

marine radio services use a very high frequency (VHF) marine or aircraft radio and, as appropriate, an emergency position-indicating radio beacon (and/or radar) or an emergency locator transmitter. The Commission has not developed a small business size standard specifically applicable to these small businesses. For purposes of this analysis, the Commission uses the SBA small business size standard for the category "Cellular and Other Telecommunications," which is 1,500 or fewer employees. Most applicants for recreational licenses are individuals. Approximately 581,000 ship station licensees and 131,000 aircraft station licensees operate domestically and are not subject to the radio carriage requirements of any statute or treaty. For purposes of our evaluations in this analysis, we estimate that there are up to approximately 712,000 licensees that are small businesses (or individuals) under the SBA standard. In addition, between December 3, 1998 and December 14, 1998, the Commission held an auction of 42 VHF Public Coast licenses in the 157.1875–157.4500 MHz (ship transmit) and 161.775–162.0125 MHz (coast transmit) bands. For purposes of the auction, the Commission defined a "small" business as an entity that, together with controlling interests and affiliates, has average gross revenues for the preceding three years not to exceed \$15 million dollars. In addition, a "very small" business is one that, together with controlling interests and affiliates, has average gross revenues for the preceding three years not to exceed \$3 million dollars. There are approximately 10,672 licensees in the Marine Coast Service, and the Commission estimates that almost all of them qualify as "small" businesses under the above special small business size standards.

139. *Personal Radio Services.*

Personal radio services provide short-range, low power radio for personal communications, radio signaling, and business communications not provided for in other services. The Personal Radio Services include spectrum licensed under part 95 of our rules. These services include Citizen Band Radio Service (CB), General Mobile Radio Service (GMRS), Radio Control Radio Service (R/C), Family Radio Service (FRS), Wireless Medical Telemetry Service (WMTS), Medical Implant Communications Service (MICS), Low Power Radio Service (LPRS), and Multi-Use Radio Service (MURS). There are a variety of methods used to license the spectrum in these rule parts, from licensing by rule, to conditioning

operation on successful completion of a required test, to site-based licensing, to geographic area licensing. Under the RFA, the Commission is required to make a determination of which small entities are directly affected by the rules being adopted. Since all such entities are wireless, we apply the definition of cellular and other wireless telecommunications, pursuant to which a small entity is defined as employing 1,500 or fewer persons. Many of the licensees in these services are individuals, and thus are not small entities. In addition, due to the mostly unlicensed and shared nature of the spectrum utilized in many of these services, the Commission lacks direct information upon which to base an estimation of the number of small entities under an SBA definition that might be directly affected by the proposed rules.

140. Despite the paucity, or in some instances, total absence, of information about their status as licensees or regulatees or the number of operators in each such service, users of spectrum in these services are listed here as a matter of Commission discretion in order to fulfill the mandate imposed on the Commission by the Regulatory Flexibility Act to regulate small business entities with an understanding towards preventing the possible differential and adverse impact of the Commission's rules on smaller entities. Further, the listing of such entities, despite their indeterminate status, should provide them with fair and adequate notice of the possible impact of the proposals contained in the *Further NPRM*.

141. *Public Safety Radio Services.* Public Safety radio services include police, fire, local government, forestry conservation, highway maintenance, and emergency medical services. There are a total of approximately 127,540 licensees in these services.

Governmental entities as well as private businesses comprise the licensees for these services. All governmental entities with populations of less than 50,000 fall within the definition of a small entity.

c. Satellite-Related Services

142. *Fixed Satellite Transmit/Receive Earth Stations.* The most recent Commission data shows that there are approximately 3,149 earth station authorizations, a portion of which are Fixed Satellite Transmit/Receive Earth Stations. We do not request nor collect annual revenue information from these licensees, and are unable to estimate the number of earth station licensees that are small business entities under SBA definitions.

143. *Fixed Satellite Small Transmit/Receive Earth Stations.* The most recent Commission data shows that there are approximately 3,149 earth station authorizations, a portion of which are Fixed Satellite Small Transmit/Receive Earth Stations. We do not request nor collect annual revenue information from these licensees, and are unable to estimate the number of fixed satellite small transmit/receive earth station licensees that are small business entities under SBA definitions.

144. *Fixed Satellite Very Small Aperture Terminal (VSAT) Systems (14 GHz).* These stations operate on a primary basis, and frequency coordination with terrestrial microwave systems is not required. Thus, a single "blanket" application may be filed for a specified number of small antennas and one or more hub stations. The most recent Commission data shows that there are 485 current VSAT System authorizations. We do not request nor collect annual revenue information from these licensees, and are unable to estimate the number of VSAT system licensees that are small business entities under SBA definitions.

145. *Mobile Satellite Earth Stations.* The most recent Commission data shows that there are 21 licensees. We do not request nor collect annual revenue information from these licensees, and are unable to estimate the number of mobile satellite earth station licensees that are small business entities under SBA definitions.

146. *Radio Determination Satellite Earth Stations.* The most recent Commission data shows that there are four licensees. We do not request nor collect annual revenue information, and are unable to estimate the number of radio determination satellite earth station licensees that are small business entities under SBA definitions.

147. *Space Stations (Geostationary).* The most recent Commission data shows that there currently are an estimated 75 Geostationary Space Station authorizations. We do not request nor collect annual revenue information from these licensees, and are unable to estimate the number of geostationary space station licensees that are small business entities under SBA definitions.

148. *Space Stations (Non-Geostationary).* The most recent Commission data shows that there currently are seven Non-Geostationary Space Station authorizations. We do not request nor collect annual revenue information from these licensees, and are unable to estimate the number of non-geostationary space station