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| **World Radiocommunication Conference (WRC-19)Sharm el-Sheikh, Egypt, 28 October – 22 November 2019** |  |
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| PLENARY MEETING | **Addendum 4 toDocument 4-E** |
|  | **9 September 2019** |
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| Director, Radiocommunication Bureau |
| REPORT OF THE DIRECTOR ON THE ACTIVITIES OF THE RADIOCOMMUNICATION SECTORPART 4MANAGEMENT OF THE MMSI NUMBERING RESOURCE (ISSUES REFERRED TO IN RESOLUTION 344 (REV.WRC-12) AND OTHER RELATED ISSUES) |

# 1 Introduction

This document summarizes the information related to the management and evolution of the MMSI numbering resource since WRC‑15 as instructed by Resolution **344 (Rev.WRC‑12)**.

# 2 Use of Maritime Identification Digits (MID)

2.1 The three digit MID is an integral part of the 9 digit maritime mobile service identity (MMSI) numbering system. MMSIs are assigned to stations in the maritime mobile and the maritime mobile-satellite services. They have been designed to meet the long-term requirements for establishment of a unique ship identity for both safety and telecommunication purposes, in a large variety of automated radiocommunication systems (e.g. with Digital Selective Calling (DSC) equipment at MF, HF and VHF; with NBDP equipment in accordance with Recommendation ITU‑R M.625, with maritime satellite equipment), and within the GMDSS. However, the previous restrictions in the public switched networks in some countries (whose national networks were not able to transmit more than six digits of the MMSI) and the design specifications of some radiocommunication systems (whose number-translation algorithms were not able to handle nine significant digits), imposed some limitations on administrations in assigning MMSI numbers to ships carrying alerting devices of the GMDSS and participating in different maritime radio services. This led to a situation where some administrations used to assign, on a systematic basis, only MMSI numbers with three trailing zeros, thus reducing the capacity of the relevant MID by a factor of 1 000.

Recently, WP 5B has come to the conclusion that the above restrictions do not exist any longer. It subsequently revised Recommendation ITU-R 585-7 in May 2019 by deleting the three trailing zeros provisions. SG 5 adopted this revised Recommendation at its September 2019 meeting and submitted it to the Radio Assembly, 2019. Once the Radio Assembly approves revised Recommendation ITU-R 585-7, the limitations of three trailing zeros will be removed, thus increasing the capacity of the MMSI resource.

2.2 The number of requests for additional MIDs remain considerable, bearing in mind the requirements for mandatory carriage of alerting devices of the GMDSS and the ever-increasing number of licensed ship earth stations. However, some of these requests were not fully justified, as the conditions stipulated in the Radio Regulations, concerning the eligibility for additional MIDs, were not satisfied. Administrations were advised to review their assignment schemes so as to make optimum use of the possibilities of forming identities from the available MIDs, thus preserving the capacity of the numbering plan.

2.3 The Bureau wishes to report that there is no shortage yet in MIDs in any part of the world. However, the situation may change in some regions if a significant number of administrations reach the status of saturation in the assignment of MMSI numbers based on the currently allocated MIDs. In addition, the implementation of new technologies related to protection of the maritime environment, safety and security at sea may increase the usage of MMSI and result in the further depletion of MIDs.

# 3 Status of allocations of MIDs and MMSI assignments

3.1 In the period between the establishment of the Report to WRC‑15 (June 2015) and the date of preparation of this Report, two MIDs (Nos. 471 and 550) have been allocated to two administrations. Thus, the total number of MIDs allocated to administrations amounts to 292, which now represent 61.60% of the 474 MID combinations currently available for allocation (WRC‑15: 61.18%).

3.2 In addition, based on Recommendation ITU‑R M.585-7 approved in March 2015, MIDs 970, 972 and 974 are allocated for formation of freeform number identities for some specific maritime radio equipment, namely automatic identification system-search and rescue transponder (AIS-SART), man overboard devices (MOB) and emergency position indicating radio beacon-automatic identification system (EPIRB-AIS). These 3 MIDs were taken from the “900” series of MID numbering resource, which had been reserved for satisfying future requirements of administrations in MIDs.

3.3 In the period between June 2015 and July 2019, the total of MMSI numbers that have been notified to the Bureau and which were recorded in the ITU’s maritime database has increased by 22.01% (from 523 118 to 638 246 records). It is to be noted that, in July 2019, there were 55 595 cases (8.71%) in the category of MMSI numbers with three trailing zeros, while in June 2015 the percentage of notified MMSI numbers with three trailing zeros was 10.48%.

3.4 Details regarding the assigned MMSI numbers that have been notified to the Bureau are given in the Annex to this document.

# 4 Use and notification of MMSI for equipment other than shipborne mobile equipment

4.1 The possibility for administrations to assign MMSI to Search and Rescue (SAR) aircraft, automatic identification system (AIS) Aids to Navigation (AtoN), and craft associated with a parent ship is described in Annex 1 of Recommendation ITU‑R M.585-7, which is incorporated by reference in the Radio Regulations.

4.2 By the time of preparation of this Report, the Bureau received and recorded 97 MMSI numbers assigned to SAR aircraft for 12 administrations and 2132 MMSI numbers assigned to AtoNs for 27 administrations. Based on these statistics, it can be concluded that there is no shortage yet in the MMSI numbering resource for the equipment other than shipborne mobile equipment.

Annex

Statistical data concerning the notified use of Maritime Identification Digits
(June 2015 – August 2019)

| Name | MID | Number of MMSI recorded(June 2015) | Recorded with three trailing zeros(June 2015) | Number of MMSI recorded(August 2019) | Recorded with three trailing zeros(August 2019) |
| --- | --- | --- | --- | --- | --- |
| Afghanistan | 401 | - | - | - | - |
| Albania (Republic of) | 201 | - | - | - | - |
| Algeria (People’s Democratic Republic of) | 605 | 493 | 0 | 514 | 0 |
| Andorra (Principality of) | 202 | - | - | 1 | 0 |
| Angola (Republic of) | 603 | - | - | - | - |
| Antigua and Barbuda | 304305 | 514640 | 396640 | 389506 | 310506 |
| Argentine Republic | 701 | 1036 | 84 | 1 171 | 98 |
| Armenia (Republic of) | 216 | 1 | 1 | 1 | 1 |
| Australia | 503 | 1734 | 283 | 2 642 | 226 |
|  Christmas Island (Indian Ocean) | 516 | - | - | - | - |
|  Cocos (Keeling) Islands | 523 | - | - | - | - |
| Austria | 203 | 1 846 | 15 | 2 255 | 8 |
| Azerbaijani Republic | 423 | 267 | - | 304 | 0 |
| Bahamas (Commonwealth of the) | 308309311 | 248242928 | 247242347 | 1932071 047 | 193207272 |
| Bahrain (Kingdom of) | 408 | 446 | 446 | 518 | 518 |
| Bangladesh (People’s Republic of) | 405 | - | - | - | - |
| Barbados | 314 | 107 | 105 | 138 | 132 |
| Belarus (Republic of) | 206 | 1 | 1 | 1 | 1 |
| Belgium | 205 | 12 762 | 584 | 20 131 | 668 |
| Belize | 312 | 40 | 40 | 37 | 37 |
| Benin (Republic of) | 610 | 1 | - | 5 | 0 |
| Bhutan (Kingdom of) | 410 | - | - | - | - |
| Bolivia (Plurinational State of) | 720 | 80 | 80 | 29 | 29 |
| Bosnia and Herzegovina | 478 | - | - | - | - |
| Botswana (Republic of) | 611 | - | - | - | - |
| Brazil (Federative Republic of) | 710 | 844 | 94 | 3 335 | 66 |
| Brunei Darussalam | 508 | 22 | 17 | 138 | 24 |
| Bulgaria (Republic of) | 207 | 59 | 50 | 56 | 47 |
| Burkina Faso | 633 | - | - | - | - |
| Burundi (Republic of) | 609 | - | - | - | - |
| Cambodia (Kingdom of) | 514515 | 474611 | 474611 | 474604 | 474604 |
| Cameroon (Republic of) | 613 | 2 | 0 | 2 | 0 |
| Canada | 316 | 27 013 | 243 | 36 462 | 262 |
| Cabo Verde (Republic of) | 617 | 30 | 29 | 38 | 37 |
| Central African Republic | 612 | - | - | - | - |
| Chad (Republic of) | 670 | - | - | - | - |
| Chile | 725 | 670 | 6 | 687 | 6 |
| China (People’s Republic of) | 412413414 | 14 34913 470211 | 603860211 | 14 61719 617821 | 503788420 |
|  Hong Kong (Special Administrative Region of China) | 477 | 2 812 | 266 | 3 824 | 136 |
|  Macao (Special Administrative Region of China) | 453 | - | - | 1 | 0 |
|  Taiwan (Province of China) | 416 | - | - | - | - |
| Colombia (Republic of) | 730 | 1 | 0 | 1 | 0 |
| Comoros (Union of the) | 616620 | 538- | 527- | 517134 | 501131 |
| Congo (Republic of the) | 615 | - | - | - | - |
| Costa Rica | 321 | - | - | 1 | 0 |
| Côte d’Ivoire (Republic of) | 619 | - | - | - | - |
| Croatia (Republic of) | 238 | 6 920 | 97 | 7 009 | 89 |
| Cuba | 323 | 24 | 24 | 24 | 24 |
| Cyprus (Republic of) | 209210212 | 355400446 | 339399401 | 467304443 | 465304397 |
| Czech Republic | 270 | - | - | - | - |
| Democratic People’s Republic of Korea | 445 | 245 | 245 | 253 | 253 |
| Democratic Republic of the Congo | 676 | 4 | 4 | 4 | 4 |
| Denmark | 219220 | 17 036538 | 595411 | 21 041473 | 623352 |
|  Faroe Islands | 231 | 262 | 253 | 323 | 301 |
|  Greenland | 331 | 722 | 337 | 836 | 395 |
| Djibouti (Republic of) | 621 | 5 | 1 | 5 | 1 |
| Dominica (Commonwealth of) | 325 | 134 | 134 | 331 | 287 |
| Dominican Republic | 327 | - | - | - | - |
| Ecuador | 735 | 4 | - | 3 | 0 |
| Egypt (Arab Republic of) | 622 | 268 | - | 280 | 0 |
| El Salvador (Republic of) | 359 | - | - | - | - |
| Equatorial Guinea (Republic of) | 631 | 3 | 2 | 4 | 2 |
| Eritrea | 625 | 7 | 7 | 7 | 7 |
| Estonia (Republic of) | 276 | 64 | 64 | 61 | 60 |
| Eswatini (Kingdom of) | 669 | - | - | - | - |
| Ethiopia (Federal Democratic Republic of) | 624 | 9 | 9 | 8 | 8 |
| Fiji (Republic of) | 520 | - | - | - | - |
| Finland | 230 | 1145 | 165 | 1 569 | 175 |
| France | 226227228329635 | 14147 6701 235169 | 14030732000 | 12664 3151 365148 | 12427931900 |
|  Adelie Land | 501 | - | - | - | - |
|  Crozet Archipelago | 618 | - | - | 0 | 0 |
|  French Polynesia | 226227228546 | 318101004 | 3264 | 2971 245 | 2033 |
|  Guadeloupe (French Department of) | 227228329 | 8231072 | 101 | 7311 422 | 001 |
|  Guiana (French Department of) | 227228745 | -2158 | -01 | 10208 | 000 |
|  Kerguelen Islands | 226227618635 | 1228 | 1205 | 11111 | 1106 |
|  Martinique (French Department of) | 227228329347 | 413-1127 | 21-1 | 31221 391 | 0101 |
|  New Caledonia | 227228540 | 14933 | 0014 | 111 359 | 0014 |
|  Reunion (French Department of) | 226227228347660 | 266-480 | 211-2 | 0241591 | 00102 |
|  Saint Paul and Amsterdam Islands | 607 | - | - | - | - |
|  Saint Pierre and Miquelon (Territorial Collectivity of) | 227228361 | 4144 | 00- | 3168 | 001 |
|  Wallis and Futuna Islands | 227578 | 29 | 20 | 214 | 20 |
| Gabonese Republic | 626 | - | - | - | - |
| Gambia (Republic of the) | 629 | 3 | 1 | 3 | 1 |
| Georgia | 213 | 51 | 51 | 124 | 123 |
| Germany (Federal Republic of) | 211218 | 45 283169 | 246169 | 51 497164 | 216164 |
| Ghana | 627 | 111 | 101 | 111 | 101 |
| Greece | 237239240241 | 6 1894 672666280 | 413423666280 | 6 0255 3481 411465 | 391373590465 |
| Grenada | 330 | 1 | 0 | 1 | 0 |
| Guatemala (Republic of) | 332 | - | - | - | - |
| Guinea (Republic of) | 632 | 4 | 1 | 11 | 1 |
| Guinea-Bissau (Republic of) | 630 | - | - | - | - |
| Guyana | 750 | 31 | 0 | 43 | 0 |
| Haiti (Republic of) | 336 | - | - | - | - |
| Honduras (Republic of) | 334 | 578 | 576 | 579 | 577 |
| Hungary (Republic of) | 243 | 549 | 2 | 569 | 2 |
| Iceland | 251 | 2 113 | 85 | 2 129 | 90 |
| India (Republic of) | 419 | 548 | 204 | 826 | 217 |
| Indonesia (Republic of) | 525 | 848 | - | 892 | 0 |
| Iran (Islamic Republic of) | 422 | 1 414 | 887 | 1560 | 885 |
| Iraq (Republic of) | 425 | - | - | 13 | 0 |
| Ireland | 250 | 3 238 | 144 | 4 995 | 139 |
| Israel (State of) | 428 | 17 | - | 17 | 0 |
| Italy | 247 | 1 816 | 262 | 1 980 | 244 |
| Jamaica | 339 | 133 | 89 | 355 | 304 |
| Japan | 431432 | 9 361503 | 387503 | 13 073411 | 563411 |
| Jordan (Hashemite Kingdom of) | 438 | - | - | - | - |
| Kazakhstan (Republic of) | 436 | - | - | - | - |
| Kenya (Republic of) | 634 | 1 | 1 | 1 | 1 |
| Kiribati (Republic of) | 529 | 226 | 226 | 184 | 183 |
| Korea (Republic of) | 440441 | 584615 | 584615 | 584615 | 584615 |
| Kuwait (State of) | 447 | 152 | 152 | 154 | 154 |
| Kyrgyz Republic | 451 | - | - | - | - |
| Lao People’s Democratic Republic | 531 | - | - | - | - |
| Latvia (Republic of) | 275 | 222 | 156 | 354 | 171 |
| Lebanon | 450 | - | - | - | - |
| Lesotho (Kingdom of) | 644 | - | - | - | - |
| Liberia (Republic of) | 636637 | 3 522- | 3- | 3 746- | 4- |
| Libya | 642 | - | - | 41 | 2 |
| Liechtenstein (Principality of) | 252 | - | - | - | - |
| Lithuania (Republic of) | 277 | 249 | 249 | 409 | 292 |
| Luxembourg | 253 | 424 | 424 | 448 | 448 |
| Madagascar (Republic of) | 647 | 141 | 10 | 141 | 10 |
| Malawi | 655 | - | - | - | - |
| Malaysia | 533 | 2 878 | 383 | 4031 | 388 |
| Maldives (Republic of) | 455 | 58 | 58 | 58 | 58 |
| Mali (Republic of) | 649 | - | - | - | - |
| Malta | 215229248249256 | 4457791 1611 1101 268 | 381779418400615 | 1 2401 4151 3811 2581 176 | 439624706629525 |
| Marshall Islands (Republic of the) | 538 | 3 392 | 3 | 4 169 | 4 |
| Mauritania (Islamic Republic of) | 654 | 101 | 8 | 101 | 8 |
| Mauritius (Republic of) | 645 | 155 | 155 | 156 | 156 |
| Mexico | 345 | 448 | - | 781 | 0 |
| Micronesia (Federated States of) | 510 | - | - | - | - |
| Moldova (Republic of) | 214 | 400 | - | 176 | 0 |
| Monaco (Principality of) | 254 | 420 | 420 | 512 | 512 |
| Mongolia | 457 | 318 | 298 | 316 | 296 |
| Montenegro (Republic of) | 262 | 3 | 3 | 3 | 3 |
| Morocco (Kingdom of) | 242 | 110 | 82 | 465 | 118 |
| Mozambique (Republic of) | 650 | 1 | 1 | 1 | 1 |
| Myanmar (Union of) | 506 | 35 | 35 | 35 | 35 |
| Namibia (Republic of) | 659 | 37 | 37 | 258 | 258 |
| Nauru (Republic of) | 544 | - | - | 3 | 0 |
| Nepal (Federal Democratic Republic of) | 459 | - | - | - | - |
| Netherlands (Kingdom of the) | 244245246 | 28 903783835 | 760768744 | 31 911574619 | 670569556 |
|  Aruba | 307 | - | - | - | - |
| Bonaire, Sint Eustatius and Saba | 306 | - | - | 1 | 1 |
|  Curaçao | 306 | 227 | 227 | 328 | 326 |
| Sint Maarten (Dutch part) | 306 | - | - | - | - |
| New Zealand | 512542 | 26- | 11- | 502 | 270 |
|  Cook Islands | 518 | 203 | 189 | 197 | 183 |
|  Niue | 542 | 43 | 1 | 84 | 1 |
| Nicaragua | 350 | - | - | - | - |
| Niger (Republic of the) | 656 | - | - | - | - |
| Nigeria (Federal Republic of) | 657 | - | - | - | - |
| Norway | 257258259 | 28 2919 287590 | 528504588 | 30 41510 400522 | 580513518 |
| Oman (Sultanate of) | 461 | 131 | 3 | 165 | 4 |
| Pakistan (Islamic Republic of) | 463 | 13 | - | 13 | 0 |
| Palau (Republic of) | 511 | 8 | - | 6 | 0 |
| State of Palestine (In accordance with Resolution 99 Rev. Guadalajara, 2010) | 443 | - | - | - | - |
| Panama (Republic of) | 351352353354355356357370371372373374 | 88989687189889487689088188087269922 | 88989687189889487689088188087169922 | 947922938856802827820835812788680724 | 947922938856802827820835812787680724 |
| Papua New Guinea | 553 | 500 | - | 500 | 0 |
| Paraguay (Republic of) | 755 | - | - | - | - |
| Peru | 760 | - | - | - | - |
| Philippines (Republic of the) | 548 | 399 | 259 | 431 | 268 |
| Poland (Republic of) | 261 | 885 | 161 | 885 | 161 |
| Portugal | 263 | 90 | 60 | 80 | 47 |
|  Azores | 204 | 28 | 28 | 41 | 40 |
|  Madeira | 255 | 104 | 49 | 504 | 22 |
| Qatar (State of) | 466 | 74 | 72 | 68 | 66 |
| Republic of North Macedonia | 274 | 2 | - | 2 | 0 |
| Romania | 264 | 84 | - | 84 | 0 |
| Russian Federation | 273 | 9 395 | 258 | 12 479 | 265 |
| Rwanda (Republic of) | 661 | - | - | - | - |
| Saint Kitts and Nevis (Federation of) | 341 | 436 | 436 | 449 | 449 |
| Saint Lucia | 343 | - | - | - | - |
| Saint Vincent and the Grenadines | 375376377 | 287331222 | 287321221 | 236289225 | 236281224 |
| Samoa (Independent State of) | 561 | - | - | - | - |
| San Marino (Republic of) | 268 | - | - | - | - |
| Sao Tome and Principe (Democratic Republic of) | 668 | 4 | 4 | 4 | 4 |
| Saudi Arabia (Kingdom of) | 403 | 165 | 139 | 162 | 136 |
| Senegal (Republic of) | 663 | 98 | 98 | 132 | 132 |
| Serbia (Republic of) | 279 | - | - | - | - |
| Seychelles (Republic of) | 664 | 12 | 10 | 12 | 10 |
| Sierra Leone | 667 | 504 | 168 | 486 | 166 |
| Singapore (Republic of) | 563564565566 | 812813745821 | 759813745821 | 735728639734 | 669728639734 |
| Slovak Republic | 267 | 2 | 2 | 2 | 2 |
| Slovenia (Republic of) | 278 | 813 | 796 | 885 | 858 |
| Solomon Islands | 557 | - | - | - | - |
| Somalia (Federal Republic of) | 666 | - | - | - | - |
| South Africa (Republic of) | 601 | 80 | 73 | 84 | 74 |
| South Sudan (Republic of) | 638 | - | - | - | - |
| Spain | 224225 | 1 245112 | 58187 | 1 152137 | 55385 |
| Sri Lanka (Democratic Socialist Republic of) | 417 | 45 | 0 | 45 | 0 |
| Sudan (Republic of the) | 662 | - | - | - | - |
| Suriname (Republic of) | 765 | - | - | - | - |
| Sweden | 265266 | 1 145159 | 134159 | 1 201161 | 124161 |
| Switzerland (Confederation of) | 269 | 1294 | 573 | 1 543 | 414 |
| Syrian Arab Republic | 468 | 14 | 14 | 14 | 14 |
| Tajikistan (Republic of) | 472 | - | - | - | - |
| Tanzania (United Republic of) | 674677 | 146 | -6 | 148 | 06 |
| Thailand | 567 | 100 | 59 | 100 | 59 |
| Timor-Leste (Democratic Republic of) | 550 | - | - | - | - |
| Togolese Republic | 671 | 398 | 393 | 640 | 519 |
| Tonga (Kingdom of) | 570 | 5 | 5 | 5 | 5 |
| Trinidad and Tobago | 362 | 72 | 72 | 72 | 72 |
| Tunisia | 672 | 218 | 206 | 239 | 227 |
| Turkey | 271 | 7 059 | 16 | 9 925 | 18 |
| Turkmenistan | 434 | 3 | 1 | 3 | 1 |
| Tuvalu | 572 | 506 | 314 | 531 | 298 |
| Uganda (Republic of) | 675 | - | - | - | - |
| Ukraine | 272 | 755 | 245 | 789 | 265 |
| United Arab Emirates | 470471 | 751- | 751- | 907111 | 907111 |
| United Kingdom of Great Britain and Northern Ireland | 232233234235 | 1 79419234275 990 | 436191259377 | 17 36319030979 086 | 435190227409 |
|  Anguilla | 301 | - | - | - | - |
|  Ascension Island | 608 | - | - | - | - |
|  Bermuda | 310 | 63 | 63 | 60 | 60 |
|  British Virgin Islands | 378 | 1 458 | 292 | 1842 | 298 |
|  Cayman Islands | 319 | 1 105 | 703 | 1715 | 679 |
|  Falkland Islands (Malvinas) | 740 | - | - | - | - |
|  Gibraltar | 236 | 713 | 267 | 763 | 216 |
|  Montserrat | 348 | - | - | - | - |
|  Pitcairn Island | 555 | - | - | - | - |
|  Saint Helena | 665 | - | - | - | - |
|  Turks and Caicos Islands | 364 | - | - | - | - |
| United States of America | 303338366367368369 | -72329 72933 500693162 | -715350567690161 | 4374329 30136 0329 687355 | 43734321534634355 |
|  Alaska (State of) | 303 | 347 | 339 | 276 | 268 |
|  American Samoa | 559 | - | - | - | - |
| Northern Mariana Islands (Commonwealth of the) | 536 | - | - | - | - |
|  Puerto Rico | 358 | - | - | - | - |
|  United States Virgin Islands | 379 | - | - | - | - |
| Uruguay (Eastern Republic of) | 770 | 210 | - | 210 | 0 |
| Uzbekistan (Republic of) | 437 | - | - | - | - |
| Vanuatu (Republic of) | 576577 | 549210 | 549210 | 386253 | 386253 |
| Vatican City State | 208 | - | - | - | - |
| Venezuela (Bolivarian Republic of) | 775 | - | - | - | - |
| Viet Nam (Socialist Republic of) | 574 | 1 750 | 811 | 1 907 | 811 |
| Yemen (Republic of) | 473475 | - | - | - | - |
| Zambia (Republic of) | 678 | - | - | - | - |
| Zimbabwe (Republic of) | 679 | - | - | - | - |
| **Total:** | **292** | **523 118** | **54 844** | **638 246** | **55 595** |

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