

NOTICES

the 1979 WARC; these cases are discussed below.

203. The principles mentioned in Resolution 3 and Recommendation 37 are still valid; it may be appropriate for a new Resolution setting forth present and future techniques and calling upon administrations to utilize those techniques to reduce congestion in the band 4 MHz-27.5 MHz.

204. Resolution 10 needs to be modified if the bands 7000-7100 kHz and 7100-7300 MHz are revised; in any event, the concept of sharing HF bands by certain services, e.g., Fixed and Broadcasting, may dictate modifications if sharing is decided to be a feasible concept.

205. Resolutions Mar 5 and Mar 2-20 are related and will need to be updated by the 1979 WARC; the modifications will be further dependent upon proposals considered by the 1979 WARC.

206. Resolution Mar 2-5 can be suppressed provided that the ITU Secretary General has published in the List of Coast Stations the Distribution Plan for Group Channels—HF Al Morse.

207. Recommendation 31 relates to the protection of standard frequency guard bands for use by radio astronomy; if incorporated into a footnote in the Radio Regulation, then the Recommendation could be suppressed.

208. Recommendation Mar 2-1 can be suppressed if the WARC provides allocations for low power radiolocation.

209. The actions required on Recommendations Mar 2-8 and 2-9 depend upon the actions of the WARC with regard to allocations proposals for the Maritime Mobile service and further with regard to how that spectrum is divided among the various maritime users.

210. Recommendation Mar 2-11 can be suppressed if the WARC makes available additional UHF frequencies for on-board ship communications. There is a relevant CCIR Draft Report (No. 587, Rev 76) dealing with question 18-118.

211. Recommendation Spa 2-1 is likely to be suppressed by the 1979 WARC.

212. The actions on Recommendations Spa 2-3, Spa 2-4, Spa 2-5 are dependent upon the actions of the WARC with regard to appropriate allocations. It is likely that these Recommendations will be suppressed.

213. The action on Recommendation Spa 2-7 is dependent upon the actions of the WARC with regard to allocation proposals for the Radio Astronomy service.

Conclusion

214. As we have previously indicated in this proceeding, all participants should keep in mind the importance of the 1979 WARC results. Based upon past experience, decisions reached at this conference can be expected to provide the basis for international radio regulation policy for most of the remainder of this century. It is of the utmost importance to develop U.S. proposals which effectively promote that combination of telecommunication uses which offers the maximum social and economic contribution to the national welfare and which also contain the flexibility necessary to

accommodate important new applications of this dynamic technology as well as the unique requirements of our international partners in the ITU. It must be recognized that the proposals presented herein pertain to the international Radio Regulations and that the domestic implementation of such proposals will require extensive U.S. national consideration.

215. Comments bearing on the proposed revisions to the international Radio Regulations, Appendices, Resolutions, and Recommendations, and any other matters relevant to preparation for the 1979 WARC are hereby sought from all interested United States individuals, parties, or groups of parties which may exist. In order to facilitate our analysis of the comments, we are asking that they be organized according to the topics presented in this Notice.

216. Pursuant to applicable procedures set forth in Section 1.415 of the Commission's Rules, interested persons may file comments on or before August 1, 1977, and reply comments on or before August 22, 1977. All relevant and timely comments and reply comments, along with any pertinent information which we may have available, will be considered. When commenting, it should be borne in mind that this effort is directed toward international allocations and not domestic issues. The U.S. wants to achieve maximum flexibility in international allocations proposals.

217. Although § 1.419 of the Commission's rules required that an original and five copies of all statements, briefs, or comments be filed in response to a Notice, our conference preparatory organization necessitates the filing of an original and nineteen copies. All responses received will be available for public inspection during regular business hours in the Commission's Public Reference Room at its Headquarters in Washington, D.C.

218. This Notice is issued pursuant to the authority set forth in section 4 (1) of the Communications Act of 1934, as amended 47 U.S.C. 154 (1).

FEDERAL COMMUNICATIONS
COMMISSION,
VINCENT J. MULLINS,
Secretary.

APPENDIX 1.—RESPONDENTS TO THIRD NOTICE OF INQUIRY

COMMENTS RECEIVED IN RESPONSE TO THIRD NOTICE OF INQUIRY—DOCKET 20271

Aeronautical Radio, Inc. and the Air Transport Assoc. of America
Aerospace & Flight Test Radio Coordinating Council
Aircraft Owners & Pilots Association
AM Broadcasting Service Working Group
American Broadcasting Companies, Inc.
American Telephone & Telegraph Co.
American Waterways Operators, Inc.
Association of American Railroads
Association for Broadcast Engineering Standards
Association of Independent Television Station, Inc.
Association of Maximum Service Telecasters, Inc.
Auxiliary Broadcasting Service Working Group
Clear Channel Broadcasting Service

Communications Assoc. of America, Inc.
Communications Satellite Corporation
COMSAT General Corp.
Corporation for Public Broadcasting
Council for UHF Broadcasting
Decca Survey Systems, Inc.
Domestic Land Mobile Advisory Committee
E. I. Du Pont de Nemours & Co.
Electronic Industries Assn. (Consumer Electronics Group)
Family Stations, Inc.
Far East Broadcasting Company, Inc.
Farinon Electric
Fisher's Blend Station, Inc.
General Electric Company (Communications Systems Div.)
General Electric Company (Major Appliance Business Group)
Gilmore Broadcasting Company
GTE Service Corp.
Guy, Arthur W.
Haddock, Hoyt S.
Hazeltine Corporation
Health, Education & Welfare Dept.
Joint Council on Educational Telecommunications
Krebs, William N.
Land Mobile Communications Council
Litton Microwave Cooking Products, Inc.
Marsten, Richard B.
Medallion Broadcasters, Inc.
Metromedia, Inc.
Mobile Marine Radio, Inc.
Motorola, Inc.
National Academy of Sciences
National Association of Broadcasters
National Astronomy and Ionosphere Center
National Broadcasting Company, Inc.
National Radio Broadcasters Association
Odum Offshore Surveys, Inc.
Offshore Navigation, Inc.
Private Land Mobile Service Working Group
Private Microwave Advisory Committee
Public Broadcasting Service
Public Service Satellite Consortium
Radio Astronomy Service Working Group
Radio Technical Commission for Aeronautics
Radio Technical Commission for Marine Services
Raytheon
RCA American Communications, Inc.
RCA Global Communications, Inc.
Satellite Business Systems
Television Broadcasting Service Working Group
Thompson, Arthur
Trans World Radio and Trans World Radio Pacific
Utilities Telecommunications Council
WGN Continental Broadcasting Company
International CB Radio Operators Association
E. F. Johnson Company

COMMENTS TO THIRD NOTICE OF INQUIRY—DOCKET 20271 (AMATEUR)

Amateur Radio Advisory Committee
American Radio Relay League
Arbogast, Burt T.
Argonne Amateur Radio Club
Bayalis, John
Beacon Radio Amateurs
Berberich, Frank
Bidstrup, Scott C.
Big Island Amateur Radio Club
Bowen, Chuck
Bowles, William G., Jr.
Cambridge, Ohio Amateur Radio Club
Carlen, Ed
Carlson, C. R.
Choisser, Bill and Kenney, Lawrence
Citrus Center Amateur Radio Club
Clark, Rev. Benjamin
Cooke, Willis R.
Davis, Marshall B.
Duck, Edward E.
East Bay Radio Club
Edgewood Amateur Radio Society, Inc.

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Electronic Industries Association (Communi-
cations Division)
Emergency Amateur Radio Club
Enid Amateur Radio Club, Inc.
Erk, Peter
Evans, James J.
Eye, Louis D., II
Fisher, James W.
Fisher, Walter
Fountain City Amateur Radio Club
Fulton County Amateur Radio Club
Fort Belvoir Amateur Radio Club
Fulcher, William, N.
Gainesville Amateur Radio Society
Great Smoky Mountain Chapter of 10-X
Greater Fairfield Amateur Radio Association
Grew, William
Guenther, John
Groenhof, Henry
Gullino, Chick
Gundry, James A.
Heimberger, Raymond E.
Henselman, Ronald
Hodges, Louis A.
Hauck, Ray N.
Houston, Al
Knirko, Lee
Larkin, Clarence J., Jr.
Leopold, Hank
Letovrneau, Wayne
Lievsey, Claude, Jr.
Long Island Mobile Radio Club
Magro, Daniel, Jr.
May, Robert M. II
Mitchell, W. M.

Moss, James
National Capitol DK Association
Pagliarini, John A., Jr.
Faruolo, Emil
Pentagon Amateur Radio Club
Praig, G. Franklin
Preston, James C.
Quarter Century Wireless Association, Inc.
(Long Island Chapter)
Radio Amateur Club of Knoxville
Radio Amateur Megacycle Society
Radio Amateur Satellite Corporation
Reiter, Verlin E.
Reynolds, Howard W.
Rock Creek Amateur Radio Association
Rudd, F. A.
Ruh, Henry B.
Scheurer, J. E.
Scholtz, William
Shreve, R. B.; McLaren, Donald; Hinds,
George; Carson, Willard; Hollis, Dave
Spearman, Frank
Springer, Alfred E.
Stitzer, Steven N.
Texas VHF-FM Society Inc.
Thompson, Andrew F.
Thornton, Douglas
Tiffany, W. D.
Troster, John G.
Southern California Repeater & Remote Base
Association
Tucson Repeater Association
West, Bryan F.
Winona Amateur Radio Club
Wolf, John

APPENDIX 2.—PROPOSAL FOR INTERNATIONAL
TABLE OF FREQUENCY ALLOCATIONS (ARTI-
CLE 5)

METHOD OF PRESENTATION

1. Numbers shown are the International Radio Regulation numbers;
2. Underlining indicates new text;
3. If a service is in all Capitals, it is a primary service (e.g. MOBILE);
4. If a service has a Capital as the first letter, and the remainder in lower case, it is a secondary service (e.g. Mobile);
5. Slant bars before and after service indicate a permitted service (e.g. /Mobile/);
6. ADD means an addition to the current provisions;
7. Brackets through the text (e.g. []) indicate existing text which is being deleted;
8. MOD means a modification of the current provisions;
9. SUP means to suppress the current provisions;
10. NOC means we are proposing that the current provisions not be changed;
11. In view of the action taken by the Final Acts of the 1971 Space Conference all frequencies should be expressed in hertz instead of cycles per second;
12. The absence of MOD, SUP OR NOC against a given Radio Regulation means that no proposal is being made in respect to that provision.

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4.

MHz		Region 1	Region 2	Region 3
110-112			* 110-115	* 110-130
	FIXED		FIXED	FIXED
	MARITIME MOBILE		MARITIME MOBILE	MARITIME MOBILE
	RADIONAVIGATION 162		RADIONAVIGATION 162	RADIONAVIGATION 162
			Relocation	
	163 167 168		164 167 168	
112-115			* 115-130	
	RADIONAVIGATION 162		FIXED	
			MARITIME MOBILE	
	163		MARITIME	
			RADIONAVIGATION 162	
			BROADCASTING	
			Relocation	
115-126				
	FIXED			
	MARITIME MOBILE			
	RADIONAVIGATION 162			
163 167 168 169				
126-129				
	RADIONAVIGATION 162			
	163			
129-130				
	FIXED			
	MARITIME MOBILE			
	RADIONAVIGATION 162			
163 167 168			164 167 168	167 168 170

REASON: To provide for low frequency broadcasting.

SUP 168

REASON: No longer required.

3.

MHz		Region 1	Region 2	Region 3
90-110		* 90-110	* 90-110	
	FIXED			
	MARITIME MOBILE 158			
	RADIONAVIGATION			
	MARITIME MOBILE 158			
	FIXED			
	MARITIME MOBILE 158			
	FIXED			
	MARITIME MOBILE 158			
163 166 167		* 166 167		* 166 167

REASON: To provide primary allocation for the radionavigation service worldwide.

NOC 166

REASON: Applicable to the contemplated use of this band for worldwide radionavigation systems. Affords additional protection.

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TABLE OF ALLOCATIONS

kHz		Region 1	Region 2	Region 3
Below 10	(Not allocated) 157			
REASON: No allocations to services proposed. MOC 157				
REASON: There is a continuing need for this condition in the event that frequencies below 10 kHz are used for special national purposes.				
10-14	RADIONAVIGATION Redefinition			
REASON: There is continuing and expanded use of this frequency band for worldwide radio navigational systems (Omega) for maritime and aeronautical aids. Redefinition is being deleted to protect radionavigation systems, and to preclude the entry of incompatible systems in the future.				
14-19.95	FIXED MARITIME MOBILE 158 159			
19.95-20.05	STANDARD FREQUENCY 160 159			
20.05-70	FIXED MARITIME MOBILE 158 159 161			
2.		Region 1	Region 2	Region 3
70-72	RADIONAVIGATION 162 161		70-90 FIXED MARITIME MOBILE 158 MARITIME RADIONAVIGATION 162 Redefinition	70-90 FIXED MARITIME MOBILE 158 RADIONAVIGATION 162
72-84	FIXED MARITIME MOBILE 158 RADIONAVIGATION 162 161 163			
84-86				
86-90	RADIONAVIGATION 162 163			
			164	165
			Reason: Operational requirements remain constant.	

6.

5.

Region 1		Region 2		Region 3	
130-150	MARITIME MOBILE 172 FIXED	130-150	FIXED	130-150	FIXED
163, 167, 173	MARITIME MOBILE BROADCASTING	167	BROADCASTING	167	MARITIME MOBILE
150-160	MARITIME MOBILE 167 174 BROADCASTING	150-160	FIXED	150-160	FIXED
175	BROADCASTING	167	BROADCASTING	167	MARITIME MOBILE
160-255	BROADCASTING	160-200 190	FIXED	160-200	FIXED
176	BROADCASTING	167	BROADCASTING	167	Aeronautical radiomavigation
255-285 273	MARITIME MOBILE 174 BROADCASTING AERONAUTICAL RADIOMAVIGATION	190-200	FIXED	190-200	FIXED
176 177 178	BROADCASTING	PERM AERONAUTICAL 176 RADIOMAVIGATION	200-285 273	PERM AERONAUTICAL 176 RADIOMAVIGATION	AERONAUTICAL radiomavigation

REASON: Broadcasting added 130-150 kHz to provide for low frequency broadcasting. Aeronautical radiomavigation added 150-200 kHz band to accommodate the growing needs of this service.

Region 1		Region 2		Region 3	
273-285	MARITIME MOBILE 174 BROADCASTING AERONAUTICAL RADIOMAVIGATION Maritime Radiomavigation (radiobeacons)	273-285	AERONAUTICAL radiomavigation (radiobeacons)		
176 177 178					

Reason: To support requirements for maritime radiobeacons.

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8.

7.		8.	
Region 1	Region 2	Region 1	Region 2
405-415	405-415	405-415	405-415
MOBILE except aeronautical mobile	MARITIME RADIONAVIGATION (radio direction-finding)	MARITIME RADIONAVIGATION (radio direction-finding)	RADIONAVIGATION Aeronautical mobile
AERONAUTICAL RADIONAVIGATION	/Aeronautical radionavigation/	/Aeronautical radionavigation/	
MARITIME RADIONAVIGATION (radio direction-finding)	Aeronautical mobile	Aeronautical mobile	
182 183 184	182	182	182

REASON: There is a continuing need for the services specified above in this band.

MOC 182

REASON: There is a continuing need to provide the maritime radionavigation (radio direction-finding) service with protection from interference from other services utilizing this band.

7.

Region 1	Region 2	Region 3
285-315		
MARITIME RADIONAVIGATION (radiobeacons)		
Aeronautical radionavigation		

REASON: There is a continuing need to utilize this band for radionavigation (radiobeacons).

315-325	315-325
AERONAUTICAL RADIONAVIGATION	MARITIME RADIONAVIGATION (radiobeacons)
180	Aeronautical radionavigation

Reason: There is a continuing need to utilize this band for radio navigation (radiobeacons).

325-405 325	Maritime radionavigation (radiobeacons)
	AERONAUTICAL RADIONAVIGATION
	Aeronautical mobile
	181

Reason: There is a continuing need to utilize this band for aeronautical radionavigation and aeronautical mobile, and to support requirements for maritime radionavigation beacons.

315-405

	AERONAUTICAL RADIONAVIGATION
	Aeronautical mobile
	181

Reason: There is a continuing need to utilize this band for aeronautical radionavigation and aeronautical mobile services.

10.

9.

kHz	Region 1			Region 2			Region 3		
	*	*	*	*	*	*	*	*	*
510-525				* 510-525			* 510-525		
	MARITIME MOBILE 186 188A				MOBILE /Aeronautical radionavigation 188			MARITIME MOBILE Aeronautical mobile Land mobile 188A	
	Aeronautical radionavigation 188								
					MARITIME MOBILE 186 188A				
185									* 189

REASON: Mobile allocation deleted and maritime mobile allocation (and appropriate footnote) inserted to conform to actual usage of band.

kHz	Region 1			Region 2			Region 3		
	*	*	*	*	*	*	*	*	*
415-490									
					MARITIME MOBILE				
					185 186				

REASON: There is a continuing need by the maritime mobile service to utilize this band for telegraph communications over short and medium distances.

MOC 188

REASON: To retain priority for the maritime mobile service in this band on a worldwide basis.

ADD 188A The frequency 512 kHz is used as prescribed by Mos. 1121 and 1125 through 1129.

Reason: To indicate 512 kHz is used in accordance with provisions of Article 32.

490-510

MOBILE (distress and calling)

187

REASON: There is a continuing need to maintain this band for international distress traffic and calling purposes.

MOC 187

REASON: Same as indicated above.

12.

11.

	Region 1	Region 2	Region 3
1605-2000	1800	1605-1800 1615	1605-1800
	FIXED MOBILE except aeronautical mobile	FIXED MOBILE AERONAUTICAL Radio-navigation BROADCASTING	FIXED MOBILE
192 193 194 199 195A			197
		1615-1800	
		FIXED MOBILE AERONAUTICAL BROADCASTING RADIO-NAVIGATION	
192B			192B
ADD 192B	The bands 1615-1800 kHz and 3230-3400 kHz are also allocated to the Radiolocation service.		
REASON:	To accommodate radiolocation services for geophysical, maritime and surveying functions.		
REASON:	Broadcasting added to provide expansion of medium frequency band to meet future requirements. Radiolocation modified to primary co-equal shared to satisfy requirements such as geophysical, maritime, and surveying functions.		
ADD 192C	Special agreements between administrations concerned shall determine the conditions for implementations of broadcasting in the proximity of international boundaries to preclude harmful interference being caused to the radio location service.		
REASON:	To ensure some measure of protection for Radiolocation systems.		

	Region 1	Region 2	Region 3
525-535		525-535	525-535
BROADCASTING		MOBILE Broadcasting-197 / Aeronautical Radiolocation BROADCASTING	MOBILE Broadcasting BROADCASTING
190			
REASON:	Population growth, shifts in population, new communities and other factors are sufficient to warrant some expansion of the medium frequency broadcasting band to meet future requirements.		
SUP 191			
REASON:	No longer required.		
535-1605			BROADCASTING
REASON:	There is a continuing need to provide existing and expanded broadcasting services to the general public.		

14.

Region 1	Region 2	Region 3
<p>1800-1900 FIXED MOBILE except aeronautical-mobile AMATEUR</p> <p>192 193 194 195 197A</p>	<p>1800-2000 1900</p> <p>AMATEUR FIXED MOBILE except aeronautical mobile RADIO NAVIGATION MOD 198</p>	<p>2000-2045 FIXED MOBILE except aeronautical mobile</p> <p>193 195A</p> <p>2045-2065 METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile</p> <p>193 195A</p>
<p>1900-2000</p> <p>FIXED MOBILE except aeronautical mobile Radiolocation</p> <p>192 193 194 195 197A</p>	<p>1900-2000</p> <p>AMATEUR FIXED MOBILE except aeronautical mobile RADIO NAVIGATION Radiolocation MOD 198 AND 197A</p>	<p>2000-2065</p> <p>FIXED MOBILE MARITIME MOBILE 200</p> <p>2107-2170</p> <p>FIXED MOBILE except aeronautical mobile (R)</p> <p>193 195A</p>

13.

Region 1	Region 2	Region 3
<p>1800-1900 FIXED MOBILE except aeronautical-mobile AMATEUR</p> <p>192 193 194 195 197A</p>	<p>1800-2000 1900</p> <p>AMATEUR FIXED MOBILE except aeronautical mobile RADIO NAVIGATION MOD 198</p>	<p>2000-2045 FIXED MOBILE except aeronautical mobile</p> <p>193 195A</p> <p>2045-2065 METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile</p> <p>193 195A</p>
<p>1900-2000</p> <p>FIXED MOBILE except aeronautical mobile Radiolocation</p> <p>192 193 194 195 197A</p>	<p>1900-2000</p> <p>AMATEUR FIXED MOBILE except aeronautical mobile RADIO NAVIGATION Radiolocation MOD 198 AND 197A</p>	<p>2000-2065</p> <p>FIXED MOBILE MARITIME MOBILE 200</p> <p>2107-2170</p> <p>FIXED MOBILE except aeronautical mobile (R)</p> <p>193 195A</p>

REASON: Retention of this band as presently allocated is for the purpose of retaining flexibility in future sharing arrangements with fixed and mobile services.

REASON: Short to medium range communications can be accomplished by the amateur service in this band, and particularly to provide an exclusive allocation worldwide.

1900-2000: To provide for geophysical, maritime, and surveying radiolocation functions, all of which are expanding and are expected to do so.

REASON: Requirement remains valid.

MOD 198: In Region 2 the Loren system has priority until such time as that system is discontinued by agreement between administrations. Other services to which the band is allocated may use any frequency in this band provided that they do not cause harmful interference to the Loren system until such time as that system is discontinued.

MOD 198: In Region 2 the Loren system has priority. Other services to which the band is allocated may use any frequency in this band provided that they do not cause harmful interference to the Loren system.

In Region 3 the Loren system in any particular area operates either on 1950 or 1970 kHz. The bands occupied being 1825-1875 kHz and 1925-1975 kHz respectively. Other services to which the band 1800-2000 kHz is allocated may use any frequency therein on condition that no harmful interference is caused to the Loren system operating on 1950 or 1970 kHz.

REASON: Long range planning indicates that Loren systems will be removed from the band 1900-2000 kHz.

15.

REASON: 2065-2107: Allocation retained to accommodate continuing need to provide services in this band in the maritime mobile service, and to meet future requirements.

2107-2170: This band is presently used for a variety of fixed and mobile services.

Retention of this band as presently allocated internationally is for the purpose of retaining flexibility in future sharing arrangements between fixed and mobile services.

NOC 200

REASON: There is a continuing need for this footnote:

MHz	
Region 1	Region 3
201 201A	
MOBILE (distress and calling)	

REASON: There is a continuing need to maintain this band for international distress traffic and calling purposes.

NOC 201 & 201A

REASON: There is a continuing need to maintain these footnotes to provide for international distress purposes.

2194-2300	* 2194-2300
FIXED	* * * * *
MOBILE except	* * * * *
aeronautical	* * * * *
mobile (R)	* * * * *
193 195A	* * * * *

REASON: This band is presently used for a variety of fixed and mobile services. Retention of this band as presently allocated is for the purpose of retaining flexibility in future sharing arrangements between fixed and mobile services.

16.

MHz	
Region 1	Region 2
2300-2495	
FIXED MOBILE except aeronautical mobile (R) BROADCASTING 202	FIXED MOBILE BROADCASTING 202
193 195A	* 2495-2505
2498-2502	* * * * *
STANDARD FREQUENCY	
203 203A	
2502-2625	* 203 203A
FIXED MOBILE except aeronautical mobile (R)	* 2505-2625
193 195A	* * * * *
STANDARD FREQUENCY	
203 203A	
203 203A	* * * * *
FIXED MOBILE	

REASON: 2300-2495: Same as reason stated for the band 2194-2300 kHz above. The allocation for broadcasting is being retained because of its use in tropical zones in other countries within Region 2.

2505-2625: Same as reason stated for the bands 2194-2495 kHz.

18.

Region 1	Region 2	Region 3
3025-3155		
AERONAUTICAL MOBILE (OR)		
REASON: Continued use through, and beyond, the year 2000 by the aeronautical mobile (OR) service.		
3155-3200		
FIXED MOBILE except aeronautical mobile (R)		
REASON: This band is presently used for a variety of fixed and mobile services. Retention of this band as presently allocated is for the purpose of retaining flexibility in future sharing arrangements between fixed and mobile services.		
3200-3230		
FIXED MOBILE except aeronautical mobile (R) BROADCASTING 202		
REASON: This band is presently used for a variety of fixed and mobile services; its retention is required. The allocation for the broadcasting service is being retained because of its use in the tropical zones in other countries within Region 2.		

17.

Region 1	Region 2	Region 3
2625-2650	2625-2850	
MARITIME MOBILE MARITIME RADIONAVIGATION		
175 195A		
FIXED MOBILE		
2650-2850		
FIXED MOBILE except aeronautical mobile (R)		
205 195A		
REASON: Same as stated for the bands 2194-2495 and 2505-2625 kHz.		
2850-3025		
AERONAUTICAL MOBILE (R) 201A 205A		
REASON: Continued use through, and beyond, the year 2000 by the aeronautical mobile (R) service.		
NOC 201A 205A		
REASON: Continued need for search and rescue purposes.		

19.

	kHz		
	Region 1	Region 2	Region 3
3230-3400		FIXED MOBILE except aeronautical mobile BROADCASTING 202	
		AERONAUTICAL MOBILE (R)	
		REASON: Same as stated for the band 3200-3230 kHz above.	
3400-3500			
		REASON: Continued use through, and beyond, the year 2000 by the aeronautical mobile (R) service.	
3500-3800	AMATEUR FIXED MOBILE except aeronautical mobile	3500-4000 3900 AMATEUR FIXED MOBILE except aeronautical mobile (R)	3500-3900 AMATEUR FIXED MOBILE
3800-3900	FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE		206 207

20.

	kHz		
	Region 1	Region 2	Region 3
3900-3950	AERONAUTICAL MOBILE (OR)	3900-4000 AMATEUR FIXED MOBILE except aeronautical mobile (R)	3900-3950 AERONAUTICAL MOBILE BROADCASTING
3950-4000	FIXED BROADCASTING		3950-4000 FIXED BROADCASTING
	REASON: To provide exclusive Region 2 amateur allocation in the band 3900-3950 kHz.		

22.

21.

kHz		Region 1	Region 2	Region 3
4000-4063				
		<u>FIXED</u> mobile except aeronautical mobile (R)		
4063-4438 4123				
		<u>MARITIME MOBILE</u> 208 209 209A <u>BROADCASTING</u> <u>FIXED</u>		
4123-4438				
		<u>MARITIME MOBILE</u> 208 MOD 209A MOD 209		
4438-4650 4560				
				* 4438-4650 4560 * <u>FIXED</u> mobile except aeronautical mobile (R) * <u>MARITIME MOBILE</u>
4560-4650				
				* 4560-4650 * <u>FIXED</u> mobile except aeronautical mobile (R) * <u>MARITIME MOBILE</u>
REASON: Band reduced to expand spectrum available to the maritime mobile service in the adjacent lower band, additionally the band 4063-4123 is required by high frequency broadcasting.				
4650-4700				<u>AERONAUTICAL MOBILE (R)</u>
4700-4750				<u>AERONAUTICAL MOBILE (OR)</u>
4750-4850				
				* 4750-4850 * <u>FIXED</u> AERONAUTICAL MOBILE * (OR) <u>BROADCASTING 202</u> LAND MOBILE * <u>BROADCASTING 202</u> *

MOD 209A For the use of carrier frequency 4123.3 kHz (as from 1 January 1978 to be replaced by carrier frequency 4125 kHz) in the zone of Regions 1 and 2 south of latitude 15°N, including Mexico, and in the zone of Region 3 south of latitude 25°N, see no. 1351E.

Reason: To delete an obsolete date.

MOD 209 On condition that harmful interference is not caused to the maritime mobile service, the frequencies between 4063 4123 and 4438 kHz may be used exceptionally by fixed stations communicating only within the boundary of the country in which they are located, with a mean power not exceeding 50 watts; however, in Regions 2 and 3, between 4238 and 4368 kHz, a mean power not exceeding 500 watts may be used by such fixed stations.

Reason: Consequential to allocation change.

23.

kHz		Region 1	Region 2	Region 3
4850-4995				
		FIXED LAND MOBILE BROADCASTING 202		
		Reason: Continuing need for existing allocations.		
4995-5005		STANDARD FREQUENCY 203A 210		
5005-5060		FIXED BROADCASTING 600		
5060-5200		MOBILE except aeronautical mobile (R) FIXED		
		Reason: Band reduced to expand spectrum available to the maritime mobile service in the adjacent upper band.		
5200-5250		FIXED MARITIME MOBILE		
		Reason: To provide additional spectrum for use by the maritime mobile service.		
		Reason: Mobile except aeronautical mobile (R) added to specific bands to accommodate national requirements.		
		Reason: 202 deleted from 5005-5060 to accommodate expansion of international broadcasting.		

24.

kHz		Region 1	Region 2	Region 3
5250-5430	5300		5250-5430	5300
		FIXED LAND MOBILE MARITIME MOBILE		
		Reason: To provide additional spectrum for use by the maritime mobile service.		
5300-5430	5300-5450		5300-5430	
		FIXED LAND MOBILE		
		Reason: Band reduced to expand spectrum available to the maritime mobile service in the adjacent lower band.		
5430-5480	5450-5480		5430-5480	
		FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE		
		Reason: Band reduced to expand spectrum available to the maritime mobile service in the adjacent lower band.		
		FIXED AERONAUTICAL MOBILE (R) LAND MOBILE		

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26.

25.

kHz			
Region 1	Region 2	Region 3	

6765-7000 6950

FIXED
MOBILE except aeronautical mobile (R)

Reason: The service mobile except aeronautical mobile (R) is being added to provide for national requirements.

6950-7000

FIXED
AMATEUR
AMATEUR-SATELLITE

Reason: To provide additional spectrum for use by the amateur and amateur-satellite services.

7000-7100

AMATEUR
AMATEUR-SATELLITE

7100-7300 <u>7250</u> BROADCASTING AMATEUR S22	7100-7300 <u>7250</u> AMATEUR	7100-7300 <u>7250</u> BROADCASTING AMATEUR
7250-7300 BROADCASTING S22	7250-7300 AMATEUR BROADCASTING	7250-7300 BROADCASTING

SUP 212

REASON: Consequential to allocation change.

kHz			
Region 1	Region 2	Region 3	

5480-5680

AERONAUTICAL MOBILE (R)
201A 205A

5680-5730

AERONAUTICAL MOBILE (OR)
201A 205A

5730-5950

MOBILE except aeronautical mobile (M)
FIXED

5950-6200

BROADCASTING

6200-6525

MARINE MOBILE
211 MOD 21A

6525-6685

AERONAUTICAL MOBILE (R)

6685-6765

AERONAUTICAL MOBILE (OR)

MOD 201A MOD 205A

REASON: Requirement is still valid.

MOD 21A For the use of carrier frequency 6204 kHz (as from 1 January 1978 to be replaced by carrier frequency 6215.5 kHz) in the zone of Region 3 south of latitude 25°S, see no. 1351P.

REASON: To delete an obsolete date.

LBE	
Region 1	Region 2
7300-8295 7500	Region 3
FIXED	
BROADCASTING	
7900-8000	
FIXED	
7900-8000	
FIXED	
MOBILE except aeronautical mobile (R)	
8000-8195	
FIXED	
MARITIME MOBILE	
8195-8615	
MARITIME MOBILE	
201A 213	
REASON: To eliminate difficult sharing problems between broadcasting and amateur services foregoing exclusive bands are proposed.	
8815-8965	
AERONAUTICAL MOBILE (R)	
8965-9040	
AERONAUTICAL MOBILE (OR)	

NOTICES

LBE	
Region 1	Region 2
9040-9500	Region 3
MOBILE except aeronautical mobile (R)	
FIXED	
9500-9775	
BROADCASTING	
9775-9995	
FIXED	
9995-10005	
STANDARD FREQUENCY	
201A 203A 214	
10005-10100	
AERONAUTICAL MOBILE (R)	
201A	
10100-10700	
FIXED	
10700-11175	
FIXED	
MOBILE except aeronautical mobile (R)	
11175-11275	
AERONAUTICAL MOBILE (OR)	
11275-11400	
AERONAUTICAL MOBILE (R)	
11400-11490 11600	
FIXED	
216	
Reason: Mobile except aeronautical mobile (R) added to specific bands to accommodate national requirements.	
11600-11700	
FIXED	
BROADCASTING	
216	

NOTICES

30.

Region 1	•	•	Region 2	•	•	Region 3
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13350-14000 13410

FIXED
RADIO ASTRONOMY
217

Reason: To meet the needs of Radio Astronomy by providing 50 KHz for use in the 10-13 MHz band.

13410-13700

MOBILE except aeronautical mobile (R)
FIXED
217

Reason: Band reduced to provide spectrum for use by Radio Astronomy in the adjacent lower band.

13700-13800

FIXED
BROADCASTING

13800-13950

FIXED

13950-14000

FIXED
AMATEUR
217

Reason: To provide additional spectrum for use by the amateur and broadcasting services.

14000-14250

AMATEUR
AMATEUR-SATELLITE

14250-14350

AMATEUR
218

14350-14490 14400

FIXED
AMATEUR

29.

Region 1	•	•	Region 2	•	•	Region 3
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11700-11975

BROADCASTING

Reason: Band reduced to expand spectrum available to the maritime mobile service.

11975-12230 12130

MOBILE except aeronautical mobile (R)
FIXED

Reason: Band reduced to expand spectrum available to the maritime mobile service.

12130-12330

FIXED
MARITIME MOBILE

Reason: To provide additional spectrum for use by the maritime mobile service.

12330-13200

MARITIME MOBILE
213

13200-13260

AERONAUTICAL MOBILE (OR)

13260-13360

AERONAUTICAL MOBILE (R)

18z

Region 1 * * Region 2 * * Region 3

14400-14600

FIXED

14600-14990

MOBILE except aeronautical mobile (R)
FIXED

Reason: The service MOBILE except aeronautical mobile (R) in the preceding bands is being added where indicated to provide for national requirements.

NOC 217 Reason: Continuing need for ISM frequency.

18z

Region 1 * * Region 2 * * Region 3

14990-15010

STANDARD FREQUENCY
201A 203A 219

15010-15100

AERONAUTICAL MOBILE (OR)

15100-15490

BROADCASTING

15490-15520

BROADCASTING
FIXED

15520-16460 15990

FIXED

Reason: Band reduced to expand spectrum available to the maritime mobile service. Broadcasting added to provide expansion of service.

16310-16310

FIXED
MOBILE except aeronautical mobile (A)

16310-16460

FIXED
MARITIME MOBILE

Reason: To provide additional spectrum for use by the maritime mobile service.

16460-17360

MARITIME MOBILE

213

17360-17390 17610

FIXED
MARITIME MOBILE

17610-17660

FIXED

Reason: Band reduced to provide additional spectrum for use by the maritime mobile service in the adjacent lower band.

34.

kHz		Region 1	Region 2	Region 3
19500-19990	FIXED			
19990-20010	STANDARD FREQUENCY 201A 203A 220			
20010-20230	FIXED MARITIME MOBILE			
20230-20400	FIXED			
20400-20700	FIXED MOBILE except aeronautical mobile (R)			
20700-20950	FIXED			
20950-21000	FIXED AMATEUR AMATEUR-SATELLITE			
21000-21450	AMATEUR AMATEUR-SATELLITE			

REASON: Fixed band reduced to provide additional spectrum for use by the amateur, amateur satellite, and maritime mobile services.

33.

kHz		Region 1	Region 2	Region 3
17650-17700	BROADCASTING FIXED			
17700-17900	BROADCASTING			
17900-17970	AERONAUTICAL MOBILE (R)			
17970-18030	AERONAUTICAL MOBILE (OR)			
18030-18052	FIXED			
18052-18068	FIXED Space Research			
18068-19999 19000	FIXED			
19000-19500	FIXED MOBILE except aeronautical mobile (R)			

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36.

Region 1	Region 2	Region 3
22000-22720	MARITIME MOBILE	
22720-23200	22855 FIXED MARITIME MOBILE	
Reason: To provide additional spectrum for use by the maritime mobile service.		
22855-23200	23000	
Reason: Band reduced to provide additional spectrum for the maritime mobile service in the adjacent lower band.		
23000-23200	FIXED MOBILE except aeronautical mobile (R)	
23200-23350	AERONAUTICAL FIXED AERONAUTICAL MOBILE (OR)	
23350-24990	MOBILE except aeronautical mobile (R) FIXED LAND MOBILE 222 222A	
24990-25010	STANDARD FREQUENCY 203A 223	
25010-25070	FIXED MOBILE except aeronautical mobile	
25070-25110	MARITIME MOBILE 224	

35.

Region 1	Region 2	Region 3
21450-21750	BROADCASTING	
21750-21850	FIXED MOBILE except aeronautical mobile (R)	
21850-21870	RADIO ASTRONOMY AERONAUTICAL MOBILE (R) 221 B	
Reason: Band for radio astronomy moved to higher in the spectrum. (See 25600-25760 kHz)		
21870-22000	AERONAUTICAL FIXED AERONAUTICAL MOBILE (R)	
Reason: To provide additional spectrum for the aeronautical mobile (R) service.		