

kHz
315 - 505

Allocation to Services		
Region 1	Region 2	Region 3
315 - 325 AERONAUTICAL RADIONAVIGATION Maritime Radionavigation (radiobeacons) 466 465 467	315 - 325 MARITIME RADIONAVIGATION (radiobeacons) 466 Aeronautical Radionavigation	315 - 325 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 466
325 - 405 AERONAUTICAL RADIONAVIGATION 465	325 - 335 AERONAUTICAL RADIONAVIGATION Aeronautical Mobile Maritime Radionavigation (radiobeacons) 335 - 405 AERONAUTICAL RADIONAVIGATION Aeronautical Mobile	325 - 405 AERONAUTICAL RADIONAVIGATION Aeronautical Mobile
405 - 415 RADIONAVIGATION 468 465	405 - 415 RADIONAVIGATION 468 Aeronautical Mobile	
415 - 435 AERONAUTICAL RADIONAVIGATION /MARITIME MOBILE/ 470 465	415 - 495 MARITIME MOBILE 470 Aeronautical Radionavigation 470A	
435 - 495 MARITIME MOBILE 470 Aeronautical Radionavigation 465 471 472A	469 469A 471 472A	
495 - 505	MOBILE (distress and calling) 472	

MOD

Reasons: VGE recommendation 1/17. Permitted category of service deleted but replaced by primary.

MOD 467

Different category of service: in the U.S.S.R. and the Black Sea areas of Bulgaria, Roumania and Turkey, the allocation of the band 315 - 325 kHz to the maritime radionavigation service is on a primary basis (~~see No. 425~~) under the following conditions that :

- a) ~~in the Black Sea and White Sea areas, the maritime radionavigation service is the primary service and the aeronautical radionavigation service is the permitted service;~~
- b) in the Baltic Sea area, the assignment of frequencies in this band to new stations in the maritime or aeronautical radionavigation services shall be subject to prior consultation between the administrations concerned.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 468

MOD 469
Mob-87

Different category of service: in Afghanistan, Australia, China, the French Overseas Territories of Region 3, India, Indonesia, the Islamic Republic of Iran, Japan, Pakistan, Papua New Guinea and Sri Lanka, the allocation of the band 415 - 495 kHz to the aeronautical radionavigation service is on a ~~permitted~~primary basis. Administrations in these countries shall take all practical steps necessary to ensure that aeronautical radionavigation stations in the band 435 - 495 kHz do not cause interference to reception by coast stations of ship stations transmitting on frequencies designated for ship stations on a world-wide basis (see No. 4237).

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 469A
Mob-87
to
472A
Mob-87

kHz
505 – 1 606.5

MOD

Allocation to Services		
Region 1	Region 2	Region 3
<p>505 – 526.5 MARITIME MOBILE 470 /AERONAUTICAL RADIONAVIGATION/</p> <hr/> <p>465 471 474 476</p> <hr/> <p>526.5 – 1 606.5 BROADCASTING</p> <hr/> <p>478</p>	<p>505 – 510 MARITIME MOBILE 470 471</p> <hr/> <p>510 – 525 MOBILE 474 AERONAUTICAL RADIONAVIGATION</p> <hr/> <p>525 – 535 BROADCASTING 477 AERONAUTICAL RADIONAVIGATION</p> <hr/> <p>535 – 1 605 BROADCASTING</p>	<p>505 – 526.5 MARITIME MOBILE 470 474 /AERONAUTICAL RADIONAVIGATION/</p> <p>Aeronautical Mobile Land Mobile</p> <hr/> <p>471</p> <hr/> <p>526.5 – 535 BROADCASTING Mobile 479</p> <hr/> <p>535 – 1 606.5 BROADCASTING</p>

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC

473
Mob-87
to
479

kHz
1 605 - 1 800

Allocation to Services		
Region 1	Region 2	Region 3
	1 605 - 1 625	
1 606.5 - 1 625 MARITIME MOBILE 480A /FIXED/ /LAND MOBILE/ 483 484	BROADCASTING 480 480A	1 606.5 - 1 800 FIXED MOBILE RADIOLOCATION RADIONAVIGATION
MOD SUP		
	1 625 - 1 705	
1 625 - 1 635 RADIOLOCATION 487 485 486	BROADCASTING 480 /FIXED/ /MOBILE/ Radiolocation 480A	
MOD		
	1 705 - 1 800	
1 635 - 1 800 MARITIME MOBILE 480A /FIXED/ /LAND MOBILE/ 483 484 488	FIXED MOBILE RADIOLOCATION AERONAUTICAL RADIONAVIGATION	482
MOD SUP		

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary. See SUP 483.

MOD 480 Orb-88 In Region 2, the use of the band 1 605 - 1 705 kHz by stations of the broadcasting service is subject to the Plan established by the Regional Administrative Radio Conference (Rio de Janeiro, 1988).

~~In Region 2, in the band 1 625 - 1 705 kHz, the relationship between the broadcasting, fixed and mobile services is shown in No. 419. However, the examination of frequency assignments to stations of the fixed and mobile services in the band 1 625 - 1 705 kHz under No. 1241 shall take account of the allotments appearing in the Plan established by the Regional Administrative Radio Conference (Rio de Janeiro, 1988).~~

Reasons: VGE recommendation 1/17. Provision No. 419 being suppressed. No. 1241 replaced by new procedures.

NOC 480A to 482

SUP 483

Reasons: VGE recommendation 1/17. Consequential to deletion of permitted category of service.

MOD 484

Some countries of Region 1 use radiodetermination systems in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz, 1 850 - 2 160 kHz, 2 194 - 2 300 kHz, 2 502 - 2 850 kHz and 3 500 - 3 800 kHz. No. 436A shall apply. ~~The establishment and operation of such systems are subject to agreement obtained under the procedure set forth in Article 14.~~ The radiated mean power of these stations shall not exceed 50 W.

Reasons: VGE recommendation 1/21. Standardized reference for Article 14 footnotes.

MOD 485

Additional allocation: in Angola, Bulgaria, Hungary, Mongolia, Nigeria, Poland, the German Democratic Republic, Chad, Czechoslovakia and the U.S.S.R., the bands 1 625 - 1 635 kHz, 1 800 - 1 810 kHz and 2 160 - 2 170 kHz are also allocated to the fixed and land mobile services on a primary basis. No. 436A shall apply. ~~subject to agreement obtained under the procedure set forth in Article 14.~~

Reasons: VGE recommendation 1/19. Standardized reference for Article 14 footnotes.

NOC 486

MOD 487

In Region 1, the establishment and operation of stations of the radiolocation service in the bands 1 625 - 1 635 kHz, 1 800 - 1 810 kHz and 2 160 - 2 170 kHz shall be subject to the provisions of No. 436A ~~agreement obtained under the procedure set forth in Article 14~~ (see also No. 486). The radiated mean power of radiolocation stations shall not exceed 50 W. Pulse systems are prohibited.

Reasons: VGE recommendation 1/21. Standardized reference for Article 14 footnotes.

NOC 488

NOC

kHz
1 800 - 2 065

NOC 489
Mob-87
to
496

kHz
2 045 – 2 501

Allocation to Services		
Region 1	Region 2	Region 3
2 045 – 2 160 MARITIME MOBILE FIXED LAND MOBILE 483 484 <hr/> 2 160 – 2 170 RADIOLOCATION 487 485 486 499		
	2 065 – 2 107 MARITIME MOBILE 497 498	
	2 107 – 2 170 FIXED MOBILE	
2 170 – 2 173.5 MARITIME MOBILE		
2 173.5 – 2 190.5 MOBILE (distress and calling) 500 500A 500B 501		
2 190.5 – 2 194 MARITIME MOBILE		
2 194 – 2 300 FIXED MOBILE except aeronautical mobile (R) 484 495 502	2 194 – 2 300 FIXED MOBILE 502	
2 300 – 2 498 FIXED MOBILE except aeronautical mobile (R) BROADCASTING 503 495 <hr/> 2 498 – 2 501 STANDARD FREQUENCY AND TIME SIGNAL (2 500 kHz)	2 300 – 2 495 FIXED MOBILE BROADCASTING 503	
	2 495 – 2 501 STANDARD FREQUENCY AND TIME SIGNAL (2 500 kHz)	

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary. See SUP 483.

NOC 497
Mob-87
to
501
Mob-87

MOD 502

Alternative allocation: in Belgium, Cyprus, Denmark, Spain, France, Greece, Iceland, Italy, Malta, Norway, the Netherlands, Portugal, the United Kingdom, Singapore, Sri Lanka, Sweden, Turkey and Yugoslavia, the band 2 194 - 2 300 kHz is allocated ~~to the maritime mobile service on a primary basis and to the fixed and land-mobile~~ except aeronautical mobile services on a permitted primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 503

NOC

kHz
2 501 - 3 230

MOD 504

Alternative allocation: in Belgium, Cyprus, Denmark, Spain, France, Greece, Iraq, Italy, Malta, Norway, the Netherlands, Portugal, the United Kingdom, Sweden, Turkey and Yugoslavia, the band 2 502 - 2 625 kHz is allocated ~~to the maritime mobile service on a primary basis and to the fixed and land-mobile~~ except aeronautical mobile services on a permitted primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 505
Mob-87
and
506

MOD 507

Alternative allocation: in Belgium, Cameroon, Cyprus, the Ivory Coast, Denmark, Egypt, Spain, France, Greece, Iceland, Italy, Liberia, Malta, Norway, the Netherlands, the United Kingdom, Singapore, Sri Lanka, Sweden, Togo, Turkey and Yugoslavia, the band 3 155 - 3 200 kHz is allocated ~~to the maritime mobile service on a primary basis and to the fixed and land-mobile~~ except aeronautical mobile services on a permitted primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC

kHz
3 230 - 4 063

NOC 508
to
512

MOD 513 *Alternative allocation:* in Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia and Zimbabwe, the band 3 900 - 3 950 kHz is allocated to the broadcasting service on a primary basis. No. 436A shall apply. ~~The use of this band by the broadcasting service is subject to agreement obtained under the procedure set forth in Article 14 with neighbouring countries having services operating in accordance with the Table.~~

Reasons: VGE recommendation 1/21. Standardized reference for Article 14 footnotes. See also Part A, comments under 3.1.37.

NOC 514
to
517

NOC kHz
4 063 – 5 450

NOC 518
WARC-92
to
521

NOC kHz
5 450 – 7 000

NOC 521A
WARC-92
to
523
Mob-87

MOD 524 The following bands:
6 765 - 6 795 kHz (centre frequency 6 780 kHz),
433.05 - 434.79 MHz (centre frequency 433.92 MHz) in Region 1 except in the countries mentioned in No. 662.
61 - 61.5 GHz (centre frequency 61.25 GHz),
122 - 123 GHz (centre frequency 122.5 GHz), and
244 - 246 GHz (centre frequency 245 GHz)
is ~~are~~ designated for industrial, scientific, and medical (ISM) applications and shall be subject to special authorization by the administration concerned, in agreement with other administrations whose radiocommunication services might be affected. In applying this provision, administrations shall have due regard to the latest relevant ITU-R Recommendations.

Reasons: VGE recommendation 1/24. Consolidation of like footnotes.

NOC 525

NOC kHz
7 000 - 9 995

NOC 526
to
531
HFBC-87

NOC kHz
9 995 - 12 230

NOC kHz
12 230 - 14 350

NOC 532
WARC-92

MOD 533

In making assignments to stations of other services to which the bands

<u>13 360 - 13 410 kHz,</u>	<u>4 825 - 4 835 MHz*,</u>	<u>93.07 - 93.27 GHz*,</u>
<u>25 550 - 25 670 kHz,</u>	<u>4 950 - 4 990 MHz,</u>	<u>97.88 - 98.08 GHz*,</u>
<u>37.5 - 38.25 MHz,</u>	<u>4 990 - 5 000 MHz,</u>	<u>140.69 - 140.98 GHz*,</u>
<u>73 - 74.6 MHz in</u> <u>Regions 1 and 3,</u>	<u>10.6 - 10.68 GHz,</u>	<u>144.68 - 144.98 GHz*,</u>
<u>79.75 - 80.25 MHz in</u> <u>Region 3,</u>	<u>14.47 - 14.5 GHz*,</u>	<u>145.45 - 145.75 GHz*,</u>
<u>150.05 - 153 MHz in</u> <u>Region 1,</u>	<u>22.01 - 22.21 GHz*,</u>	<u>146.82 - 147.12 GHz*,</u>
<u>322 - 328.6 MHz,</u>	<u>22.21 - 22.5 GHz,</u>	<u>150 - 151 GHz*,</u>
<u>406.1 - 410 MHz,</u>	<u>22.81 - 22.86 GHz*,</u>	<u>174.42 - 175.02 GHz*,</u>
<u>608 - 614 MHz in</u> <u>Regions 1 and 3,</u>	<u>23.07 - 23.12 GHz,</u>	<u>177 - 177.4 GHz*,</u>
<u>1 330 - 1 400 MHz*,</u>	<u>31.2 - 31.3 GHz*,</u>	<u>178.2 - 178.6 GHz*,</u>
<u>1 610.6 - 1 613.8 MHz,</u>	<u>31.5 - 31.8 GHz in</u> <u>Regions 1 and 3,</u>	<u>181 - 181.46 GHz*,</u>
<u>1 660 - 1 670 MHz,</u>	<u>36.43 - 36.5 GHz*,</u>	<u>186.2 - 186.6 GHz,</u>
<u>1 718.8 - 1 722.2 MHz*,</u>	<u>42.77 - 42.87 GHz*,</u>	<u>250 - 251 GHz*,</u>
<u>2 655 - 2 690 MHz,</u>	<u>43.07 - 43.17 GHz*,</u>	<u>257.5 - 258 GHz*,</u>
<u>3 260 - 3 267 MHz*,</u>	<u>43.37 - 43.47 GHz*,</u>	<u>261 - 265 GHz,</u>
<u>3 332 - 3 339 MHz*,</u>	<u>48.94 - 49.04 GHz*,</u>	<u>262.24 - 262.76 GHz*,</u>
<u>3 345.8 - 3 352.5 MHz*,</u>		<u>265.64 - 266.16 GHz*,</u>

is are allocated (* indicates radio astronomy use for spectral line observations), administrations are urged to take all practicable steps to protect the radio astronomy service from harmful interference. Emissions from space- or airborne stations can be particularly serious sources of interference to the radio astronomy service (see Nos. 343 and 344 and Article 36).

Reasons: VGE recommendation 1/23. Consolidation of like footnotes.

MOD 534

The following bands:

13 533 - 13 567 kHz (centre frequency 13 560 kHz),
26 957 - 27 283 kHz (centre frequency 27 120 kHz),
40.66 - 40.70 MHz (centre frequency 40.68 MHz),
902 - 928 MHz in Region 2 (centre frequency 915 MHz),
2 400 - 2 500 MHz (centre frequency 2 450 MHz),
5 725 - 5 875 MHz (centre frequency 5 800 MHz, and
24 - 24.25 GHz (centre frequency 24.125 GHz)

are also designated for industrial, scientific, and medical (ISM) applications. Radiocommunication Services operating within these bands must accept harmful interference which may be caused by these applications. ISM equipment operating in these bands is subject to the provisions of No. 1815.

Reasons: VGE recommendation 1/24. Consolidation of like footnotes.

NOC 534A
WARC-92
and
535

NOC kHz
14 350 - 18 030

NOC 536
to
538

NOC kHz
18 030 - 21 000

kHz
21 000 – 24 890

Allocation to Services		
Region 1	Region 2	Region 3
MOD	21 000 – 21 450	AMATEUR 510 AMATEUR-SATELLITE
	21 450 – 21 850	BROADCASTING 531
	21 850 – 21 870	FIXED 539
MOD	21 870 – 21 924	AERONAUTICAL FIXED
	21 924 – 22 000	AERONAUTICAL MOBILE (R)
	22 000 – 22 855	MARITIME MOBILE 520B 540
	22 855 – 23 000	FIXED 540
MOD	23 000 – 23 200	FIXED Mobile except aeronautical mobile (R) 540
	23 200 – 23 350	AERONAUTICAL FIXED AERONAUTICAL MOBILE (OR)
	23 350 – 24 000	FIXED MOBILE except aeronautical mobile 541 542
	24 000 – 24 890	FIXED LAND MOBILE 542

Reasons: VGE recommendation 1/18. Deletion of the aeronautical fixed service.

MOD 539

Alternative/Additional allocation: in Bulgaria, Hungary, Mongolia, Poland, Czechoslovakia and the U.S.S.R., the band 21 850 - 21 870 kHz is also allocated to the ~~aeronautical fixed~~ and the aeronautical mobile (R) service on a primary basis.

Reasons: VGE recommendation 1/18. Deletion of the aeronautical fixed service.

NOC 540
to
542

kHz
24 890 - 27 500

Allocation to Services		
Region 1	Region 2	Region 3
24 890 – 24 990	AMATEUR 510 AMATEUR-SATELLITE 542	
24 990 – 25 005	STANDARD FREQUENCY AND TIME SIGNAL (25 000 kHz)	
25 005 – 25 010	STANDARD FREQUENCY AND TIME SIGNAL Space Research	
25 010 – 25 070	FIXED MOBILE except aeronautical mobile	
25 070 – 25 210	MARITIME MOBILE	
25 210 – 25 550	FIXED MOBILE except aeronautical mobile	
25 550 – 25 670	RADIO ASTRONOMY <u>533 545</u>	
25 670 – 26 100	BROADCASTING	
26 100 – 26 175	MARITIME MOBILE 520B	
26 175 – 27 500	FIXED MOBILE except aeronautical mobile <u>534546</u>	

MOD

MOD

Reasons: See MOD 533.
See MOD 534.

NOC

543
and
544
WARC-92

MOD

545

The band 25 550 - 25 600 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis subject to the procedure described in Resolution 8. The use of this band by the radio astronomy service shall be subject to the completion of the satisfactory transfer of all assignments to stations in the fixed and mobile, except aeronautical mobile, services operating in this band and recorded in the Master Register, in accordance with the procedure described in Resolution 8. The band 25 600 - 25 670 kHz is allocated to the broadcasting service on a primary basis, subject to provisions to be established by the world administrative radio conference for the planning of HF bands allocated to the broadcasting service (see Resolution 508). ~~After completion of all the above mentioned provisions, all emissions capable of causing harmful interference to the radio astronomy service in the band 25 550 – 25 670 kHz shall be avoided.~~ The use of passive sensors by other services will also be authorized.

Reasons: Covered in MOD 533.

Note - The VGE understands that the procedures of Resolution 8 in relation to this frequency band have been completed and that WRC-95 may consider deletion of No. 545.

SUP 546

Reasons: Covered in MOD 534.

MHz
27.5 - 40.98

Allocation to Services		
Region 1	Region 2	Region 3
27.5 — 28	METEOROLOGICAL AIDS FIXED MOBILE	
28 — 29.7	AMATEUR AMATEUR-SATELLITE	
29.7 — 30.005	FIXED MOBILE	
30.005 — 30.01	SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH	
30.01 — 37.5	FIXED MOBILE	
37.5 — 38.25	FIXED MOBILE Radio Astronomy <u>533547</u>	
38.25 — 39.986	FIXED MOBILE	
39.986 — 40.02	FIXED MOBILE Space Research	
40.02 — 40.98	FIXED MOBILE <u>534548</u>	

MOD

MOD

Reasons: See MOD 533.
See MOD 534.

SUP 547

Reasons: Covered in MOD 533.

SUP 548

Reasons: Covered in MOD 534.

NOC

MHz
40.98 - 68

NOC 549
to
553

MOD 554
Mob-87

Additional allocation: in Albania, the Federal Republic of Germany, Austria, Belgium, Bulgaria, Côte d'Ivoire, Denmark, Spain, Finland, France, Gabon, Greece, Ireland, Israel, Italy, Jordan, Lebanon, Lybia, Liechtenstein, Luxembourg, Madagascar, Mali, Malta, Morocco, Mauritania, Monaco, Nigeria, Norway, the Netherlands, Poland, the German Democratic Republic, the United Kingdom, Senegal, Sweden, Switzerland, Swaziland, Syria, Togo, Tunisia, Turkey and Yugoslavia, the band 47 - 68 MHz and in Romania, the band 47 - 58 MHz, are also allocated to the land mobile service on a permitted primary basis. However, stations of the land mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause harmful interference to, or claim protection from, existing or planned broadcasting stations of countries other than those mentioned in connection with the band.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

MOD 555

Additional allocation: in Angola, Cameroon, the Congo, Madagascar, Mozambique, Somalia, Sudan, Tanzania and Chad, the band 47 - 68 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a permitted primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 556
to
562

NOC 569
WARC-92
to
572
WARC-92

MOD 572A
Mob-87

Additional allocation: in Afghanistan, the Federal Republic of Germany, Austria, Belgium, Cyprus, Denmark, Egypt, Spain, France, Greece, Israel, Italy, Japan, Jordan, Lebanon, Malta, Morocco, Monaco, Norway, the Netherlands, Portugal, the United Kingdom, Sweden, Switzerland, Syria and Turkey, the band 74.8 - 75.2 MHz is also allocated to the mobile service on a secondary basis. No. 436A shall apply ~~subject to agreement obtained under the procedure set forth in Article 14.~~ In order to ensure that harmful interference is not caused to stations of the aeronautical radionavigation service, stations of the mobile service shall not be introduced in the band until it is no longer required for the aeronautical radionavigation service by any administration which may be identified in the application of ~~Article 14.~~ the procedure invoked under No. 436A.

Reasons: VGE recommendation 1/19. Standardized reference for Article 14 footnotes.

MHz
75.2 - 137

Allocation to Services		
Region 1	Region 2	Region 3
75.2 — 87.5 FIXED MOBILE except aeronautical mobile <hr/> 565 571 575 578 <hr/> 87.5 — 100 BROADCASTING 581	75.2 — 75.4 FIXED MOBILE 571	
	75.4 — 76 FIXED MOBILE	75.4 — 87 FIXED MOBILE
	<hr/> 76 — 88 BROADCASTING Fixed Mobile 576	<hr/> 533 573 574 577 579 <hr/> 87 — 100 FIXED MOBILE BROADCASTING
	<hr/> 88 — 100 BROADCASTING	<hr/> 580
100 — 108	BROADCASTING 584 585 586 587 588 589	
108 — 117.975	AERONAUTICAL RADIONAVIGATION 590A	
117.975 — 136	AERONAUTICAL MOBILE (R) 501 591 592 593 594	
136 — 137	AERONAUTICAL MOBILE (R) Fixed Mobile except aeronautical mobile (R) 591 594A 595	

MOD

Reasons: See MOD 577.

NOC 573
to
576

MOD 577

Additional allocation: In Region 3 (except in the Republic of Korea, India, Japan, Malaysia, the Philippines, Singapore and Thailand), the band 79.75 - 80.25 MHz is also allocated to the radio astronomy service on a primary basis. In making assignments to stations of other services, administrations are urged to take all practicable steps in the band to protect the radio astronomy service from harmful interference. Emissions

~~from space or airborne stations can be particularly serious sources of interference to the radio astronomy service (see Nos. 343 and 344 and Article 36).~~

Reasons: VGE recommendation 1/23. Modified 533 is added to this band to cover suppressed text.

NOC 578
to
580

MOD 581
WARC-92 *Additional allocation:* in the Federal Republic of Germany, France, Ireland, Israel, Italy, Liechtenstein, Monaco, the United Kingdom and Switzerland, the band 87.5 - 88 MHz is also allocated to the land mobile service on a permitted primary basis. No. 436 shall apply, and ~~subject to agreement obtained under the procedure set forth in Article 14.~~

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary. VGE recommendation 1/19. Standardized reference for Article 14 footnotes.

NOC 582
WARC-92
to
584

MOD 585 *Additional allocation:* in China, the Republic of Korea, the Philippines and Singapore, the band 100 - 108 MHz is also allocated to the fixed and mobile services on a permitted primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 586

MOD 587
WARC-92 *Additional allocation:* in Bulgaria, Israel, Kenya, Lebanon, Mongolia, the German Democratic Republic, the United Kingdom, Somalia, Syria, Czechoslovakia, Turkey and the USSR, the band 104 - 108 MHz is also allocated to the mobile, except aeronautical mobile (R), service on a permitted primary basis until 31 December 1995 and, thereafter, on a secondary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

MOD 588 *Additional allocation:* in Finland and Yugoslavia, the band 104 - 108 MHz is also allocated to the fixed service on a permitted primary basis, until 31 December 1995. The effective radiated power of any station shall not exceed 25 W.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

MOD 589
Mob-87 *Additional allocation:* in France, Romania, Sweden and Yugoslavia, the band 104 - 108 MHz is also allocated to the mobile, except aeronautical mobile (R), service on a permitted primary basis until 31 December 1995.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 590
Mob-87

MOD 590A
Mob-87

Additional allocation: in Afghanistan, the Federal Republic of Germany, Austria, Cyprus, Denmark, Egypt, Spain, France, Israel, Italy, Japan, Jordan, Lebanon, Malta, Morocco, Monaco, Norway, Pakistan, Portugal, the United Kingdom, Sweden, Switzerland, Syria and Turkey, the band 108 - 111.975 MHz is also allocated to the mobile service on a secondary basis. No. 436A shall apply, subject to agreement obtained under the procedure set forth in Article 14. In order to ensure that harmful interference is not caused to stations of the aeronautical radionavigation service, stations of the mobile service shall not be introduced in the band until it is no longer required for the aeronautical radionavigation service by any administrations which may be identified in the application of Article 14 of the procedure invoked under No. 436A.

Reasons: VGE recommendation 1/19. Standardized reference for Article 14 footnotes.

MOD 591

~~Subject to agreement obtained under the procedure set forth in Article 14, the band 117.975 - 137 MHz is also allocated to the aeronautical mobile-satellite (R) service on a secondary basis. No. 436A shall apply, and on the condition that harmful interference is not caused to the aeronautical mobile (R) service.~~

Reasons: VGE recommendation 1/21. Standardized reference for Article 14 footnotes. Deletion of redundant text.

NOC 592
Mob-83
and
593
Mob-87

MOD 594

Additional allocation: in Angola, Bulgaria, Hungary, Iran, Iraq, Japan, Mongolia, Mozambique, Papua New Guinea, Poland, the German Democratic Republic, Roumania, Czechoslovakia and the U.S.S.R., the band 132 - 136 MHz is also allocated to the aeronautical mobile (OR) service on a ~~permitted~~primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

MOD 594A
Mob-87

Different category of service: as from 1 January 1990, in Bulgaria, Poland, the German Democratic Republic, Roumania, Czechoslovakia, Turkey and the USSR, the allocation of the band 136 - 137 MHz to the aeronautical mobile (OR) service is on a ~~permitted~~primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 595
Mob-87

NOC MHz
137 - 138

NOC 596
WARC-92
to
599B
WARC-92

MHz
138 - 144

Allocation to Services			
	Region 1	Region 2	Region 3
MOD	138 — 143.6 AERONAUTICAL MOBILE (OR) 600 601 602 604	138 — 143.6 FIXED MOBILE /RADIOLOCATION/ Space Research (space-to-Earth)	138 — 143.6 FIXED MOBILE Space Research (space-to-Earth) 599 603
MOD	143.6 — 143.65 AERONAUTICAL MOBILE (OR) SPACE RESEARCH (space-to-Earth) 601 602 604	143.6 — 143.65 FIXED MOBILE SPACE RESEARCH (space-to-Earth) /RADIOLOCATION/	143.6 — 143.65 FIXED MOBILE SPACE RESEARCH (space-to-Earth) 599 603
MOD	143.65 — 144 AERONAUTICAL MOBILE (OR) 600 601 602 604	143.65 — 144 FIXED MOBILE /RADIOLOCATION/ Space Research (space-to-Earth)	143.65 — 144 FIXED MOBILE Space Research (space-to-Earth) 599 603

Reasons: VGE recommendation 1/17. Permitted category of service deleted, but replaced by primary.

NOC 600
to
604
WARC-92

NOC **MHz**
144 - 150.05

NOC **605**
to
607

MOD **608**

~~Subject to agreement obtained under the procedure set forth in Article 14,~~ The band 148 - 149.9 MHz may be used by the space operation service (Earth-to-space). No. 436A shall apply. The bandwidth of an individual transmission shall not exceed ± 25 kHz.

Reasons: VGE recommendation 1/21. Standardized reference for Article 14 footnotes.

NOC **608A**
WARC-92
to
609B
WARC-92

MHz
150.05 - 174

Allocation to Services		
Region 1	Region 2	Region 3
150.05 — 153 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 533640	150.05 — 156.7625 FIXED MOBILE	
153 — 154 FIXED MOBILE except aeronautical mobile (R) Meteorological Aids		
154 — 156.7625 FIXED MOBILE except aeronautical mobile (R) 613 613A	611 613 613A	
156.7625 — 156.8375	MARITIME MOBILE (distress and calling) 501 613	
156.8375 — 174 FIXED MOBILE except aeronautical mobile 613 613B 615	156.8375 — 174 FIXED MOBILE 613 616 617 618	

MOD

Reasons: See MOD 533.

SUP 610

Reasons: Covered in MOD 533.

NOC 611
to
613A
Mob-87

- MOD 613B *Additional allocation:* in Ireland and in the United Kingdom, the
Mob-87 band 161.3875 - 161.4125 MHz is also allocated to the maritime
radionavigation service on a primary basis. No. 436A shall apply, ~~subject
to agreement obtained under the procedure set forth in Article 14.~~
Reasons: VGE recommendation 1/19. Standardized reference for
Article 14 footnotes.
- NOC 614
WARC-92
and
615
- MOD 616 *Additional allocation:* in China, the band 163 - 167 MHz is also
allocated to the space operation service (space-to-Earth) on a primary
basis. No. 436A shall apply, ~~subject to agreement obtained under the
procedure set forth in Article 14.~~
Reasons: VGE recommendation 1/19. Standardized reference for
Article 14 footnotes.
- NOC 617
and
618
- NOC MHz
174 - 235
- MOD 619 *Additional allocation:* in China, the band 174 - 184 MHz is also
allocated to the space research (space-to-Earth) and the space operation
(space-to-Earth) services on a primary basis. No. 436A shall apply, ~~subject
to agreement obtained under the procedure set forth in Article 14.~~ These
services shall not cause harmful interference to, or claim protection from,
existing or planned broadcasting stations.
Reasons: VGE recommendation 1/19. Standardized reference for
Article 14 footnotes.
- NOC 620
- MOD 621 *Additional allocation:* in the Federal Republic of Germany,
WARC-92 Austria, Belgium, Denmark, Spain, Finland, France, Israel, Italy,
Liechtenstein, Malta, Monaco, Norway, the Netherlands, the United
Kingdom, Sweden, and Switzerland, the band 174 - 223 MHz is also
allocated to the land mobile service on a ~~permitted~~ primary basis. However,
the stations of the land mobile service shall not cause harmful interference
to, or claim protection from, broadcasting stations, existing or planned, in
countries other than those listed in this footnote.
Reasons: VGE recommendation 1/17. Permitted category of service
deleted but replaced by primary.
- MOD 622 *Different category of service:* In the Federal Republic of
WARC-92 Germany, Austria, Belgium, Denmark, Spain, Finland, France, Israel, Italy,

Liechtenstein, Luxembourg, Malta, Monaco, Norway, the Netherlands, Portugal, the United Kingdom, Sweden and Switzerland, the band 223 - 230 MHz is allocated to the land mobile service on a permitted primary basis (see No. 425). However, the stations of the land mobile service shall not cause harmful interference to, or claim protection from, broadcasting stations, existing or planned, in countries other than those listed in this footnote.

Reasons: VGE recommendation 1/17. Permitted category of service deleted but replaced by primary.

NOC 623
to
630

MOD 631

Different category of service: in Spain and Portugal, the band 223 - 230 MHz is allocated to the fixed service on a permitted primary basis (see No. 425). Stations of this service shall not cause harmful interference to, or claim protection from, broadcasting stations of other countries, whether existing or planned, that operate in accordance with the Table.

Reasons: VGE recommendation 1/17. Permitted category of service deleted but replaced by primary.

MOD 632

Additional allocation: in Saudi Arabia, Bahrain, the United Arab Emirates, Israel, Jordan, Oman, Qatar and Syria, the band 223 - 235 MHz is also allocated to the aeronautical radionavigation service on a permitted primary basis.

Reasons: VGE recommendation 1/17. Permitted category of service deleted but replaced by primary.

NOC 633
and
634
WARC-92

MOD 635
WARC-92

Alternative allocation: in Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia and Zimbabwe, the bands 223 - 238 MHz and 246 - 254 MHz are allocated to the broadcasting service on a primary basis. No. 436A shall apply, subject to agreement obtained under the procedure set forth in Article 14.

Reasons: VGE recommendation 1/21. Standardized reference for Article 14 footnotes. See also Part A, comments in 3.1.37.

NOC 636
and
637

MOD 638

Additional allocation: in Nigeria, the band 230 - 235 MHz is also allocated to the aeronautical radionavigation service on a primary basis. No. 436A shall apply, subject to agreement obtained under the procedure set forth in Article 14.

Reasons: VGE recommendation 1/19. Standardized reference for Article 14 footnotes.