|  |  |
| --- | --- |
| **World Radiocommunication Conference (WRC-15) Geneva, 2-27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| **PLENARY MEETING** | **Addendum 4 to Document 4-E** |
| **21 August 2015** |
| **Original: English** |
| Director, Radiocommunication Bureau | |
| REPORT OF THE DIRECTOR ON THE ACTIVITIES OF THE RADIOCOMMUNICATION SECTOR | |
| PART 4 | |
| Management 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‑12 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 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.

2.2 In the period following the full implementation date of the GMDSS (1 February 1999), the requests for additional MIDs increased considerably, 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, a number 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‑12 (September 2011) and the date of preparation of this Report, four MIDs (Nos. 374, 472, 620 and 638) have been allocated to administrations. Thus, the total number of MIDs allocated to administrations amounts to 289, which now represent 60.97% of the 474 MID combinations currently available for allocation (WRC‑12: 60.12%).

3.2 In addition, by approval of Recommendation ITU‑R M.585-6 in January 2012, MIDs 970, 972 and 974 were 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 September 2011 and June 2015, 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 23.95% (from 422 039 to 523 118 records). It is to be noted that, in June 2015, there were 54 844 cases (10.48%) in the category of MMSI numbers with three trailing zeros, while in September 2011 the percentage of notified MMSI numbers with three trailing zeros was 12.6%.

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.585-6, which is incorporated by reference in the Radio Regulations.

4.2 By the time of preparation of this Report, the Bureau received and recorded 63 MMSI numbers assigned to SAR aircraft for 10 administrations and 1519 MMSI numbers assigned to AtoNs for 23 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  
(September 2011 – June 2015)

| Name | MID | Number of MMSI recorded (September 2011) | Recorded with three trailing zeros (September 2011) | Number of MMSI recorded (June 2015) | Recorded with three trailing zeros (June 2015) |
| --- | --- | --- | --- | --- | --- |
| Afghanistan | 401 | - | - | - | - |
| Albania (Republic of) | 201 | - | - | - | - |
| Algeria (People’s Democratic Republic of) | 605 | 466 | - | 493 | - |
| Andorra (Principality of) | 202 | - | - | - | - |
| Angola (Republic of) | 603 | - | - | - | - |
| Antigua and Barbuda | 304 305 | 944 176 | 623 176 | 514 640 | 396 640 |
| Argentine Republic | 701 | 946 | 77 | 1036 | 84 |
| Armenia (Republic of) | 216 | 1 | 1 | 1 | 1 |
| Australia | 503 | 936 | 233 | 1734 | 283 |
| Christmas Island (Indian Ocean) | 516 | - | - | - | - |
| Cocos (Keeling) Islands | 523 | - | - | - | - |
| Austria | 203 | 1 311 | 22 | 1 846 | 15 |
| Azerbaijani Republic | 423 | 162 | - | 267 | - |
| Bahamas (Commonwealth of the) | 308 309 311 | 369 343 844 | 369 343 471 | 248 242 928 | 247 242 347 |
| Bahrain (Kingdom of) | 408 | 251 | 251 | 446 | 446 |
| Bangladesh (People’s Republic of) | 405 | - | - | - | - |
| Barbados | 314 | 153 | 153 | 107 | 105 |
| Belarus (Republic of) | 206 | 1 | 1 | 1 | 1 |
| Belgium | 205 | 8 635 | 490 | 12 762 | 584 |
| Belize | 312 | 42 | 42 | 40 | 40 |
| Benin (Republic of) | 610 | 1 | - | 1 | - |
| Bhutan (Kingdom of) | 410 | - | - | - | - |
| Bolivia (Plurinational State of) | 720 | 5 | 5 | 80 | 80 |
| Bosnia and Herzegovina | 478 | - | - | - | - |
| Botswana (Republic of) | 611 | - | - | - | - |
| Brazil (Federative Republic of) | 710 | 854 | 100 | 844 | 94 |
| Brunei Darussalam | 508 | 24 | 19 | 22 | 17 |
| Bulgaria (Republic of) | 207 | 126 | 120 | 59 | 50 |
| Burkina Faso | 633 | - | - | - | - |
| Burundi (Republic of) | 609 | - | - | - | - |
| Cambodia (Kingdom of) | 514 515 | 539 745 | 539 745 | 474 611 | 474 611 |
| Cameroon (Republic of) | 613 | 2 | - | 2 | - |
| Canada | 316 | 18 744 | 240 | 27 013 | 243 |
| Cabo Verde (Republic of) | 617 | 26 | 26 | 30 | 29 |
| Central African Republic | 612 | - | - | - | - |
| Chad (Republic of) | 670 | - | - | - | - |
| Chile | 725 | 648 | 7 | 670 | 6 |
| China (People’s Republic of) | 412 413 414 | 14 408 9 256 22 | 671 894 22 | 14 349 13 470 211 | 603 860 211 |
| Hong Kong (Special Administrative Region of China) | 477 | 1 822 | 390 | 2 812 | 266 |
| Macao (Special Administrative Region of China) | 453 | - | - | - | - |
| Taiwan (Province of China) | 416 | - | - | - | - |
| Colombia (Republic of) | 730 | 1 | - | 1 | - |
| Comoros (Union of the) | 616 | 538 | 527 | 538 | 527 |
| Congo (Republic of the) | 615 |  |  | - | - |
| Costa Rica | 321 |  |  | - | - |
| Côte d’Ivoire (Republic of) | 619 | - | - | - | - |
| Croatia (Republic of) | 238 | 5 831 | 99 | 6 920 | 97 |
| Cuba | 323 | 24 | 24 | 24 | 24 |
| Cyprus (Republic of) | 209 210 212 | 408 462 500 | 334 459 500 | 355 400 446 | 339 399 401 |
| Czech Republic | 270 |  |  |  |  |
| Democratic People’s Republic of Korea | 445 | 213 | 213 | 245 | 245 |
| Democratic Republic of the Congo | 676 | - | - | 4 | 4 |
| Denmark | 219 220 | 13 900 597 | 556 467 | 17 036 538 | 595 411 |
| Faroe Islands | 231 | 228 | 228 | 262 | 253 |
| Greenland | 331 | 498 | 225 | 722 | 337 |
| Djibouti (Republic of) | 621 | 4 | 1 | 5 | 1 |
| Dominica (Commonwealth of) | 325 | 1 | 1 | 134 | 134 |
| Dominican Republic | 327 | - | - | - | - |
| Ecuador | 735 | - | - | 4 | - |
| Egypt (Arab Republic of) | 622 | 272 | - | 268 | - |
| El Salvador (Republic of) | 359 | - | - | - | - |
| Equatorial Guinea (Republic of) | 631 | 1 | - | 3 | 2 |
| Eritrea | 625 | 7 | 7 | 7 | 7 |
| Estonia (Republic of) | 276 | 64 | 64 | 64 | 64 |
| Ethiopia (Federal Democratic Republic of) | 624 | 9 | 9 | 9 | 9 |
| Fiji (Republic of) | 520 | - | - | - | - |
| Finland | 230 | 614 | 152 | 1145 | 165 |
| France | 226 227 228  329  635 | 182 35 587 1 290  -  - | 182 374 382  -  - | 141 47 670 1 235  1  69 | 140 307 320  -  - |
| Adelie Land | 501 | - | - | - | - |
| Crozet Archipelago | 618 | 3 | - | - | - |
| French Polynesia | 226  227  228  546 | -  -  -  735 | -  -  -  6 | 3  18  10  1004 | 3  2  6  4 |
| Guadeloupe (French Department of) | 227  228  329 | -  -  861 | -  -  1 | 82  3  1072 | 1  -  1 |
| Guiana (French Department of) | 228  745 | -  105 | -  3 | 2  158 | -  1 |
| Kerguelen Islands | 226  227  618  635 | -  -  -  106 | -  -  -  9 | 1  2  2  8 | 1  2  0  5 |
| Martinique (French Department of) | 227  228  347 | -  -  943 | -  -  1 | 41  3  1127 | 2  1  1 |
| New Caledonia | 227  228  540 | -  -  670 | -  -  16 | 1  4  933 | -  -  14 |
| Reunion (French Department of) | 226  227  228  660 | -  -  -  355 | -  -  -  2 | 2  6  6  480 | 2  1  1  2 |
| Saint Paul and Amsterdam Islands | 607 | - | - | - | - |
| Saint Pierre and Miquelon (Territorial Collectivity of) | 227  228  361 | -  -  34 | -  -  - | 4  1  44 | -  -  - |
| Wallis and Futuna Islands | 227  578 | -  7 | -  1 | 2  9 | 2  0 |
| Gabonese Republic | 626 | - | - | - | - |
| Gambia (Republic of the) | 629 | 3 | 1 | 3 | 1 |
| Georgia | 213 | 26 | 26 | 51 | 51 |
| Germany (Federal Republic of) | 211 218 | 34 008 244 | 347 244 | 45 283 169 | 246 169 |
| Ghana | 627 | 111 | 101 | 111 | 101 |
| Greece | 237 239 240 241 | 6 684 4 196 761 91 | 472 517 761 91 | 6 189 4 672 666 280 | 413 423 666 280 |
| Grenada | 330 | 1 | 0 | 1 | 0 |
| Guatemala (Republic of) | 332 | - | - | - | - |
| Guinea (Republic of) | 632 | - | - | 4 | 1 |
| Guinea-Bissau (Republic of) | 630 | - | - | - | - |
| Guyana | 750 | 23 | - | 31 | - |
| Haiti (Republic of) | 336 | - | - | - | - |
| Honduras (Republic of) | 334 | 396 | 396 | 578 | 576 |
| Hungary (Republic of) | 243 | 449 | 2 | 549 | 2 |
| Iceland | 251 | 2 055 | 85 | 2 113 | 85 |
| India (Republic of) | 419 | 7 | 5 | 548 | 204 |
| Indonesia (Republic of) | 525 | 850 | - | 848 | - |
| Iran (Islamic Republic of) | 422 | 829 | 760 | 1 414 | 887 |
| Iraq (Republic of) | 425 | - | - | - | - |
| Ireland | 250 | 2 455 | 143 | 3 238 | 144 |
| Israel (State of) | 428 | 18 | - | 17 | - |
| Italy | 247 | 1 673 | 302 | 1 816 | 262 |
| Jamaica | 339 | 3 | 1 | 133 | 89 |
| Japan | 431 432 | 7 783 436 | 464 436 | 9 361 503 | 387 503 |
| Jordan (Hashemite Kingdom of) | 438 | - | - | - | - |
| Kazakhstan (Republic of) | 436 | - | - | - | - |
| Kenya (Republic of) | 634 | 1 | 1 | 1 | 1 |
| Kiribati (Republic of) | 529 | 141 | 141 | 226 | 226 |
| Korea (Republic of) | 440 441 | 723 482 | 723 482 | 584 615 | 584 615 |
| Kuwait (State of) | 447 | 129 | 129 | 152 | 152 |
| Kyrgyz Republic | 451 | - | - | - | - |
| Lao People’s Democratic Republic | 531 | - | - | - | - |
| Latvia (Republic of) | 275 | 15 | 15 | 222 | 156 |
| Lebanon | 450 | - | - | - | - |
| Lesotho (Kingdom of) | 644 | - | - | - | - |
| Liberia (Republic of) | 636 637 | 3 566 - | 3 - | 3 522 - | 3 - |
| Libya | 642 | - | - | - | - |
| Liechtenstein (Principality of) | 252 | - | - | - | - |
| Lithuania (Republic of) | 277 | 219 | 219 | 249 | 249 |
| Luxembourg | 253 | 362 | 362 | 424 | 424 |
| Madagascar (Republic of) | 647 | 141 | 10 | 141 | 10 |
| Malawi | 655 | - | - | - | - |
| Malaysia | 533 | 1 553 | 641 | 2 878 | 383 |
| Maldives (Republic of) | 455 | 58 | 58 | 58 | 58 |
| Mali (Republic of) | 649 | - | - | - | - |
| Malta | 215 229 248 249 256 | 421 - 486 509 470 | 421 - 486 509 467 | 445 779 1161 1110 1268 | 381 779 418 400 615 |
| Marshall Islands (Republic of the) | 538 | 1 930 | 2 | 3392 | 3 |
| Mauritania (Islamic Republic of) | 654 | 101 | 8 | 101 | 8 |
| Mauritius (Republic of) | 645 | 93 | 93 | 155 | 155 |
| Mexico | 345 | 450 | - | 448 | - |
| Micronesia (Federated States of) | 510 | - | - | - | - |
| Moldova (Republic of) | 214 | 225 | - | 400 | - |
| Monaco (Principality of) | 254 | 327 | 327 | 420 | 420 |
| Mongolia | 457 | 322 | 302 | 318 | 298 |
| Montenegro (Republic of) | 262 | 3 | 3 | 3 | 3 |
| Morocco (Kingdom of) | 242 | 114 | 86 | 110 | 82 |
| Mozambique (Republic of) | 650 | - | - | 1 | 1 |
| Myanmar (Union of) | 506 | 37 | 37 | 35 | 35 |
| Namibia (Republic of) | 659 | 37 | 37 | 37 | 37 |
| Nauru (Republic of) | 544 | - | - | - | - |
| Nepal (Federal Democratic Republic of) | 459 | - | - | - | - |
| Netherlands (Kingdom of the) | 244 245 246 | 21 730 675 747 | 667 659 644 | 28 903 783 835 | 760 768 744 |
| Aruba | 307 | - | - | - | - |
| Bonaire, Sint Eustatius and Saba | 306 | - | - | - | - |
| Curaçao | 306 | 319 | 319 | 227 | 227 |
| Sint Maarten (Dutch part) | 306 | - | - | - | - |
| New Zealand | 512 | 1 | 1 | 26 | 11 |
| Cook Islands | 518 | 217 | 203 | 203 | 189 |
| Niue | 542 | - | - | 43 | 1 |
| Nicaragua | 350 | - | - | - | - |
| Niger (Republic of the) | 656 | - | - | - | - |
| Nigeria (Federal Republic of) | 657 | - | - | - | - |
| Northern Mariana Islands (Commonwealth of the) | 536 | - | - | - | - |
| Norway | 257 258 259 | 32 129 4 016 683 | 411 561 683 | 28 291 9 287 590 | 528 504 588 |
| Oman (Sultanate of) | 461 | 111 | 4 | 131 | 3 |
| Pakistan (Islamic Republic of) | 463 | 14 | - | 13 | - |
| Palau (Republic of) | 511 | - | - | 8 | - |
| State of Palestine (In accordance with Resolution 99 Rev. Guadalajara, 2010) | 443 | - | - | - | - |
| Panama (Republic of) | 351 352 353 354 355 356 357 370 371 372  373  374 | 981 972 970 969 976 976 966 945 964 955  -  - | 981 972 970 969 976 976 966 945 964 955  -  - | 889 896 871 898 894 876 890 881 880 872 699 22 | 889 896 871 898 894 876 890 881 880 871 699 22 |
| Papua New Guinea | 553 | 500 | - | 500 | - |
| Paraguay (Republic of) | 755 | - | - | - | - |
| Peru | 760 | - | - | - | - |
| Philippines (Republic of the) | 548 | 391 | 276 | 399 | 259 |
| Poland (Republic of) | 261 | 887 | 162 | 885 | 161 |
| Portugal | 263 | 90 | 60 | 90 | 60 |
| Azores | 204 | 28 | 28 | 28 | 28 |
| Madeira | 255 | 142 | 59 | 104 | 49 |
| Qatar (State of) | 466 | 84 | 82 | 74 | 72 |
| Romania | 264 | 84 | - | 84 | - |
| Russian Federation | 273 | 4 255 | 259 | 9 395 | 258 |
| Rwanda (Republic of) | 661 | - | - | - | - |
| Saint Kitts and Nevis (Federation of) | 341 | 540 | 540 | 436 | 436 |
| Saint Lucia | 343 | - | - | - | - |
| Saint Vincent and the Grenadines | 375 376 377 | 311 342 312 | 311 332 312 | 287 331 222 | 287 321 221 |
| 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 | 100 | 98 | 165 | 139 |
| Senegal (Republic of) | 663 | 1 | 1 | 98 | 98 |
| Serbia (Republic of) | 279 | - | - | - | - |
| Seychelles (Republic of) | 664 | 5 | 5 | 12 | 10 |
| Sierra Leone | 667 | 572 | 360 | 504 | 168 |
| Singapore (Republic of) | 563 564 565 566 | 831 802 870 161 | 824 802 870 161 | 812 813 745 821 | 759 813 745 821 |
| Slovak Republic | 267 | 2 | 2 | 2 | 2 |
| Slovenia (Republic of) | 278 | 595 | 580 | 813 | 796 |
| Solomon Islands | 557 | - | - | - | - |
| Somalia (Federal Republic of) | 666 | - | - | - | - |
| South Africa (Republic of) | 601 | 63 | 63 | 80 | 73 |
| South Sudan (Republic of) | 638 | - | - | - | - |
| Spain | 224 225 | 1 410 81 | 697 68 | 1 245 112 | 581 87 |
| Sri Lanka (Democratic Socialist Republic of) | 417 | 43 | - | 45 | - |
| Sudan (Republic of the) | 662 | - | - | - | - |
| Suriname (Republic of) | 765 | - | - | - | - |
| Swaziland (Kingdom of) | 669 | - | - | - | - |
| Sweden | 265 266 | 1 159 179 | 189 179 | 1 145 159 | 134 159 |
| Switzerland (Confederation of) | 269 | 937 | 667 | 1294 | 573 |
| Syrian Arab Republic | 468 | 21 | 21 | 14 | 14 |
| Tajikistan (Republic of) | 472 | - | - | - | - |
| Tanzania (United Republic of) | 674 677 | 1 47 | - 4 | 1 46 | - 6 |
| Thailand | 567 | 100 | 59 | 100 | 59 |
| The Former Yugoslav Republic of Macedonia | 274 | - | - | 2 | - |
| Togolese Republic | 671 | 156 | 154 | 398 | 393 |
| Tonga (Kingdom of) | 570 | 4 | 4 | 5 | 5 |
| Trinidad and Tobago | 362 | - | - | 72 | 72 |
| Tunisia | 672 | 93 | 92 | 218 | 206 |
| Turkey | 271 | 6 113 | 15 | 7 059 | 16 |
| Turkmenistan | 434 | 3 | 1 | 3 | 1 |
| Tuvalu | 572 | 450 | 339 | 506 | 314 |
| Uganda (Republic of) | 675 | - | - | - | - |
| Ukraine | 272 | 762 | 278 | 755 | 245 |
| United Arab Emirates | 470 | 583 | 583 | 751 | 751 |
| United Kingdom of Great Britain and Northern Ireland | 232 233 234 235 | 1 913 228 378 59 376 | 491 228 292 482 | 1 794 192 342 75 990 | 436 191 259 377 |
| Anguilla | 301 | - | - | - | - |
| Ascension Island | 608 | - | - | - | - |
| Bermuda | 310 | 42 | 42 | 63 | 63 |
| British Virgin Islands | 378 | 1 017 | 253 | 1 458 | 292 |
| Cayman Islands | 319 | 1 029 | 757 | 1 105 | 703 |
| Falkland Islands (Malvinas) | 740 | - | - | - | - |
| Gibraltar | 236 | 682 | 331 | 713 | 267 |
| Montserrat | 348 | - | - | - | - |
| Pitcairn Island | 555 | - | - | - | - |
| Saint Helena | 665 | - | - | - | - |
| Turks and Caicos Islands | 364 | - | - | - | - |
| United States of America | 338 366 367 368 369 | 564 32 415 22 038 736 213 | 548 350 604 733 213 | 723 29 729 33 500 693 162 | 715 350 567 690 161 |
| Alaska (State of) | 303 | 358 | 349 | 347 | 339 |
| American Samoa | 559 | - | - | - | - |
| Puerto Rico | 358 | - | - | - | - |
| United States Virgin Islands | 379 | - | - | - | - |
| Uruguay (Eastern Republic of) | 770 | 211 | - | 210 | - |
| Uzbekistan (Republic of) | 437 | - | - | - | - |
| Vanuatu (Republic of) | 576 577 | 775 7 | 775 7 | 549 210 | 549 210 |
| Vatican City State | 208 | - | - | - | - |
| Venezuela (Bolivarian Republic of) | 775 | - | - | - | - |
| Viet Nam (Socialist Republic of) | 574 | 1 758 | 815 | 1 750 | 811 |
| Yemen (Republic of) | 473 475 | - | - | - | - |
| Zambia (Republic of) | 678 | - | - | - | - |
| Zimbabwe (Republic of) | 679 | - | - | - | - |
| **Total:** | **285** | **422 039** | **53 226** | **523 118** | **54 844** |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_