems (BETRS).³⁸ We will use the SBA's definition applicable to radiotelephone companies, *i.e.*, an entity employing no more than 1,500 persons.³⁹ There are approximately 1,000 licensees in the Rural Radiotelephone Service, and we estimate that almost all of them qualify as small entities under the SBA's definition.

Air-Ground Radiotelephone Service. The Commission has not adopted a definition of small entity specific to the Air-Ground Radiotelephone Service.⁴⁰ Accordingly, we will use the SBA's definition applicable to radiotelephone companies, *i.e.*, an entity employing no more than 1,500 persons.⁴¹ There are approximately 100 licensees in the Air-Ground Radiotelephone Service, and we estimate that almost all of them qualify as small under the SBA definition.

Fixed Microwave Services. Microwave services include common carrier,⁴² private-operational fixed,⁴³ and broadcast auxiliary radio services.⁴⁴ At present, there are approximately 22,015 common carrier fixed licensees and 61,670 private operational-fixed licensees and broadcast auxiliary radio licensees in the microwave services. The Commission has not yet defined a small business with respect to microwave services. For purposes of this IRFA, we will utilize the SBA's definition applicable to radiotelephone companies -- *i.e.*, an entity with no more than 1,500 persons.⁴⁵ We estimate, for this purpose, that all of the Fixed Microwave licensees (excluding broadcast auxiliary licensees) would qualify as small entities under the SBA definition for radiotelephone companies.

Offshore Radiotelephone Service. This service operates on several UHF TV broadcast channels that are not used for TV broadcasting in the coastal area of the states bordering the Gulf of Mexico.⁴⁶ At

³⁷ The service is defined in § 22.99 of the Commission's Rules, 47 CFR 22.99.

³⁸ BETRS is defined in §§ 22.757 and 22.759 of the Commission's Rules, 47 CFR 22.757 and 22.759.

³⁹ 13 CFR 121.201, SIC code 4812.

⁴⁰ The service is defined in § 22.99 of the Commission's Rules, 47 CFR 22.99.

⁴¹ 13 CFR 121.201, SIC code 4812.

⁴² 47 CFR 101 *et seq.* (formerly, part 21 of the Commission's Rules).

⁴³ Persons eligible under parts 80 and 90 of the Commission's rules can use Private Operational-Fixed Microwave services. See 47 CFR parts 80 and 90. Stations in this service are called operational-fixed to distinguish them from common carrier and public fixed stations. Only the licensee may use the operational-fixed station, and only for communications related to the licensee's commercial, industrial, or safety operations.

⁴⁴ Auxiliary Microwave Service is governed by part 74 of Title 47 of the Commission's Rules. See 47 CFR 74 *et seq.* Available to licensees of broadcast stations and to broadcast and cable network entities, broadcast auxiliary microwave stations are used for relaying broadcast television signals from the studio to the transmitter, or between two points such as a main studio and an auxiliary studio. The service also includes mobile TV pickups, which relay signals from a remote location back to the studio.

⁴⁵ 13 CFR 121.201, SIC 4812.

⁴⁶ This service is governed by subpart I of part 22 of the Commission's Rules. See 47 CFR 22.1001 through 22.1037.

present, there are approximately 55 licensees in this service. We are unable at this time to estimate the number of licensees that would qualify as small under the SBA's definition for radiotelephone communications.

Wireless Communications Services. This service can be used for fixed, mobile, radiolocation and digital audio broadcasting satellite uses. The Commission defined "small business" for the wireless communications services (WCS) auction as an entity with average gross revenues of \$40 million for each of the three preceding years, and a "very small business" as an entity with average gross revenues of \$15 million for each of the three preceding years. The Commission auctioned geographic area licenses in the WCS service. In the auction, there were seven winning bidders that qualified as very small business entities, and one that qualified as a small business entity. We conclude that the number of geographic area WCS licensees affected includes these eight entities.

Multipoint Distribution Systems (MDS). This service involves a variety of transmitters, which are used to relay programming to the home or office, similar to that provided by cable television systems.⁴⁷ In connection with the 1996 MDS auction, the Commission defined small businesses as entities that had annual average gross revenues for the three preceding years not in excess of \$40 million.⁴⁸ This definition of a small entity in the context of MDS auctions has been approved by the SBA.⁴⁹ These stations were licensed prior to implementation of Section 309(j) of the Communications Act of 1934, as amended.⁵⁰ Licenses for new MDS facilities are now awarded to auction winners in Basic Trading Areas (BTAs) and BTA-like areas.⁵¹ The MDS auctions resulted in 67 successful bidders obtaining licensing opportunities for 493 BTAs. Of the 67 auction winners, 61 meet the definition of a small business. There are 2,050 MDS stations currently licensed. Thus, we conclude that there are 1,634 MDS providers that are small businesses as deemed by the SBA and the Commission's auction rules.

D. Description of Projected Reporting, Recordkeeping, and Other Compliance Requirements

This *Report and Order* requires entities taking advantage of the tribal lands bidding credit to satisfy several reporting and compliance requirements. Section III.B.5 requires an applicant to indicate on its long-form application that it intends to serve qualifying tribal lands in its license area(s). Also, the applicant will have 90 days after filing the long-form application to obtain a certification by the affected tribal government providing: (a) its consent to allow the bidder to deploy facilities on its tribal land(s), in accordance with our rules, (b) a statement that the tribal government has not and will not enter into an exclusive contract with the applicant precluding entry by other carriers and will not unreasonably discriminate against any carrier, and (c) confirmation that the tribal lands are qualifying tribal lands as defined in our rules. In addition, an applicant must certify that it will comply with certain coverage requirements and consult with the tribal government regarding the siting of facilities and deployment of service on the tribal land. Further, at the end of the three-year build-out period, licensees that receive

⁴⁷ For purposes of this item, MDS includes both the single channel Multipoint Distribution Service (MDS) and the Multichannel Multipoint Distribution Service (MMDS).

⁴⁸ 47 CFR 1.2110(a)(1).

⁴⁹ Amendment of Parts 21 and 74 of the Commission's Rules with Regard to Filing Procedures in the Multipoint Distribution Service and in the Instructional Television Fixed Service and Implementation of Section 309(j) of the Communications Act - Competitive Bidding, 10 FCC Rcd 9589 (1995), 60 FR 36524 (Jul. 17, 1995).

⁵⁰ 47 U.S.C. 309(j).

⁵¹ *Id.* A Basic Trading Area (BTA) is the geographic area by which the Multipoint Distribution Service is licensed. See Rand McNally 1992 Commercial Atlas and Marketing Guide, 123rd Edition, pp. 36-39.

the tribal lands bidding credit must file a certification that they have satisfied the build-out requirements. To the extent that licensees choose to take advantage of any additional flexibility that we adopt, they may be required to comply with other reporting requirements.

The rules we adopt allow entities 90 days from the filing deadline of the long-form application to obtain the consent of a tribal government to serve its tribal land. Negotiation periods will vary tremendously within this timeframe. We anticipate that some entities will employ an attorney (average of \$200.00 per hour) to assist with negotiations. It is difficult to approximate how long it may take to obtain the consent of a tribal government, nevertheless, we estimate that the cost of obtaining tribal consent should not exceed \$50,000.

Preparation of the requisite certifications should be relatively straightforward, particularly since technical analyses are not required. We estimate that it will take two (2) hours to prepare the certifications and that entities will use in-house staff (average \$50.00 per hour), which should minimize costs. Since long-form applications are already required, we conclude that it should not take additional time to indicate an intention to take advantage of the tribal lands bidding credit.

E. Steps Taken to Minimize Significant Economic Impact on Small Entities, and Significant Alternatives Considered

SBA claims that we did not sufficiently assess in the IRFA how small businesses could be affected by our decisions to seek comment on eliminating designated entity (“DE”) transfer restrictions and awarding bidding credits in future auctions to entities that commit to deploy facilities to tribal lands. We disagree. The *Notice* sought comment on an array of alternatives, including the aforementioned, that the Commission could adopt to encourage the provision of wireless services to tribal areas. The RFA requires that the Commission ensure that regulations we adopt do not inhibit the ability of small entities to compete. The *Notice* did not propose to eliminate DE transfer restrictions, but rather sought comment on this alternative. In any event, the *Report and Order* does not address DE transfer restrictions.

Likewise, we sought comment on whether to award bidding credits in future auctions to any entity, regardless of size, that commits to serve tribal lands. SBA claims that such a proposal would unfairly advantage large businesses. We disagree. The *Notice* sought comment on whether to combine any credit for serving tribal lands with the small business credits available under our rules. Thus, small entities could potentially receive two credits for a license area. We did not propose a specific implementation program, but rather sought comment from the industry as to how to structure the program, including whether to limit the credit to designated entities, the appropriate credit amount, and any necessary safeguards. In addition, we sought comment on how to minimize any economic impact on small entities.

The *Report and Order* expands our bidding credit policy to facilitate the provision of wireless telecommunications services to tribal lands. Entities taking advantage of the credit must comply with certain reporting and compliance requirements. Expected costs include: (1) negotiating with and obtaining consent from tribal governments, (2) preparing the requisite certifications, and (3) deploying facilities to tribal areas. We conclude that obtaining tribal consent and deploying facilities to tribal areas may have a significant economic impact on small entities. Below, we discuss our efforts to minimize the economic impact on small entities in both of these areas.

Obtaining Tribal Consent

As discussed in Section III.B.1 of the *Report and Order*, we find that tribal governments are uniquely situated to ensure that carriers who obtain credits will meet their commitments to deploy facilities to the tribal areas with the greatest need. Therefore, tribal consent is key to meeting the objectives of our bidding credit initiative. We recognize that negotiations with a tribal government could prove lengthy and costly, particularly where an entity seeks the consent of multiple tribal governments. To minimize the economic impact on successful bidders, we rejected our proposal to require entities taking advantage of the credit to file an executed agreement with tribal governments setting forth all the terms and conditions for deploying facilities and initiating service on tribal lands. We concluded that this approach would expand the negotiations process and prove overly burdensome. Instead, entities need only obtain the consent of the tribal authority and file two certifications, as set forth in Section III.B.5 of the *Report and Order*.

Deployment of Facilities

Compliance with the coverage requirements may have a significant economic impact on small entities, particularly in instances where infrastructure costs for serving tribal lands exceed the available credit. The rules we adopt, however, should minimize the infrastructure costs for serving tribal areas. As set forth in Section III.B.4 of the *Report and Order*, we adopt several caps for the tribal lands bidding credit, depending on the gross bid amount of a license, which takes into account the potential recovery level for infrastructure costs. For example, for licenses with a gross bid amount up to \$1 million, carriers may receive a bidding credit up to 50 percent of the value of the license.⁵² Further, in instances where a carrier's infrastructure costs exceed the available credit, the carrier may seek a waiver to obtain additional credit, subject to the applicable caps. This should allow for substantial recovery of infrastructure costs, thus minimizing the economic impact on small entities.

Report to Congress: The Commission will send a copy of the *Report and Order*, including this FRFA, in a report to be sent to Congress pursuant to SBREFA, *see* 5 U.S.C. § 801(a)(1)(A). In addition, the Commission will send a copy of the *Report and Order*, including FRFA, to the Chief Counsel for Advocacy of the SBA. A copy of the *Report and Order* and FRFA (or summaries thereof) also will be published in the Federal Register. *See* 5 U.S.C. § 604(b).

⁵² The total size of the qualifying tribal lands, however, is a significant factor in determining the amount of the available credit. *See* Section III.B.4.

APPENDIX D
INITIAL REGULATORY FLEXIBILITY ANALYSIS

As required by the Regulatory Flexibility Act (RFA),¹ the Commission has prepared this Initial Regulatory Flexibility Analysis (IRFA) of the possible significant economic impact on small entities of the policies and rules proposed in the *Further Notice of Proposed Rulemaking (Further Notice)*.² Written public comments are requested on this IRFA. These comments must be filed in accordance with the filing deadlines for comments on the rest of the *Further Notice*, provided in Section V.D, and they must have a separate and distinct heading designating them as responses to the IRFA. The Commission will send a copy of the *Further Notice*, including the IRFA, to the Chief Counsel for Advocacy of the Small Business Administration, in accordance with the RFA.³ In addition, the *Further Notice* and IRFA (or summaries thereof) will be published in the Federal Register.⁴

A. Need for, and Objectives of, the Proposed Rules

The initiatives we adopt in the *Report and Order* should facilitate the deployment of facilities, and ultimately service, to the most underserved tribal communities. We recognize however, that there are other areas, both tribal and non-tribal, that have penetration levels above 70 percent, but still significantly below the nationwide average of 94 percent. It is our goal to ensure that all Americans have access to telecommunications service. In the *Further Notice*, we seek comment on other possible uses of bidding credits to encourage deployment of wireless facilities, and ultimately service, to these areas.

B. Legal Basis

We have authority under Sections 4(i), 303(r), 309(j) and 706 of the Communications Act of 1934, as amended, 47 U.S.C. §§ 154(i), 303(r), 309(j) and 706, to adopt the proposals set forth in the *Further Notice*.

C. Description and Estimate of the Number of Small Entities to which the Proposed Rules Will Apply.

The RFA directs agencies to provide a description of, and, where feasible, an estimate of the number of small entities that may be affected by the proposed rules, if adopted.⁵ The RFA generally defines the term "small entity" as having the same meaning as the terms "small business," "small organization," and "small governmental jurisdiction."⁶ In addition, the term "small business" has the same meaning as the term "small business concern" under the Small Business Act.⁷ A small business

¹ See 5 U.S.C. § 603. The RFA, *see* 5 U.S.C. § 601 *et seq.*, has been amended by the Contract With America Advancement Act of 1996, Pub. L. No. 104-121, 110 Stat. 847 (1996) (CWAAA). Title II of the CWAAA is the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA).

² Extending Wireless Telecommunications Services to Tribal Lands, *Further Notice of Proposed Rulemaking*, WT Docket No. 99-266, FCC 00-209 (adopted June 8, 2000).

³ See 5 U.S.C. § 603(a).

⁴ See *id.*

⁵ 5 U.S.C. § 603(b)(3).

⁶ *Id.* at § 601(6).

⁷ 5 U.S.C. § 601(3) (incorporating by reference the definition of "small business concern" in 15 U.S.C. § 632). Pursuant to the RFA, the statutory definition of a small business applies "unless an agency, after consultation with (continued....)

concern is one that: (1) is independently owned and operated; (2) is not dominant in its field of operation; and (3) satisfies any additional criteria established by the Small Business Administration (SBA).⁸

A small organization is generally "any not-for-profit enterprise which is independently owned and operated and is not dominant in its field."⁹ Nationwide, as of 1992, there were approximately 275,801 small organizations.¹⁰ And finally, "small governmental jurisdiction" generally means "governments of cities, counties, towns, townships, villages, school districts, or special districts, with a population of less than 50,000."¹¹ As of 1992, there were approximately 85,006 such jurisdictions in the United States.¹² This number includes 38,978 counties, cities, and towns; of these, 37,566, or 96 percent, have populations of fewer than 50,000.¹³ The Census Bureau estimates that this ratio is approximately accurate for all governmental entities. Thus, of the 85,006 governmental entities, we estimate that 81,600 (91 percent) are small entities.

SBA has developed a definition of small entities for radiotelephone (wireless) companies. The Census Bureau reports that there were 1,176 such companies in operation for at least one year at the end of 1992.¹⁴ According to SBA's definition, a small business radiotelephone company is one employing no more than 1,500 persons.¹⁵ The Census Bureau also reported that 1,164 of those radiotelephone companies had fewer than 1,000 employees. Thus, even if all of the remaining 12 companies had more than 1,500 employees, there would still be 1,164 radiotelephone companies that might qualify as small entities if they are independently owned and operated. Although it seems certain that some of these carriers are not independently owned and operated, we are unable at this time to estimate with greater precision the number of radiotelephone carriers and service providers that would qualify as small business concerns under SBA's definition. Consequently, we estimate that there are fewer than 1,164 small entity radiotelephone companies that may be affected by the policies and rules proposed in this *Further Notice*.

Below, we further describe and estimate the number of wireless small business concerns that may be affected by the rules we propose in the *Further Notice*.

Cellular Providers. Neither the Commission nor the SBA has developed a definition of small entities applicable to cellular licensees. Therefore, the applicable definition of small entity is the definition under the SBA rules applicable to radiotelephone (wireless) companies. This provides that a

(Continued from previous page) _____
the Office of Advocacy of the Small Business Administration and after opportunity for public comment, establishes one or more definitions of such term which are appropriate to the activities of the agency and publishes such definition(s) in the Federal Register." 5 U.S.C. § 601(3).

⁸ Small Business Act, 15 U.S.C. § 632.

⁹ 5 U.S.C. § 601(4).

¹⁰ 1992 Economic Census, U.S. Bureau of the Census, Table 6 (special tabulation of data under contract to Office of Advocacy of the U.S. Small Business Administration).

¹¹ 5 U.S.C. § 601(5).

¹² U.S. Dept. of Commerce, Bureau of the Census, "1992 Census of Governments."

¹³ *Id.*

¹⁴ United States Department of Commerce, Bureau of the Census, *1992 Census of Transportation, Communications, and Utilities: Establishment and Firm Size*, at Firm Size 1-123 (1995) ("1992 Census").

¹⁵ 13 C.F.R. § 121.201, SIC Code 4812.

small entity is a radiotelephone company employing no more than 1,500 persons.¹⁶ According to the Bureau of the Census, only twelve radiotelephone firms from a total of 1,178 such firms which operated during 1992 had 1,000 or more employees.¹⁷ Therefore, even if all twelve of these firms were cellular telephone companies, nearly all cellular carriers were small businesses under the SBA's definition. In addition, we note that there are 1,758 cellular licenses; however, a cellular licensee may own several licenses. In addition, according to the most recent *Telecommunications Industry Revenue* data, 808 carriers reported that they were engaged in the provision of either cellular service or Personal Communications Service (PCS) services, which are placed together in the data.¹⁸ We do not have data specifying the number of these carriers that are not independently owned and operated or have more than 1,500 employees, and thus are unable at this time to estimate with greater precision the number of cellular service carriers that would qualify as small business concerns under the SBA's definition. Consequently, we estimate that there are fewer than 808 small cellular service carriers that may be affected by the rules adopted herein.

Broadband PCS Licensees. The broadband PCS spectrum is divided into six frequency blocks designated A through F, and the Commission has held auctions for each block. The Commission defined "small entity" for Blocks C and F as an entity that has average gross revenues of less than \$40 million in the three previous calendar years.¹⁹ For Block F, an additional classification for "very small business" was added and is defined as an entity that, together with their affiliates, has average gross revenues of not more than \$15 million for the preceding three calendar years.²⁰ These regulations defining "small entity" in the context of broadband PCS auctions have been approved by the SBA.²¹ No small businesses within the SBA-approved definition bid successfully for licenses in Blocks A and B. There were 90 winning bidders that qualified as small entities in the Block C auctions. A total of 93 small and very small business bidders won approximately 40% of the 1,479 licenses for Blocks D, E, and F.²² Based on this information, we conclude that the number of small broadband PCS licensees will include the 90 winning C Block bidders and the 93 qualifying bidders in the D, E, and F blocks, for a total of 183 small entity PCS providers as defined by the SBA and the Commission's auction rules.

SMR Licensees. The Commission awards bidding credits in auctions for geographic area 800 MHz and 900 MHz SMR licenses to firms that had revenues of no more than \$15 million in each of the three previous calendar years.²³ In the context of 900 MHz SMR, this regulation defining "small entity" has been approved by the SBA; approval concerning 800 MHz SMR is being sought. We do not know how many firms provide 800 MHz or 900 MHz geographic area SMR service pursuant to extended implementation authorizations, nor how many of these providers have annual revenues of no more than

¹⁶ 13 CFR 121.201, SIC code 4812.

¹⁷ 1992 Census, Series UC92-S-1, at Table 5, SIC code 4812.

¹⁸ *Trends in Telephone Service*, Table 19.3 (March 2000).

¹⁹ See *Amendment of Parts 20 and 24 of the Commission's Rules -- Broadband PCS Competitive Bidding and the Commercial Mobile Radio Service Spectrum Cap, Report and Order*, FCC 96-278, WT Docket No. 96-59, paras. 57-60 (released Jun. 24, 1996), 61 FR 33859 (Jul. 1, 1996); see also 47 CFR 24.720(b).

²⁰ See *Amendment of Parts 20 and 24 of the Commission's Rules -- Broadband PCS Competitive Bidding and the Commercial Mobile Radio Service Spectrum Cap, Report and Order*, FCC 96-278, WT Docket No. 96-59, para. 60 (1996), 61 FR 33859 (Jul. 1, 1996).

²¹ See, e.g., *Implementation of Section 309(j) of the Communications Act -- Competitive Bidding*, PP Docket No. 93-253, *Fifth Report and Order*, 9 FCC Rcd 5532, 5581-84 (1994).

²² FCC News, *Broadband PCS, D, E and F Block Auction Closes*, No. 71744 (released Jan. 14, 1997).

²³ 47 CFR 90.814(b)(1).

\$15 million. One firm has over \$15 million in revenues. We assume, for purposes of this IRFA, that all of the remaining existing extended implementation authorizations are held by small entities, as that term is defined by the SBA. For geographic area licenses in the 900 MHz SMR band, there are 60 who qualified as small entities. For the 800 MHz SMR's, 38 are small or very small entities.

220 MHz Radio Service -- Phase I Licensees. The 220 MHz service has both Phase I and Phase II licenses. Phase I licensing was conducted by lotteries in 1992 and 1993. There are approximately 1,515 such non-nationwide licensees and four nationwide licensees currently authorized to operate in the 220 MHz band. The Commission has not developed a definition of small entities specifically applicable to such incumbent 220 MHz Phase I licensees. To estimate the number of such licensees that are small businesses, we apply the definition under the SBA rules applicable to Radiotelephone Communications companies. This definition provides that a small entity is a radiotelephone company employing no more than 1,500 persons.²⁴ According to the Bureau of the Census, only 12 radiotelephone firms out of a total of 1,178 such firms which operated during 1992 had 1,000 or more employees.²⁵ Therefore, if this general ratio continues in 1999 in the context of Phase I 220 MHz licensees, we estimate that nearly all such licensees are small businesses under the SBA's definition.

220 MHz Radio Service -- Phase II Licensees. The Phase II 220 MHz service is a new service, and is subject to spectrum auctions. In the 220 MHz *Third Report and Order*, we adopted criteria for defining small businesses and very small businesses for purposes of determining their eligibility for special provisions such as bidding credits and installment payments.²⁶ We have defined a small business as an entity that, together with its affiliates and controlling principals, has average gross revenues not exceeding \$15 million for the preceding three years. Additionally, a very small business is defined as an entity that, together with its affiliates and controlling principals, has average gross revenues that are not more than \$3 million for the preceding three years.²⁷ The SBA has approved these definitions.²⁸ An auction of Phase II licenses commenced on September 15, 1998, and closed on October 22, 1998.²⁹ Nine hundred and eight (908) licenses were auctioned in 3 different-sized geographic areas: three nationwide licenses, 30 Regional Economic Area Group Licenses, and 875 Economic Area (EA) Licenses. Of the 908 licenses auctioned, 693 were sold. Companies claiming small business status won: one of the Nationwide licenses, 67% of the Regional licenses, and 54% of the EA licenses. As of January 22, 1999, the Commission announced that it was prepared to grant 654 of the Phase II licenses won at auction.³⁰

Paging Licensees. The Commission has adopted a two-tier definition of small businesses in the context of auctioning licenses in the Common Carrier Paging and exclusive Private Carrier Paging

²⁴ 13 CFR 121.201, Standard Industrial Classification(SIC) code 4812.

²⁵ U.S. Bureau of the Census, U.S. Department of Commerce, 1992 Census of Transportation, Communications, and Utilities, UC92-S-1, Subject Series, Establishment and Firm Size, Table 5, Employment Size of Firms; 1992, SIC code 4812 (issued May 1995).

²⁶ 220 MHz Third Report and Order, 12 FCC Rcd 10943, 11068-70, at paras. 291- 295 (1997).

²⁷ 220 MHz Third Report and Order, 12 FCC Rcd at 11068-69, para. 291.

²⁸ See Letter from A. Alvarez, Administrator, SBA, to D. Phythyon, Chief, Wireless Telecommunications Bureau, FCC (Jan. 6, 1998).

²⁹ See generally Public Notice, "220 MHz Service Auction Closes," Report No. WT 98-36 (Wireless Telecom. Bur. Oct. 23, 1998).

³⁰ Public Notice, "FCC Announces It is Prepared to Grant 654 Phase II 220 MHz Licenses After Final Payment is Made," Report No. AUC-18-H.DA No. 99-229 (Wireless Telecom. Bur. Jan. 22, 1999).

services. A small business will be defined as either (1) an entity that, together with its affiliates and controlling principals, has average gross revenues for the three preceding years of not more than \$3 million, or (2) an entity that, together with affiliates and controlling principals, has average gross revenues for the three preceding calendar years of not more than \$15 million. Because the SBA has not yet approved this definition for paging services, we will utilize the SBA's definition applicable to radiotelephone companies, *i.e.*, an entity employing no more than 1,500 persons.³¹ At present, there are approximately 24,000 Private Paging licenses and 74,000 Common Carrier Paging licenses. According to the most recent *Telecommunications Industry Revenue* data, 172 carriers reported that they were engaged in the provision of either paging or "other mobile" services, which are placed together in the data.³² We do not have data specifying the number of these carriers that are not independently owned and operated or have more than 1,500 employees, and thus are unable at this time to estimate with greater precision the number of paging carriers that would qualify as small business concerns under the SBA's definition. Consequently, we estimate that there are fewer than 172 small paging carriers that may be affected by the rules adopted herein. We estimate that the majority of private and common carrier paging providers would qualify as small entities under the SBA definition.

Narrowband PCS Licensees. The Commission has auctioned nationwide and regional licenses for narrowband PCS. There are 11 nationwide and 30 regional licensees for narrowband PCS. The Commission does not have sufficient information to determine whether any of these licensees are small businesses within the SBA-approved definition for radiotelephone companies. Given that nearly all radiotelephone companies have no more than 1,500 employees and that no reliable estimate of the number of prospective narrowband licensees can be made, we assume, for purposes of this IRFA, that all of the licenses will be awarded to small entities, as that term is defined by the SBA.

Rural Radiotelephone Service. The Commission has not adopted a definition of small entity specific to the Rural Radiotelephone Service.³³ A significant subset of the Rural Radiotelephone Service is the Basic Exchange Telephone Radio Systems (BETRS).³⁴ We will use the SBA's definition applicable to radiotelephone companies, *i.e.*, an entity employing no more than 1,500 persons.³⁵ There are approximately 1,000 licensees in the Rural Radiotelephone Service, and we estimate that almost all of them qualify as small entities under the SBA's definition.

Air-Ground Radiotelephone Service. The Commission has not adopted a definition of small entity specific to the Air-Ground Radiotelephone Service.³⁶ Accordingly, we will use the SBA's definition applicable to radiotelephone companies, *i.e.*, an entity employing no more than 1,500 persons.³⁷ There are approximately 100 licensees in the Air-Ground Radiotelephone Service, and we estimate that almost all of them qualify as small under the SBA definition.

Fixed Microwave Services. Microwave services include common carrier,³⁸ private-operational fixed,³⁹ and broadcast auxiliary radio services.⁴⁰ At present, there are approximately 22,015 common

³¹ 13 CFR 121.201, SIC code 4812.

³² *Trends in Telephone Service*, Table 19.3 (February 19, 1999).

³³ The service is defined in § 22.99 of the Commission's Rules, 47 CFR 22.99.

³⁴ BETRS is defined in §§ 22.757 and 22.759 of the Commission's Rules, 47 CFR 22.757 and 22.759.

³⁵ 13 CFR 121.201, SIC code 4812.

³⁶ The service is defined in § 22.99 of the Commission's Rules, 47 CFR 22.99.

³⁷ 13 CFR 121.201, SIC code 4812.

³⁸ 47 CFR 101 *et seq.* (formerly, part 21 of the Commission's Rules).

carrier fixed licensees and 61,670 private operational-fixed licensees and broadcast auxiliary radio licensees in the microwave services. The Commission has not yet defined a small business with respect to microwave services. For purposes of this IRFA, we will utilize the SBA's definition applicable to radiotelephone companies -- *i.e.*, an entity with no more than 1,500 persons.⁴¹ We estimate, for this purpose, that all of the Fixed Microwave licensees (excluding broadcast auxiliary licensees) would qualify as small entities under the SBA definition for radiotelephone companies.

Offshore Radiotelephone Service. This service operates on several UHF TV broadcast channels that are not used for TV broadcasting in the coastal area of the states bordering the Gulf of Mexico.⁴² At present, there are approximately 55 licensees in this service. We are unable at this time to estimate the number of licensees that would qualify as small under the SBA's definition for radiotelephone communications.

Wireless Communications Services. This service can be used for fixed, mobile, radiolocation and digital audio broadcasting satellite uses. The Commission defined "small business" for the wireless communications services (WCS) auction as an entity with average gross revenues of \$40 million for each of the three preceding years, and a "very small business" as an entity with average gross revenues of \$15 million for each of the three preceding years. The Commission auctioned geographic area licenses in the WCS service. In the auction, there were seven winning bidders that qualified as very small business entities, and one that qualified as a small business entity. We conclude that the number of geographic area WCS licensees affected includes these eight entities.

Multipoint Distribution Systems (MDS). This service involves a variety of transmitters, which are used to relay programming to the home or office, similar to that provided by cable television systems.⁴³ In connection with the 1996 MDS auction, the Commission defined small businesses as entities that had annual average gross revenues for the three preceding years not in excess of \$40 million.⁴⁴ This definition of a small entity in the context of MDS auctions has been approved by the SBA.⁴⁵ These stations were licensed prior to implementation of Section 309(j) of the Communications Act of 1934, as amended.⁴⁶ Licenses for new MDS facilities are now awarded to auction winners in

(Continued from previous page) _____

³⁹ Persons eligible under parts 80 and 90 of the Commission's rules can use Private Operational-Fixed Microwave services. See 47 CFR parts 80 and 90. Stations in this service are called operational-fixed to distinguish them from common carrier and public fixed stations. Only the licensee may use the operational-fixed station, and only for communications related to the licensee's commercial, industrial, or safety operations.

⁴⁰ Auxiliary Microwave Service is governed by part 74 of Title 47 of the Commission's Rules. See 47 CFR 74 *et seq.* Available to licensees of broadcast stations and to broadcast and cable network entities, broadcast auxiliary microwave stations are used for relaying broadcast television signals from the studio to the transmitter, or between two points such as a main studio and an auxiliary studio. The service also includes mobile TV pickups, which relay signals from a remote location back to the studio.

⁴¹ 13 CFR 121.201, SIC 4812.

⁴² This service is governed by subpart I of part 22 of the Commission's Rules. See 47 CFR 22.1001 through 22.1037.

⁴³ For purposes of this item, MDS includes both the single channel Multipoint Distribution Service (MDS) and the Multichannel Multipoint Distribution Service (MMDS).

⁴⁴ 47 CFR 1.2110(a)(1).

⁴⁵ *Amendment of Parts 21 and 74 of the Commission's Rules with Regard to Filing Procedures in the Multipoint Distribution Service and in the Instructional Television Fixed Service and Implementation of Section 309(j) of the Communications Act - Competitive Bidding*, 10 FCC Rcd 9589 (1995), 60 FR 36524 (Jul. 17, 1995).

⁴⁶ 47 U.S.C. 309(j).

Basic Trading Areas (BTAs) and BTA-like areas.⁴⁷ The MDS auctions resulted in 67 successful bidders obtaining licensing opportunities for 493 BTAs. Of the 67 auction winners, 61 meet the definition of a small business. There are 2,050 MDS stations currently licensed. Thus, we conclude that there are 1,634 MDS providers that are small businesses as deemed by the SBA and the Commission's auction rules.

D. Description of Projected Reporting, Recordkeeping, and Other Compliance Requirements

The *Further Notice* does not propose any specific reporting, recordkeeping or compliance requirements. However, we seek comment on what, if any, such requirements we should impose if we adopt the proposals set forth in the *Further Notice*.

E. Steps Taken to Minimize Significant Economic Impact on Small Entities, and Significant Alternatives Considered

The RFA requires an agency to describe any significant alternatives that it has considered in reaching its proposed approach, which may include the following four alternatives: (1) the establishment of differing compliance or reporting requirements or timetables that take into account the resources available to small entities; (2) the clarification, consolidation, or simplification of compliance or reporting requirements under the rule for small entities; (3) the use of performance, rather than design, standards; and (4) an exemption from coverage of the rule, or any part thereof, for small entities.

The *Further Notice* seeks broad comment on additional uses of bidding credits to facilitate the provision of service to tribal and non-tribal areas.⁴⁸ The *Further Notice* does not make specific implementation proposals, but rather seeks guidance from the industry on how to further expand our bidding policies. We tentatively conclude that these initiatives should not have a significant economic impact on small carriers. Importantly, small business many combine any additional tribal lands bidding credits with the small business bidding credits available under our existing rules. Commenters are encouraged to discuss the alternatives proposed in the *Further Notice*, and specifically how to minimize any significant economic impact on small entities.

⁴⁷ *Id.* A Basic Trading Area (BTA) is the geographic area by which the Multipoint Distribution Service is licensed. See Rand McNally 1992 *Commercial Atlas and Marketing Guide*, 123rd Edition, pp. 36-39.

⁴⁸ See *Further Notice* ¶¶ 23-25.

F. Federal Rules that May Duplicate, Overlap, or Conflict with the Proposed Rules

None.

**Separate Statement of
Commissioner Gloria Tristani**

Re: *Federal-State Joint Board on Universal Service: Promoting Deployment and Subscribership in Unserved and Underserved Areas, Including Tribal and Insular Areas*, 12th Report and Order and Memorandum Opinion and Order, CC Docket No. 96-45; *Extending Wireless Telecommunications Services*, Report and Order and Further Notice of Proposed Rulemaking, WT Docket No. 99-266.

I am proud to cast my vote in support of these items. Our decisions here reflect this agency's commitment to improving access to telephone service on tribal lands and, in turn, to opening the door to the Information Age.

Section 254 of the Communications Act requires the Commission to assure that all Americans have access to telecommunications services.¹ While 94 percent of Americans enjoy phone service today, just 47 percent of Indian tribal households on tribal lands have telephones. The policies we adopt today, including expanded Lifeline and Link Up coverage, should boost subscribership on tribal lands and create incentives for new infrastructure investment. We appropriately recognize that wireless-based services offer unique solutions to increasing telephone access in often-isolated and remote tribal lands. I strongly support the decision to award bidding credits in upcoming auctions to wireless carriers that commit to deploy facilities and offer service to tribal areas that have telephone subscription rates below 70 percent.

I am also pleased that the Commission has established an expedited process for handling petitions by carriers seeking designations as Eligible Telecommunications Carriers on tribal lands. Excessive delay in the designation of competing providers may hinder the development of competition and the availability of service in many high-cost areas. By committing to prompt resolution of pending petitions, we should speed deployment of telecommunications infrastructure.

Finally, I am pleased that the Commission is reaffirming its commitment to promote a government-to-government relationship with tribal nations and to recognize that tribal nations have rights to set their own communications priorities and goals. To that end, I look forward to the training session the Commission will hold this September to assist tribal nations in making decisions about telecommunications.²

Our actions today, and our commitment to continue to act in the future, will help fulfill the mandate of Congress and, I believe, our moral obligation to ensure that all Americans enjoy the benefits of the Information Age.

¹ 47 U.S.C. § 254(b)(3).

² See "FCC Announces the Indian Telecom Training Initiative to be Held September 25-28, 2000" (rel. Apr. 24, 2000) <http://www.fcc.gov/Bureaus/Wireless/News_Releases/2000/nrw10012.doc>.