

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of)
)
Amendment of the Commission's Rules) WT Docket No. 97-81
Regarding Multiple Address Systems)
)
)

**ERRATUM
Released: March 3, 2000**

By the Deputy Chief, Public Safety and Private Wireless Division, Wireless Telecommunications Bureau:

1. This erratum amends portions of the text of the Multiple Address Systems (MAS) *Report and Order*, released on January 19, 2000. See Amendment of the Commission's Rules Regarding Multiple Address Systems, WT Docket No. 97-81, *Report and Order*, FCC No. 99-415 (rel. Jan. 19, 2000).

2. The text of the *MAS Report and Order* is corrected as follows:

(a) The last sentence in Paragraph 53 is revised to replace "We also conclude that coordination of operations on these frequencies will be accomplished through the IRAC of the NTIA, using the mileage separation criteria in Part 101 of our Rules." with "We also conclude that coordination of operations on the five channels set aside for public safety services, as defined by Part 90 of the Commission's rules, will be accomplished through the IRAC of the NTIA, using the mileage separation criteria in Part 101 of our Rules."

(b) Paragraph 136 is revised to read as follows: "IT IS FURTHER ORDERED that, pursuant to Section 4(i) of the Communications Act of 1934, as amended, 47 U.S.C. § 154(i), effective upon the release date of this *Report and Order*, APPLICATIONS to use MAS frequencies in the 928-928.85/952-952.85 MHz bands and 956.25-956.45 MHz bands WILL BE ACCEPTED FOR FILING provided that these applications are in compliance with the policies set forth herein."

3. The footnotes of the *MAS Report and Order* are corrected as follows:

(a) The first sentence in footnote 28 is revised to replace "See, e.g., Amendment of the Commission's Rules Regarding the 37.0-38.6 GHz and 38.6-40.0 GHz Bands and Implementation of Section 309(j) of the Communications Act – Competitive Bidding, 37.0-38.6 GHz and 38.6-40.0 GHz Bands, PP Docket No. 93-252, 14 FCC Rcd 12428, 12441-12445 (1999) (*39 GHz MO&O*)." with "See, e.g., Amendment of the Commission's Rules Regarding the 37.0-38.6 GHz and 38.6-40.0 GHz Bands and Implementation of Section 309(j) of the Communications Act – Competitive Bidding, 37.0-38.6 GHz and 38.6-40.0 GHz Bands, PP Docket No. 93-252, *Memorandum Opinion and Order*, 14 FCC Rcd 12428, 12441-12445 (1999) (*39 GHz MO&O*)."

(b) Footnote 45 is revised to replace "See, e.g., Amendment of the Commission's Rules Regarding the 37.0-38.6 GHz and 38.6-40.0 GHz Bands and Implementation of Section 309(j) of the Communications Act – Competitive Bidding, 37.0-38.6 GHz and 38.6-40.0 GHz Bands, PP Docket No. 93-252, *Memorandum Opinion and Order*, 14 FCC Rcd 12428 (1999) (*39 GHz Order*); 47 C.F.R. Part 22" with "39 GHz MO&O, 14 FCC Rcd at 12428; 47 C.F.R. Part 22."

(c) Footnote 86 is revised to replace “UTC Comments at 10” with “See UTC Comments at 10.”

(d) The first sentence in footnote 150 is revised to replace “*See 800 MHz First Report and Order*, 11 FCC Rcd at 1501; Amendment of the Commission’s Rules Regarding the 37.0-38.6 GHz and 38.6-40.0 GHz Bands, ET Docket No. 95-183, *Report and Order and Second Notice of Proposed Rulemaking*, 12 FCC Rcd 18600, 18636 ¶ 74 (1997) (*39 GHz Report and Order and Second NPRM*); *800 MHz First Report and Order*, 11 FCC Rcd at 1501 ¶ 59.” with “*See 800 MHz First Report and Order*, 11 FCC Rcd at 1501 ¶ 59; Amendment of the Commission’s Rules Regarding the 37.0-38.6 GHz and 38.6-40.0 GHz Bands, ET Docket No. 95-183, *Report and Order and Second Notice of Proposed Rulemaking*, 12 FCC Rcd 18600, 18636 ¶ 74 (1997) (*39 GHz Report and Order and Second NPRM*).”

(e) Footnote 178 is revised to replace “*See PCS Order*, 11 FCC Rcd at 21839-66; *218-219 MHz Report and Order*, 64 Fed. Reg. 59656 at ¶¶ 92-94; Amendment of the Commission’s Rules Regarding the 37.0 – 38.6 GHz and 38.6 – 40.0 GHz Bands, ET Docket No. 95-183, Implementation of Section 309(j) of the Communications Act – Competitive Bidding, 37.0 – 38.6 GHz and 38.6 – 40.0 GHz Bands, PP Docket No. 93-253, *Memorandum Opinion and Order*, 14 FCC Rcd 12428 (1999) (*39 GHz Order*); Revision of Part 22 and Part 90 of the Commission’s Rules to Facilitate Future Development of Paging Systems, PR Docket No. 93-253, *Memorandum Opinion and Order on Reconsideration and Third Report and Order*, 14 FCC Rcd 10030, 10101 (1999) (*Paging Systems Third Report and Order*); Amendment of Part 90 of the Commission’s Rules to Provide for the Use of the 220-222 MHz Band by the Private Land Mobile Radio Service, PR Docket No. 89-552, *Fifth Report and Order*, 13 FCC Rcd 24615 (1998) (*220 MHz Fifth Report and Order*); Rule Making to Amend Parts 1, 2, 21, and 25 of the Commission’s Rules to Redesignate the 27.5 - 29.5 GHz Frequency Band, To Reallocate the 29.5 - 30.0 GHz Frequency Band, To Establish Rules and Policies for Local Multipoint Distribution Service and for Fixed Satellite Services, CC Docket No. 92-297, *Fourth Report and Order*, 13 FCC Rcd 11655 (1998) (*LMDS Fourth Report and Order*); Amendment of the Commission’s Rules to Establish Part 27, the Wireless Communications Service (“WCS”), GN Docket No. 96-228, *Report and Order*, 12 FCC Rcd 10785, 10836 (1997) (*WCS Report and Order*)” with “*See PCS Order*, 11 FCC Rcd at 21839-66; Amendment of Part 95 of the Commission’s Rules to Provide Regulatory Flexibility in the 218-219 MHz Service, WT Docket No. 98-169, *Report and Order and Memorandum Opinion and Order*, 64 Fed. Reg. 59656 ¶¶ 92-94 (1999) (*218-219 MHz Report and Order*); *39 GHz MO&O*, 14 FCC Rcd at 12428; Revision of Part 22 and Part 90 of the Commission’s Rules to Facilitate Future Development of Paging Systems, PR Docket No. 93-253, *Memorandum Opinion and Order on Reconsideration and Third Report and Order*, 14 FCC Rcd 10030, 10101 (1999) (*Paging Systems Third Report and Order*); Amendment of Part 90 of the Commission’s Rules to Provide for the Use of the 220-222 MHz Band by the Private Land Mobile Radio Service, PR Docket No. 89-552, *Fifth Report and Order*, 13 FCC Rcd 24615 (1998) (*220 MHz Fifth Report and Order*); Rule Making to Amend Parts 1, 2, 21, and 25 of the Commission’s Rules to Redesignate the 27.5 - 29.5 GHz Frequency Band, To Reallocate the 29.5 - 30.0 GHz Frequency Band, To Establish Rules and Policies for Local Multipoint Distribution Service and for Fixed Satellite Services, CC Docket No. 92-297, *Fourth Report and Order*, 13 FCC Rcd 11655 (1998) (*LMDS Fourth Report and Order*); Amendment of the Commission’s Rules to Establish Part 27, the Wireless Communications Service (“WCS”), GN Docket No. 96-228, *Report and Order*, 12 FCC Rcd 10785, 10836 (1997) (*WCS Report and Order*).”

(f) Footnote 196 is revised to replace “*See 47 C.F.R. § 1.2111(e); Part 1 Third Report and Order*, 13 FCC Rcd at 405.” with “*See 47 C.F.R. § 1.2111(e); Amendment of Part 1 of the Commission’s Rules – Competitive Bidding Procedures*, WT Docket No. 97-82, *Third Report and Order*

and *Second Further Notice of Proposed Rule Making*, 13 FCC Rcd 374, 405 (1997), modified by *Erratum*, DA 98-419 (rel. Mar. 2, 1998) (*Part 1 Third Report and Order*).

(g) Footnote 204 is revised to replace “*See, e.g., 218-219 MHz Report and Order* ¶ 93; *39 GHz Order*, 14 FCC Rcd at 2460; *WCS Report and Order*, 12 FCC Rcd at 10839; *Paging Systems Third Report and Order*, 14 FCC Rcd at 10110; *220 MHz Fifth Report and Order*, 13 FCC Rcd at 24628; *800 MHz SMR Second Report and Order*, 12 FCC Rcd at 19150; *PCS Order*, 11 FCC Rcd at 21866” with “*See, e.g., 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 ¶ 93; *39 GHz MO&O*, 14 FCC Rcd at 12460; *WCS Report and Order*, 12 FCC Rcd at 10839; *Paging Systems Third Report and Order*, 14 FCC Rcd at 10110; *220 MHz Fifth Report and Order*, 13 FCC Rcd at 24628; Amendment of Part 90 of the Commission’s Rules to Facilitate Future Development of SMR Systems in the 800 MHz Frequency Band, Implementation of Sections 3(n) and 322 of the Communications Act – Regulatory Treatment of Mobile Services, Implementation of Section 309(j) of the Communications Act – Competitive Bidding, PR Docket No. 93-144, *Second Report and Order*, 12 FCC Rcd 19079, 19150 (*800 MHz SMR Second Report and Order*); *PCS Order*, 11 FCC Rcd at 21866.

(h) Footnote 205 is revised to replace “*See, e.g., 218-219 MHz Report and Order* ¶ 93; *39 GHz Order*, 14 FCC Rcd at 2460; *WCS Report and Order*, 12 FCC Rcd at 10839; *Paging Systems Third Report and Order*, 14 FCC Rcd at 10110; *220 MHz Fifth Report and Order*, 13 FCC Rcd at 24628; *800 MHz SMR Second Report and Order*, 12 FCC Rcd at 19150; *PCS Order*, 11 FCC Rcd at 21866” with “*See, e.g., 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 ¶ 93; *39 GHz MO&O*, 14 FCC Rcd at 12460; *WCS Report and Order*, 12 FCC Rcd at 10839; *Paging Systems Third Report and Order*, 14 FCC Rcd at 10110; *220 MHz Fifth Report and Order*, 13 FCC Rcd at 24628; *800 MHz SMR Second Report and Order*, 12 FCC Rcd at 19150; *PCS Order*, 11 FCC Rcd at 21866.”

(i) Footnote 230 is revised to read “Once again, the Commission has consistently defined substantial service as “service which is sound, favorable, and substantially above a level of mediocre service which just might minimally warrant renewal.” 47 C.F.R. § 22.940(a)(1)(i). *See also* Rulemaking to Amend Parts 1, 2, 21, and 25 of the Commission’s Rules to Redesignate the 27.5-29.5 GHz Frequency Band, to Reallocate the 29.5-30.0 GHz Frequency Band, to Establish Rules and Policies for Local Multipoint Distribution Service and for Fixed Satellite Services, CC Docket No. 92-297, *Second Report and Order*, *Order on Reconsideration*, and *Fifth Notice of Proposed Rulemaking*, 12 FCC Rcd 12545, 12660 (1997) (*LMDS Second Report and Order*); *WCS Report and Order*, 12 FCC Rcd at 10843-44; *Paging Systems Third Report and Order*, 14 FCC Rcd at 10030; *39 GHz Report and Order and Second NPRM*, 12 FCC Rcd at 18621-25; *220-222 Third Report and Order*, 12 FCC Rcd at 11015-21; Amendment of Parts 2 and 90 of the Commission’s Rules to Provide for the Use of 200 Channels Outside the Designated Filing Areas in the 896-901 MHz and the 935-940 MHz Bands Allotted to the Specialized Mobile Radio Pool – Implementation of Sections 3(n) and 332 of the Communications Act, GN Docket No. 93-252, *Third Order on Reconsideration*, 11 FCC Rcd 1170, 1171 (1995) (*SMR Third Order on Reconsideration*).”

(j) The second sentence in footnote 231 is revised to read “*See, e.g., LMDS Second Report and Order*, 12 FCC Rcd at 12545 (1997); Amendment of Parts 2 and 90 of the Commission’s Rules to Provide for the Use of 200 Channels Outside the Designated Filing Areas in the 896-901 MHz and the 935-940 MHz Bands Allotted to the Specialized Mobile Radio Pool – Implementation of Section 309(j) of the Communications Act – Competitive Bidding and Implementation of Sections 3(n) and 322 of the Communications Act, PR Docket No. 89-553, *Second Report and Order and Second Further Notice of Proposed Rulemaking*, 10 FCC Rcd 6884, 6887 ¶ 4 (1995) (*Competitive Bidding Second Report*

and Order).”

(k) Footnote 232 is revised to read “*See SMR Third Order on Reconsideration*, 11 FCC Rcd at 1170 ¶ 2.”

(l) Footnote 263 is revised to read “*See, e.g., 39 GHz Report and Order and Second NPRM*, 12 FCC Rcd at 18613.”

(m) The second sentence in footnote 277 is revised to replace “*See Amendment of Part 95 of the Commission’s Rules to Provide Regulatory Flexibility in the 218-219 MHz Service*, WT Docket No. 98-169, *Report and Order and Memorandum Opinion and Order*, ¶ 91 (rel. Sept. 10, 1999)” with “*See 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 ¶ 91.”

(n) Footnote 316 is revised to read “*Id.*, citing *Part 1 Third Report and Order*, 13 FCC Rcd at 374.”

(o) Footnote 323 is revised to replace “*Part 1 Third Report and Order*, 13 FCC Rcd at 374; *see 218-219 MHz Report and Order* ¶ 116” with “*Part 1 Third Report and Order*, 13 FCC Rcd at 374; *see 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 ¶ 116.”

(p) Footnote 325 is revised to replace “*See 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 at ¶ 118.” with “*See 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 ¶ 118.”

(q) Footnote 331 is revised to replace “*See 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 at ¶ 121” with “*See 218-219 MHz Report and Order*, 64 Fed. Reg. 59656 ¶ 121.”

(r) Footnote 338 is revised to replace “*See 39 GHz Order*, 14 FCC Rcd at 12461-62 (discussion 47 C.F.R. § 1.2111(d), (e))” with “*See 39 GHz MO&O*, 14 FCC Rcd at 12461-62 (discussion 47 C.F.R. § 1.2111(d), (e)).”

(s) Footnote 340 is revised to replace “*See 39 GHz Order*, 14 FCC Rcd at 12461-62” with “*See 39 GHz MO&O*, 14 FCC Rcd at 12461-62.”

4. Appendix B – Final Rules of the *MAS Report and Order* is corrected as follows:

(a) Section 101.101, as amended, is revised by correcting the table to read as follows:

§ 101.101 Frequency availability.

FREQUENCY BAND (MHz)	RADIO SERVICE				
	COMMON CARRIER (Part 101)	PRIVATE RADIO (Part 101)	BROADCAST AUXILIARY (Part 74)	OTHER (Parts 15, 21, 22, 24, 25, 74 78 & 100)	NOTES
928 – 929	MAS	MAS		PRS	

FREQUENCY BAND (MHz)	RADIO SERVICE				
	COMMON CARRIER (Part 101)	PRIVATE RADIO (Part 101)	BROADCAST AUXILIARY (Part 74)	OTHER (Parts 15, 21, 22, 24, 25, 74 78 & 100)	NOTES
932.0 – 932.5	MAS	MAS		PRS	
932.5 – 935.0	CC	OFS			(1)
941.0 – 941.5	MAS	MAS		PRS	
941.5 – 944.0	CC	OFS	Aural BAS		(1)
952 – 958		OFS/MAS		PRS	
958 – 960	MAS	OFS			

(b) Paragraph 5 is revised to replace “Section 101.105(c)(3) is amended to add the words “site-based” after “Applicants for” in the first paragraph, to add the words “site-based” between “for” and “multiple” in subsection (c)(3)(i), to delete subsection (c)(3)(ii), to renumber subsection (c)(3)(iii) as (c)(3)(ii), to delete “and (c)(3)(ii)” from the new subsection (c)(3)(ii) and to replace “are” with “is”, and to add subsection (c)(3)(iii), to read as follows:” with “Section 101.105(c)(3) is amended to add the words “site-based” after “Applicants for” in the first paragraph, to add the words “site-based” between “for” and “multiple” in subsection (c)(3)(i), to add “and the 932-932.5/941-941.5 MHz” between “928-929/952-960 MHz” and “a” in subsection (c)(3)(i), to delete subsection (c)(3)(ii), to renumber subsection (c)(3)(iii) as (c)(3)(ii), to delete “and (c)(3)(ii)” from the new subsection (c)(3)(ii) and to replace “are” with “is”, and to add subsection (c)(3)(iii), to read as follows:”

(c) Section 101.105(c)(3)(i), as amended, is revised to replace “For site-based multiple address stations in * * * .” with “For site-based multiple address stations in the 928-929/952-960 MHz and the 932-932.5/941-941.5 MHz bands, * * * .”

(d) Section 101.105(c)(5) is revised by deleting the current language and replacing it with “Mobile operation is permitted on any of the MAS frequency bands on a primary basis.”

(e) Note 1 in Section 101.109(c) is revised to read as follows: “ * * * If contiguous channels are aggregated in the 928-928.85/952-952.85/956.25-956.45 MHz, the 928.85-929/959.85-960 MHz, or the 932-932.5/941-941.5 MHz bands, then the bandwidth may exceed that which is listed in the table.”

(f) Section 101.135 is revised to read as follows: “ * * * (e) Applicants licensed in

the MAS frequencies after [insert 60 days after date of publication in the Federal Register], shall not provide service to others on a non-profit, cost-shared basis or on a for-profit private carrier basis in the 928-928.85/952-952.85/956.25-956.45 MHz bands and the 932.25625-932.49375/941.25625-941.49375 MHz bands.”

(g) Section 101.147(a) as amended, is revised to read as follows:

§ 101.147 Frequency assignments.

(a) * * * * *

928.0 - 929.0 MHz /28/
 932.0 - 932.5 MHz /27/
 932.5 - 935 MHz /17/
 941.0 - 941.5 MHz /27/
 941.5 - 944 MHz /17/ /18/
 952.0 - 960.0 MHz /28/

* * * * *

(h) Section 101.147(b), as amended, is revised to read “Frequencies normally available for assignment in this service are set forth with applicable limitations in the following tables: 928-960 MHz Multiple address system (MAS) frequencies are available for the point-to-multipoint and point-to-point transmission of a licensee’s products or services, excluding video entertainment material, to a licensee’s customer or for its own internal communications. The paired frequencies listed in this section are used for two-way communications between a master station and remote stations. Ancillary one-way communications on paired frequencies are permitted on a case-by-case basis. Ancillary communications between interrelated master stations are permitted on a secondary basis. The normal channel bandwidth assigned will be 12.5 kHz. EA licensees, however, may combine contiguous channels without limit or justification. Site-based licensees may combine contiguous channels up to 50 kHz, and more than 50 kHz only upon a showing of adequate justification. When licensed for a larger bandwidth, the system still is required to use equipment that meets the ± 0.00015 percent tolerance requirement. (See § 101.107). Any bandwidth (12.5 kHz, 25 kHz or greater) authorized in accordance with this section may be subdivided into narrower bandwidths to create additional (or sub) frequencies without the need to specify each discreet frequency within the specific bandwidth. Equipment that is used to create additional frequencies by narrowing bandwidth (whether authorized for a 12.5 kHz, 25 kHz or greater bandwidth) will be required to meet, at a minimum, the ± 0.00015 percent tolerance requirement so that all subfrequencies will be within the emission mask. Systems licensed for frequencies in these MAS bands prior to August 1, 1975, may continue to operate as authorized until June 11, 1996, at which time they must comply with current MAS operations based on the 12.5 kHz channelization set forth in this paragraph. Systems licensed between August 1, 1975, and January 1, 1981, inclusive, are required to comply with the grandfathered 25 kHz standard bandwidth and channelization requirements set forth in this paragraph. Systems originally licensed after January 1, 1981, and on or before May 11, 1988, with bandwidths of 25 kHz and above, will be grandfathered indefinitely.”

(i) Section 101.147(b)(4) as amended, is revised by deleting the current language and replacing it with “Frequencies listed in this paragraph are licensed by either economic area or on a site-

by-site basis.”

(j) Section 101.147, Note 27, as amended, the first sentence is revised to replace “Frequencies in the 932 to 932.5 MHz and 941 to 941.5 MHz bands are shared with Government fixed point-to-multipoint stations and point-to-multipoint stations in the Public Land Mobile Service.” with “Frequencies in the 932 to 932.5 MHz and 941 to 941.5 MHz bands are shared with Government fixed point-to-multipoint stations.”

(k) Section 101.147, Note 28, as amended, the first sentence is revised to replace “Subsequent to July 1, 1999, incumbent MAS operations, as defined in § 101.1331(a), in the 928/952/956 MHz bands are reserved for private internal use.” with “Subsequent to July 1, 1999, MAS operations, as defined in § 101.1331(a), in the 928/952/956 MHz bands are reserved for private internal use.”

(l) Section 101.1305 is revised to read “A private internal service is a service where entities utilize frequencies purely for internal business purposes or public safety communications and not on a for-hire or for-profit basis.”

FEDERAL COMMUNICATIONS COMMUNICATION

Ramona E. Melson
Deputy Chief, Public Safety and Private Wireless Division
Wireless Telecommunications Bureau