

Address : #351, Haeyang-ro, Yeongdo Gu, Busan, 491111  
Phone : +82-51-400-4331 ~ 4  
FAX : +82-51-400-4349  
E-Mail : ntmkhoa@korea.kr  
Website : <http://www.khoa.go.kr>

Dec. 30. 2022  
Notices 1178 ~ 1194  
(441) ~ (450)



# Republic of Korea

# NOTICES TO MARINERS

## WEEKLY EDITION 52

---

### CONTENTS

---

|      |                                |
|------|--------------------------------|
| PART | I. INDEX                       |
|      | II. NOTICES TO MARINERS        |
|      | III. NAVIGATIONAL INFORMATION  |
|      | IV. AMENDMENTS TO PUBLICATIONS |

---

Mariners are requested to inform the Korea Hydrographic and Oceanographic Agency immediately of the discovery of new dangers, changes or defects in aids to navigation and of shortcomings in Korean charts or publications. The Notices to Mariners and list of small correction are uploaded on the website of Korea Hydrographic and Oceanographic Agency.

---

1. A star “★” before a notice number indicates that the notice is based on the original Korea information.
  2. Temporary or preliminary notices are indicated by (T) or (P) after the notice number respectively, and the notice number with “※” means that it has been notices as a temporary or preliminary notice before.  
\*Temporary (T) and Preliminary (P) notices are not corrected on charts and publications. Therefore it is advised to check past Notices to Mariners upon purchasing new charts and publications.
  3. The Lat./Long. horizontal coordinates are shown by WGS-84 system.
  4. Courses and bearing are true reckoned clockwise from 000° to 359° ; the bearings relating to light sectors and leading lines are expressed from the vessel toward the target.
  5. The time is expressed as four figures from 00:00 to 24:00, and is based on the Korea Standard Time(KST ; ZD -9) if not specified otherwise.
  6. A dagger “†” before the publication number means its correction is recorded in the attached sheet.
  7. The figure within brackets after a chart number means the year and notice number of the last correction affected in that charts.
- 

Korea Hydrographic and Oceanographic Agency

# PART I

## INDEX OF LOCALITY

| <i>Locality</i>   | <i>Notice No.</i> |
|---|-------------------|
| Information about navigation                                  | (441)             |
|   | (442)             |
| List of temporary & preliminary                               | (449)             |
| Indexes of Notices  | (450)             |
| Nautical publication production                               | 1178              |
| Nautical publication withdrawn                                | 1179              |
| EAST COAST Approaches to Ulsan Hang ~ Light buoy              | 1184              |
| Middle part of East sea ~ Light beacon                        | 1188              |
| Approaches to Ulsan Hang ~ Buoy                               | 1189              |
| SOUTH COAST Geojedo, Approaches to Gohyeon Hang ~ Light buoy  | 1180              |
| Southern part of Yeondo, Approaches to Ganyeoam ~ Light house | 1181              |
| Jejudo, Approaches to Hallim Hang ~ Beacon                    | 1182              |
| Approaches to Sisan Hang ~ Light buoy                         | 1186              |
| Jejudo, Approaches to Hallim Hang ~ Light buoy                | 1187              |
| Approaches to Busan Hang ~ Light buoy                         | 1190              |
| Eastern part of Chujado, Approaches to Sasudo ~ Light buoy    | 1191              |
| Approaches to Chuja Hang ~ Light buoy                         | 1192              |
| Jejudo, Approaches to Hwasun Hang ~ Light buoy                | 1193              |
| Approaches to Gukdong Hang ~ Fishery                          | (443)             |
| Approaches to Nangdo Hang ~ Fishery                           | (444)             |
| Approaches to Hwapo Hang ~ Fishery                            | (445)             |
| Approaches to Soan Hang ~ Fishery                             | (446)             |
| Approaches to Book Hang ~ Fishery                             | (447)             |
| WEST COAST Approaches to Deokjeokdo Hang ~ Light beacon       | 1183              |
| Approaches to Namdang Hang ~ Light buoy                       | 1185              |
| Approaches to Seonjinpo Hang ~ Light buoy                     | 1194              |
| Approaches to Incheon Hang ~ Hydrographic survey              | (448)             |

## INDEX OF CHARTS AFFECTED

| Chart No. | Notice No.   | Chart No. | Notice No.            |
|-----------|--------------|-----------|-----------------------|
| 1013      | 1188(T)      | 2439      | 1181                  |
| 1417      | 1188(T)      | 2470      | (447)                 |
| 1437      | 1188(T)      | 2471      | (446)                 |
| 1600      | (441)        | 2625      | 1192(T)               |
| 1700      | 1188(T)      | 2754      | 1193(T)               |
| 1756      | 1189(T)      | 2804      | (442), 1182, 1187(T)※ |
| 1816      | 1184※        | 2805      | (442), 1182, 1187(T)※ |
| 2182      | (443), (444) | 3112      | 1191(T)               |
| 2207      | 1190(T)      | 3460      | 1185※                 |
| 2284      | 1180         | 3471      | (448)                 |
| 2412      | 1181         | 3636      | 1183                  |
| 2414      | 1181         | 6410      | 1186(T)※              |
| 2431      | (443), (445) | 6604      | 1194(T)               |

## INDEX OF PUBLICATION AFFECTED

| Publication No. | Notice No.                               |
|-----------------|--|
| 230             | 1178                                     |
| 310             | 1179                                     |
| 410             | 1180, 1181, 1182, 1183, 1188(T), 1189(T) |
| 510             | 1179                                     |
| 520             | 1178, 1179                               |
| 530             | 1179                                     |
| 810             | 1178, 1179                               |

## PART II

★1178/22 Nautical publication production

| No. | Title                              | Date      | Remark  |
|-----|------------------------------------|-----------|---------|
| 520 | Tidal Table (Pacific&Indian Ocean) | 2022. 12. | Edition |
| 230 | Tidal Current Tables               | 2022. 12. | Edition |

Publication †810(CATALOGUE OF CHARTS AND PUBLICATIONS)

Source Korea Hydrographic and Oceanographic Agency

---

★1179/22 Nautical publication withdrawn

| No. | Title                                   | Date      | Remark  |
|-----|---|-----------|---------|
| 310 | 2022 Nautical Almanac                   | 2021. 9.  | Edition |
| 510 | 2022 Tidal Tables (Coast of Korea)      | 2021. 9.  | Edition |
| 520 | 2022 Tidal Table (Pacific&Indian Ocean) | 2021. 11. | Edition |
| 530 | 2022 Tidal Current Tables               | 2021. 11. | Edition |

Publication †810(CATALOGUE OF CHARTS AND PUBLICATIONS)

Source Korea Hydrographic and Oceanographic Agency

---

★1180/22 SOUTH COAST ~ Geojedo, Approaches to Gohyeon Hang ~ Light buoy

Delete  FI(4) Y 8s



34-55-24.5N, 128-31-28.0E

Chart 2284[22-830]









Publication †410(List of Lights) 2201.7

Source Masan Regional Office of Oceans & Fisheries

★1181/22 SOUTH COAST ~ Southern part of Yeondo, Approaches to Ganyeoam ~ Light house

- Delete 1.  Fl(4) Y 8s 36m 9M 34-21-50.8N, 127-42-37.5E
- Replace 2.  Fl(4) Y 8s 36m 9M with Fl(4) Y 8s 29m 9M 34-21-50.8N, 127-42-37.5E to  
34-13-18.4N, 127-43-40.8E
- Chart 2439[22-1105](1), 2412[22-1160](1), 2414[22-1034](2)
- Publication †410(List of Lights) 2494.1, 2494.1
- Source Yeosu Regional Office of Oceans & Fisheries
- 

★1182/22 SOUTH COAST ~ Jeju-do, Approaches to Hallim Hang ~ Beacon

- Insert 1.  (No 1) 33-26-21.5N, 126-15-03.9E
2.  (No 4) 33-26-28.4N, 126-14-48.3E
3.  (No 7) 33-26-40.5N, 126-15-11.6E
4.  (No 10) 33-27-07.6N, 126-15-06.3E
5.  (No 13) 33-26-59.9N, 126-15-20.2E
6.  (No 16) 33-26-47.0N, 126-15-47.3E
7.  (No 17) 33-27-05.4N, 126-15-55.4E
8.  (No 18) 33-27-12.6N, 126-15-41.9E
- Chart 2805[22-361](1,2), 2804[22-755]
- Publication †410(List of Lights) 2676.1, 2676.4, 2676.7, 2676.10, 2676.13, 2676.16, 2676.17, 2676.18
- Source Jeju Hanlim Offshore Wind Co., Ltd

★1183/22 WEST COAST ~ Approaches to Deokjeokdo Hang ~ Light beacon

Insert  Fl(2) 10s 19m 7M 37-15-48.2N, 126-05-20.6E

Chart 3636[22-130]

Publication †410(List of Lights) 3365.1

Source Incheon Regional Office of Oceans & Fisheries

---

★1184※/22 EAST COAST ~ Approaches to Ulsan Hang ~ Light buoy

Former Notice 428(T)/22, No.3 is canceled

Delete  Fl G 5s 35-31-15.3N, 129-27-05.2E

Chart 1816

Source Ulsan Regional Office of Oceans & Fisheries

---

★1185※/22 WEST COAST ~ Approaches to Namdang Hang ~ Light buoy

Former Notice 876(T)/22 is canceled

Delete 1.  Fl(4) Y 8s (No.A) 36-35-14.0N, 126-27-17.9E

2.  Fl(4) Y 8s (No.B) 36-35-15.7N, 126-27-23.0E

Chart 3460

Source Daesan Regional Office of Oceans & Fisheries

★1186(T)※/22 SOUTH COAST ~ Approaches to Sisan Hang ~ Light buoy

Former Notice 774(T)/21 is canceled

Move 1.  *Fl(4) Y 8s (No.A)* 34-23-53.7N, 127-15-58.8E to  
34-23-53.4N, 127-15-57.2E

2.  *Fl(4) Y 8s (No.B)* 34-23-48.8N, 127-16-03.5E to  
34-23-48.5N, 127-16-02.3E

Chart 6410

Source Yeosu Regional Office of Oceans & Fisheries

---

★1187(T)※/22 SOUTH COAST ~ Jejudo, Approaches to Hallim Hang ~ Light buoy

Former Notice 806(T)/22 is canceled, 296(T)/22, No.6 is canceled

Move 1.  *Fl(4) Y 8s (No.K)* 33-26-07.3N, 126-15-33.4E to  
33-26-10.3N, 126-15-32.0E

2.  *Fl(4) Y 8s (No.J)* 33-26-18.7N, 126-15-45.4E to  
33-26-21.7N, 126-15-43.8E

Chart 2805, 2804

Source Busan Regional Office of Oceans & Fisheries

---

★1188(T)/22 EAST COAST ~ Middle part of East sea ~ Light beacon

Interrupted  *Fl(2) 5s 17m 10M* 37-33-24.7N, 130-56-23.7E

Chart 1437, 1417, 1700, F1700, 1013, F1013

Publication 410(List of Lights) 1270.5

Source Pohang Regional Office of Oceans & Fisheries

★1189(T)/22 EAST COAST ~ Approaches to Ulsan Hang ~ Buoy

Interrupted  (ODAS)

35-28-00.0N, 129-24-13.0E


Chart 1756

Publication 410(List of Lights) 1363.10


Source Ulsan Regional Office of Oceans & Fisheries

---

★1190(T)/22 SOUTH COAST ~ Approaches to Busan Hang ~ Light buoy

Insert 1.  FI(4) Y 8s (No A)

35-05-36.5N, 129-01-33.5E

2.  FI(4) Y 8s (No B)


35-05-40.7N, 129-01-34.4E

Chart 2207

Source Busan Regional Office of Oceans & Fisheries

---

★1191(T)/22 SOUTH COAST ~ Eastern part of Chujado, Approaches to Sasudo ~ Light buoy

Insert  FI(5) Y 20s (ODAS)

33-59-05.4N, 126-37-15.0E

Chart 3112

Source Jindo Aids to Navigation Office

---

★1192(T)/22 SOUTH COAST ~ Approaches to Chuja Hang ~ Light buoy

Insert  FI(4) Y 8s

33-57-43.7N, 126-17-47.1E

Chart 2625

Source Busan Regional Office of Oceans & Fisheries



★1193(T)/22 SOUTH COAST ~ Jejudo, Approaches to Hwasun Hang ~ Light buoy

Insert  *Fl(4) Y 8s (No A)*

33-13-57.0N, 126-20-34.2E

Chart 2754

Source Busan Regional Office of Oceans & Fisheries

---

★1194(T)/22 WEST COAST ~ Approaches to Seonjinpo Hang ~ Light buoy

Insert  *Fl(4) Y 8s*

37-49-50.6N, 124-43-01.5E

Chart 6604

Source Incheon Regional Office of Oceans & Fisheries

## PART III

★(441)/22 Marine information

As there will be survey for environmental impact assessment, mariners are advised to navigate with caution.

Area bounded by line joining the following points(1) ~ (6) ~ (1) (1) 35-21-34.7N, 129-21-46.5E  
(2) 35-26-59.2N, 129-22-27.7E  
(3) 35-33-55.8N, 129-54-21.4E  
(4) 35-40-08.3N, 130-11-16.6E  
(5) 35-30-15.8N, 130-16-41.0E  
(6) 35-24-03.9N, 129-59-47.5E

Remark Period : 1. ~ 31. Jan. 2023.

Chart 1600

---

★(442)/22 Marine information

As there will be construction for the installation of wind turbine generator, vessels advised to navigate with caution.

Area bounded by line joining the following points(1) ~ (7) ~ (1) (1) 33-25-54.0N, 126-15-00.0E  
(2) 33-26-22.0N, 126-14-10.0E  
(3) 33-26-59.0N, 126-14-28.0E  
(4) 33-27-49.0N, 126-15-03.0E  
(5) 33-28-05.0N, 126-15-42.0E  
(6) 33-26-57.0N, 126-16-05.0E  
(7) 33-26-03.3N, 126-15-44.2E

Remark Period: 1. Jan. 2022. ~ 31. Oct. 2024.

Chart 2805

★(443)/22 SOUTH COAST ~ Approaches to Gukdong Hang ~ Fishery

Area 1. bounded by line, joining, (1)~(4)~(1) (1) 34-41-43.6N, 127-43-39.5E  
(2) 34-41-43.8N, 127-43-53.2E  
(3) 34-41-37.3N, 127-43-53.3E  
(4) 34-41-36.9N, 127-44-18.8E

2. bounded by line, joining, (1)~(4)~(1) (1) 34-41-33.2N, 127-38-31.3E  
(2) 34-41-33.0N, 127-38-39.2E  
(3) 34-41-21.7N, 127-38-38.8E  
(4) 34-41-21.9N, 127-38-30.9E

Remark Period : Jan.2023 ~ Jan.2033

Chart 2182(2), 2431(1)

Source Yeosu City

---

★(444)/22 SOUTH COAST ~ Approaches to Nangdo Hang ~ Fishery

Area bounded by line, joining, (1)~(4)~(1) (1) 34-38-20.1N, 127-35-53.6E  
(2) 34-38-20.0N, 127-35-57.5E  
(3) 34-38-13.5N, 127-35-57.4E  
(4) 34-38-13.6N, 127-35-53.4E

Remark Period : Jan.2023 ~ Jan.2033

Chart 2182

Source Yeosu City

★(445)/22 SOUTH COAST ~ Approaches to Hwapo Hang ~ Fishery

|      |  |  |
|------|--|--|
| Area | 1. bounded by line, joining, (1)~(4)~(1) | (1) 34-46-57.7N, 127-30-12.7E<br>(2) 34-46-58.2N, 127-30-32.4E<br>(3) 34-46-51.7N, 127-30-32.7E<br>(4) 34-46-51.2N, 127-30-13.0E |
|      | 2. bounded by line, joining, (1)~(4)~(1) | (1) 34-46-56.5N, 127-29-52.9E<br>(2) 34-46-56.6N, 127-30-04.7E<br>(3) 34-46-40.3N, 127-30-04.8E<br>(4) 34-46-40.3N, 127-29-53.0E |
|      | 3. bounded by line, joining, (1)~(4)~(1) | (1) 34-46-29.1N, 127-29-02.0E<br>(2) 34-46-25.2N, 127-29-08.3E<br>(3) 34-46-12.3N, 127-28-56.3E<br>(4) 34-46-16.3N, 127-28-50.0E |
|      | 4. bounded by line, joining, (1)~(4)~(1) | (1) 34-45-38.2N, 127-28-16.0E<br>(2) 34-45-33.8N, 127-28-21.7E<br>(3) 34-45-21.6N, 127-28-08.4E<br>(4) 34-45-25.9N, 127-28-02.6E |

Remark Period : Dec.2022 ~ Dec.2032

Chart 2431

Source Yeosu City

★(446)/22 SOUTH COAST ~ Approaches to Soan Hang ~ Fishery

|      |  |  |
|------|--|--|
| Area | 1. bounded by line, joining, (1)~(4)~(1) | (1) 34-10-16.9N, 126-39-52.0E<br>(2) 34-10-16.5N, 126-40-01.8E<br>(3) 34-10-03.6N, 126-40-01.1E<br>(4) 34-10-03.9N, 126-39-51.4E |
|      | 2. bounded by line, joining, (1)~(4)~(1) | (1) 34-10-16.9N, 126-40-05.7E<br>(2) 34-10-16.4N, 126-40-25.2E<br>(3) 34-10-03.4N, 126-40-24.7E<br>(4) 34-10-03.9N, 126-40-05.2E |

Remark Period : Dec.2022 ~ Dec.2032

Chart 2471

Source Wando Gun

★(447)/22 SOUTH COAST ~ Approaches to Book Hang ~ Fishery

|      |  |  |
|------|--|--|
| Area | 1. bounded by line, joining, (1)~(4)~(1) | (1) 34-14-30.3N, 126-35-31.8E<br>(2) 34-14-30.1N, 126-35-38.1E<br>(3) 34-14-25.6N, 126-35-37.9E<br>(4) 34-14-25.8N, 126-35-31.7E |
|      | 2. bounded by line, joining, (1)~(4)~(1) | (1) 34-14-38.7N, 126-37-21.0E<br>(2) 34-14-42.1N, 126-37-25.7E<br>(3) 34-14-29.7N, 126-37-38.4E<br>(4) 34-14-26.3N, 126-37-33.6E |
|      | 3. bounded by line, joining, (1)~(4)~(1) | (1) 34-14-59.6N, 126-37-02.8E<br>(2) 34-15-02.3N, 126-37-05.1E<br>(3) 34-14-52.9N, 126-37-21.0E<br>(4) 34-14-50.2N, 126-37-18.7E |
|      | 4. bounded by line, joining, (1)~(4)~(1) | (1) 34-14-17.5N, 126-37-43.7E<br>(2) 34-14-19.3N, 126-37-48.1E<br>(3) 34-14-07.7N, 126-37-55.1E<br>(4) 34-14-05.9N, 126-37-50.7E |
|      | 5. bounded by line, joining, (1)~(4)~(1) | (1) 34-08-53.4N, 126-29-50.0E<br>(2) 34-08-53.3N, 126-30-01.7E<br>(3) 34-08-42.5N, 126-30-01.6E<br>(4) 34-08-42.6N, 126-29-49.8E |

Remark Period : Feb.2014 ~ Feb.2024

Chart 2470

Source Wando Gun

---

★(448)/22 WEST COAST ~ Approaches to Incheon Hang ~ Hydrographic survey

|      |                                       |                               |
|------|---------------------------------------|-------------------------------|
| Area | bounded by line, joining, (1)~(4)~(1) | (1) 37-30-39.0N, 126-36-05.0E |
|      |                                       | (2) 37-30-39.0N, 126-36-15.0E |
|      |                                       | (3) 37-30-31.0N, 126-36-15.0E |
|      |                                       | (4) 37-30-31.0N, 126-36-05.0E |

Remark Period : 4. ~ 6. Jan. 2023.

Chart 3471

Source West Sea Hydrographic and Oceanographic Office

Previous temporary notices unshown in this list are regarded as the expunged notices.

| Notices Nos.         | Contents   | Charts affected |
|----------------------|--|-----------------|
| <b>1) EAST COAST</b> |  |                 |
| 19-555               | Approaches to Hupo Hang ~ Light house              | 1415,1531       |
| 19-1094              | Approaches to Pohang Hang ~ Light buoy             | 1751,1753       |
| 20-257               | Approaches to Gonghyeonjin Hang ~ Light buoy       | 1411            |
| 21-222               | Approaches to Ulsan Hang ~ Buoy                    | 1755            |
| 21-223               | Southern part of East Sea ~ Light buoy             | 1600,F1600      |
| 21-310               | Approaches to Jukbyeon Hang ~ Light buoy           | 1414            |
| 21-351               | Approaches to Pohang Hang ~ Light house            | 1751,1752,1753  |
| 21-394               | Approaches to Geojin Hang ~ Light buoy             | 1411            |
| 21-395               | Approaches to Hupo Hang ~ Light buoy               | 1415            |
| 21-436               | Approaches to Pohang Hang ~ Light buoy             | 1751,1753       |
| 21-994               | Approaches to Ulsan Hang ~ Light buoy              | 1816            |
| 21-1056              | Approaches to Ulsan Hang ~ Light buoy              | 1817            |
| 21-1083              | Approaches to Ulsan Hang ~ Light buoy              | 1817            |
| 22-236               | Approaches to Sokcho Hang ~ Light buoy             | 1506            |
| 22-254               | Ulleungdo, Approaches to Namyang Hang ~ Buoy       | 6303            |
| 22-284               | Ulleungdo, Approaches to Ulleung Hang ~ Light buoy | 1536            |
| 22-290               | Approaches to Pohang Hang ~ Light buoy             | 1751,1753       |
| 22-387               | Approaches to Gusan Hang ~ Light house             | 1415            |
| 22-400               | Approaches to Geojin Hang ~ Light pole             | 1411            |
| 22-401               | Approaches to Pohang Hang ~ Light house            | 1753,6311       |
| 22-402               | Approaches to Ulsan Hang ~ Light buoy              | 1756,1816       |
| 22-427               | Approaches to Gonghyeonjin Hang ~ Light buoy       | 1411,6203       |
| 22-428               | Approaches to Ulsan Hang ~ Light buoy              | 1755,1816       |
| 22-448               | Approaches to Samcheok Hang ~ Light buoy           | 1520            |
| 22-478               | Approaches to Daebyeon Hang ~ Light buoy           | 2131            |
| 22-517               | Approaches to Sokcho Hang ~ Light buoy             | 1411,1412       |
| 22-544               | Ulleungdo, Approaches to Ulleung Hang ~ Light buoy | 1437,1536       |
| 22-670               | Approaches to Daejin Hang ~ Light buoy             | 6201            |
| 22-699               | Middle part of East sea ~ Light buoy               | 1536,6302       |
| 22-784               | Approaches to Gungchon Hang ~ Light buoy           | 6211            |

|         |  |                                 |
|---------|--|---------------------------------|
| 22-804  | Approaches to Gusan Hang ~ Light buoy          | 1415                            |
| 22-809  | Approaches to Pohang Hang ~ Light buoy         | 6311                            |
| 22-810  | Approaches to Jeongja Hang ~ Light buoy        | 1813                            |
| 22-878  | Middle part of East sea ~ Light buoy           | 1437                            |
| 22-879  | Approaches to Donghae, Mukho Hang ~ Light buoy | 1413,1519                       |
| 22-881  | Approaches to Chuksan Hang ~ Light buoy        | 1416                            |
| 22-925  | Southern part of East Sea ~ Light buoy         | 1014,1600,F1014,F1600           |
| 22-927  | Approaches to Gangneung Hang ~ Light buoy      | 1413,6209                       |
| 22-946  | Approaches to Pohang Hang ~ Light buoy         | 1752                            |
| 22-969  | Approaches to Gonghyeonjin Hang ~ Light buoy   | 1411                            |
| 22-970  | Approaches to Hupo Hang ~ Light buoy           | 1531                            |
| 22-991  | Approaches to Jumunjin Hang ~ Light buoy       | 1412,1413                       |
| 22-1056 | Approaches to Osan Hang ~ Light buoy           | 1415                            |
| 22-1085 | Approaches to Daebyeon Hang ~ Light buoy       | 6317                            |
| 22-1088 | Approaches to Daebyeon Hang ~ Light buoy, Buoy | 2111,6317                       |
| 22-1153 | Approaches to Okgye Hang ~ Light buoy          | 1413                            |
| 22-1175 | Approaches to Gangneung Hang ~ Light buoy      | 1413,1455,6209                  |
| 22-1176 | Approaches to Ganggu Hang ~ Light buoy         | 1534                            |
| 22-1188 | Middle part of East sea ~ Light beacon         | 1013,1417,1437,1700,F1013,F1700 |
| 22-1189 | Approaches to Ulsan Hang ~ Buoy                | 1756                            |

## 2) SOUTH COAST

|         |  |  |
|---------|--|--|
| 19-169  | Approaches to Busan New Port ~ Light beacon            | 2154   |
| 19-325  | Approaches to Busan New Port ~ Light beacon            | 2154   |
| 19-494  | Approaches to Gukdong Hang ~ Buoy                      | 2526   |
| 19-525  | Approaches to Masan Hang ~ Racon, Light beacon         | 2100,2112,2132,2155,2156,2200,2228,F2100,F2200 |
| 19-581  | Approaches to Busan Hang ~ Light buoy                  | 2206   |
| 19-863  | Approaches to Soan Hang ~ Light buoy                   | 2470,2471                                      |
| 19-969  | Approaches to Busan Hang ~ Light beacon                | 2111,2112,2131,2204                            |
| 19-971  | Geojedo, Approaches to Okpo Hang ~ Light buoy          | 2131,2132,2154                                 |
| 19-1138 | Namhaedo, Approaches to Mijo Hang ~ Buoy               | 2412   |
| 20-326  | Approaches to Narodo Hang ~ Light buoy                 | 2183   |
| 20-538  | Approaches to Samcheonpo Hang ~ Light pole, Fog signal | 2160,2235                                      |
| 20-585  | Approaches to Busan Hang ~ Light buoy                  | 2208   |
| 20-619  | Approaches to Gukdong Hang ~ Light buoy                | 2182   |
| 20-713  | Approaches to Cheongsando Hang ~ Light buoy            | 2415,2467,2471                                 |
| 20-714  | Approaches to Soan Hang ~ Light buoy                   | 2471   |
| 20-715  | Wando, Approaches to Hwaheungpo Hang ~ Light buoy      | 2470,3112                                      |
| 20-748  | Jejudo, Approaches to Jeju Hang ~ Light beacon         | 6901   |
| 20-953  | Geojedo, Approaches to Gohyeon Hang ~ Light buoy       | 2156   |
| 20-1123 | Approaches to Jinhae Hang ~ Light buoy                 | 2214   |
| 20-1156 | Approaches to Gwangyang Hang ~ Light buoy              | 2431   |
| 21-145  | Geojedo, Approaches to Gujora Hang ~ Buoy              | 2166   |

|         |  |                          |
|---------|--|--------------------------|
| 21-146  | Geojedo, Approaches to Okpo Hang ~ Buoy                          | 2131,2132,2154           |
| 21-203  | Approaches to Busan New Port ~ Light buoy, Light pole            | 2154,2214                |
| 21-206  | Jejudo, Approaches to Seongsanpo Hang ~ Buoy                     | 2757                     |
| 21-207  | Jejudo, Approaches to Aewol Hang ~ Buoy                          | 2713                     |
| 21-208  | Jejudo, Approaches to Hallim Hang ~ Buoy                         | 2753,2804                |
| 21-209  | Jejudo, Approaches to Wimi Hang ~ Buoy                           | 2755                     |
| 21-248  | Approaches to Jinhae Hang ~ Light buoy                           | 2155,2228                |
| 21-283  | Approaches to Soan Hang ~ Light buoy                             | 2471                     |
| 21-358  | Approaches to Gukdong Hang ~ Light buoy                          | 6401                     |
| 21-397  | Approaches to Cheongsando Hang ~ Light house                     | 2415,2471,6417           |
| 21-439  | Approaches to Gwangam Hang ~ Light buoy                          | 6321                     |
| 21-440  | Approaches to Cheongsando Hang ~ Light buoy                      | 6417                     |
| 21-494  | Geojedo, Approaches to Okpo Hang ~ Light pole, Light house       | 2112,2113,2131,2132,6322 |
| 21-495  | Geojedo, Approaches to Gohyeon Hang ~ Racon                      | 2132,2156,2165           |
| 21-496  | Approaches to Hwapo Hang ~ Light buoy                            | 2431                     |
| 21-593  | Namhaedo, Approaches to Mijo Hang ~ Light buoy                   | 2160,2161,6336           |
| 21-637  | Namhaedo, Approaches to Mijo Hang ~ Light buoy                   | 2161                     |
| 21-676  | Approaches to Hadong Hang ~ Light buoy                           | 2511                     |
| 21-751  | Approaches to Nokdong Hang ~ Light buoy                          | 2432,2451,2452           |
| 21-819  | Approaches to Busan Hang ~ Light buoy                            | 2111,2131                |
| 21-821  | Approaches to Ando Hang ~ Light buoy                             | 2181                     |
| 21-824  | Approaches to Sinma Hang ~ Light buoy                            | 2472                     |
| 21-872  | Northern part of Geomundo, Approaches to Chodo Hang ~ Light buoy | 2453                     |
| 21-967  | Approaches to Wando Hang ~ Light buoy                            | 2584                     |
| 21-1057 | Approaches to Busan Hang ~ Light buoy, Light house               | 2131,2153,2204,2206      |
| 21-1130 | Approaches to Book Hang ~ Buoy                                   | 2470,3112                |
| 21-1143 | Approaches to Hwapo Hang ~ Buoy                                  | 2431                     |
| 22-50   | Western part of Korea Strait ~ Light buoy                        | 2500                     |
| 22-205  | Approaches to Samcheonpo Hang ~ Light buoy                       | 2160                     |
| 22-255  | Approaches to Busan New Port ~ Light pole                        | 2154                     |
| 22-256  | Wando, Approaches to Hwaheungpo Hang ~ Light buoy                | 2470                     |
| 22-286  | Approaches to Deugam Hang ~ Light buoy                           | 2432                     |
| 22-293  | Approaches to Junghwa Hang ~ Light buoy                          | 2164                     |
| 22-294  | Approaches to Nokdong Hang ~ Light buoy                          | 2432                     |
| 22-295  | Jejudo, Approaches to Aewol Hang ~ Light buoy                    | 2804                     |
| 22-296  | Jejudo, Approaches to Hallim Hang ~ Light buoy                   | 2804,2805                |
| 22-313  | Approaches to Maekjeonpo Hang ~ Light buoy                       | 2158,2245                |
| 22-315  | Approaches to Sadong Hang ~ Light buoy                           | 2452,2712,6410,6416      |
| 22-328  | Geojedo, Approaches to Daepogeunpo Hang ~ Light buoy             | 2164                     |
| 22-329  | Approaches to Gwangam Hang ~ Light buoy                          | 2156,6321                |
| 22-331  | Approaches to Nokdong Sin Hang ~ Light buoy                      | 2451,2551                |
| 22-350  | Approaches to Sadong Hang ~ Light house                          | 2432,2452,6416           |
| 22-389  | Geojedo, Approaches to Gujora Hang ~ Light buoy                  | 2166                     |



|         |  |                                      |
|---------|--|--------------------------------------|
| 22-390  | Namhaedo, Approaches to Hangchon Hang ~ Buoy                           | 2412                                 |
| 22-391  | Approaches to Hadong Hang ~ Buoy                                       | 2431,2511,2512                       |
| 22-392  | Approaches to Ando Hang ~ Light buoy, Buoy                             | 2181,2412,2439                       |
| 22-403  | Approaches to Sadong Hang ~ Light buoy                                 | 2452                                 |
| 22-405  | Jejudo, Approaches to Seogwipo Hang ~ Light buoy                       | 2813                                 |
| 22-479  | Approaches to Soan Hang ~ Light buoy                                   | 2471                                 |
| 22-497  | Approaches to Nangdo Hang ~ Buoy                                       | 2182                                 |
| 22-498  | Jejudo, Approaches to Jeju Hang ~ Light buoy                           | 2711,2801                            |
| 22-518  | Approaches to Busan Hang ~ Racon                                       | 2206,2207,2208                       |
| 22-595  | Approaches to Busan New Port ~ Light pole                              | 2154                                 |
| 22-606  | Geojeodo, Approaches to Daepogeunpo Hang ~ Light buoy                  | 2164                                 |
| 22-607  | Approaches to Tongyeong Hang ~ Light buoy                              | 2164                                 |
| 22-611  | Approaches to Samcheonpo Hang ~ Light buoy                             | 2160                                 |
| 22-612  | Northern part of Jejudo ~ Light buoy                                   | 2711                                 |
| 22-674  | Approaches to Masan Hang ~ Light buoy                                  | 2219                                 |
| 22-702  | Approaches to Hadong Hang ~ Light buoy                                 | 2511,6338                            |
| 22-703  | Eastern part of Chujado, Approaches to Sasudo ~ Light buoy             | 2711                                 |
| 22-720  | Approaches to Sadong Hang ~ Light buoy                                 | 2474                                 |
| 22-740  | Approaches to Busan New Port ~ Light buoy                              | 2214                                 |
| 22-741  | Approaches to Samcheonpo Hang ~ Light buoy                             | 2160                                 |
| 22-785  | Approaches to Busan Hang ~ Light buoy                                  | 2206,2207,2208                       |
| 22-789  | Eastern part of Geomundo, Approaches to Sangbaekdo ~ AIS, Light house  | 2200,2414,F2200                      |
| 22-812  | Approaches to Busan Hang ~ Light buoy, Light beacon, Buoy, Light house | 2131,2153,2204,2206,2207,2208,6318   |
| 22-813  | Southern part of Busan Hang, Approaches to Hyeongjedo ~ Light buoy     | 2111,2112,2131,2200,F2200            |
| 22-814  | Approaches to Jinhae Hang ~ Light buoy                                 | 2132,2154,2155                       |
| 22-817  | Jejudo, Approaches to Hwasun Hang ~ Light beacon, Light buoy           | 2714,2759,2811                       |
| 22-847  | Approaches to Busan Hang ~ Light buoy, AIS                             | 2111,2112,2131,2153,2204             |
| 22-849  | Geojeodo, Approaches to Daepogeunpo Hang ~ Light beacon, AIS           | 2100,2112,2113,2163,2200,F2100,F2200 |
| 22-882  | Southern part of Busan Hang, Approaches to Hyeongjedo ~ Light beacon   | 2112,2131,2153                       |
| 22-883  | Approaches to Gwangam Hang ~ Light buoy                                | 2132,2156                            |
| 22-900  | Approaches to Dolsan Hang ~ Light buoy                                 | 2182                                 |
| 22-901  | Approaches to Nokdong Hang ~ Buoy                                      | 2432                                 |
| 22-931  | Approaches to Ando Hang ~ Light buoy                                   | 6403                                 |
| 22-949  | Approaches to Busan Hang ~ Light buoy                                  | 2206                                 |
| 22-950  | Approaches to Busan New Port ~ Light buoy                              | 2131                                 |
| 22-971  | Approaches to Busan Hang ~ Light buoy                                  | 2206                                 |
| 22-972  | Approaches to Tongyeong Hang ~ Light buoy                              | 2164,2227                            |
| 22-993  | Wando, Approaches to Hwaheungpo Hang ~ Light buoy                      | 2467                                 |
| 22-994  | Jejudo, Approaches to Seongsanpo Hang ~ Light buoy                     | 2757                                 |
| 22-995  | Jejudo, Approaches to Hwasun Hang ~ Light beacon                       | 2754                                 |
| 22-1017 | Approaches to Sisan Hang ~ Light house                                 | 2414,2432,6410                       |

|         |   |           |
|---------|---|-----------|
| 22-1018 | Approaches to Hadong Hang ~ Light buoy                            | 2511      |
| 22-1019 | Approaches to Narodo Hang ~ Light buoy                            | 2183      |
| 22-1020 | Southern part of Narodo, Approaches to Sonjukdo ~ Light buoy, AIS | 2414,2453 |
| 22-1021 | Approaches to Soan Hang ~ Light buoy                              | 2471      |
| 22-1057 | Approaches to Hadong Hang ~ Light buoy                            | 2160      |
| 22-1058 | Jejudo, Approaches to Gimnyeong Hang ~ Light house                | 2711      |
| 22-1086 | Approaches to Hadong Hang ~ Light buoy                            | 2511      |
| 22-1089 | Approaches to Samcheonpo Hang ~ Light buoy                        | 2160      |
| 22-1090 | Jejudo, Approaches to Jeju Hang ~ Light buoy                      | 2801      |
| 22-1127 | Approaches to Busan Hang ~ Light buoy                             | 2206      |
| 22-1154 | Approaches to Busan New Port ~ Light pole                         | 2154,2214 |
| 22-1155 | Approaches to Gwangyang Hang ~ Light buoy                         | 2431      |
| 22-1186 | Approaches to Sisan Hang ~ Light buoy                             | 6410      |
| 22-1187 | Jejudo, Approaches to Hallim Hang ~ Light buoy                    | 2804,2805 |
| 22-1190 | Approaches to Busan Hang ~ Light buoy                             | 2207      |
| 22-1191 | Eastern part of Chujado, Approaches to Sasudo ~ Light buoy        | 3112      |
| 22-1192 | Approaches to Chuja Hang ~ Light buoy                             | 2625      |
| 22-1193 | Jejudo, Approaches to Hwasun Hang ~ Light buoy                    | 2754      |

### 3) WEST COAST

|         |   |                |
|---------|---|----------------|
| 18-662  | Approaches to Gyeongin Hang ~ Light buoy                | 3751           |
| 19-584  | Approaches to Boryeong Hang ~ Light buoy                | 3458           |
| 19-994  | Approaches to Heuksando Hang ~ Light buoy               | 3139           |
| 19-1140 | Approaches to Incheon Hang ~ Light house                | 3438,3470,3614 |
| 20-752  | Approaches to Taeaen Hang ~ Light buoy                  | 3550           |
| 20-1074 | Approaches to Maldo Hang ~ Light buoy                   | 3432,6435      |
| 20-1138 | Jindo, Approaches to Paengmok Hang ~ Light buoy         | 3111,3112,3131 |
| 21-110  | Southern part of Yellow sea ~ Light buoy                | 2500           |
| 21-111  | Approaches to Beolpo Hang ~ Light buoy                  | 3131,3154      |
| 21-112  | Approaches to Gyeongin Hang ~ Light pole                | 3754           |
| 21-149  | Approaches to Manjaedo ~ Light buoy                     | 3115           |
| 21-151  | Approaches to Hongdo Hang ~ Light buoy                  | 3114           |
| 21-189  | Approaches to Sihwaho ~ Light buoy                      | 3200,F3200     |
| 21-210  | Approaches to Heuksando Hang ~ Light buoy               | 3305           |
| 21-224  | Approaches to Pyeongtaek·Dangjin Hang ~ Buoy            | 3437           |
| 21-251  | Approaches to Maldo Hang ~ Light buoy                   | 3432           |
| 21-268  | Approaches to Maldo Hang ~ Light beacon                 | 3412,3432      |
| 21-294  | Approaches to Anma Hang ~ Buoy                          | 3489           |
| 21-295  | Approaches to Gyema Hang ~ Buoy                         | 3411           |
| 21-296  | Approaches to Wido Hang ~ Buoy                          | 3411           |
| 21-297  | Approaches to Maldo Hang ~ Buoy                         | 3432           |
| 21-298  | Western part of Gunsan Hang, Approaches to Jikdo ~ Buoy | 3412           |
| 21-398  | Approaches to Anheung Hang ~ Light buoy                 | 3460           |

|         |  |                      |
|---------|--|----------------------|
| 21-419  | Approaches to Beolpo Hang ~ Light buoy                                 | 3112                 |
| 21-441  | Approaches to Eoranjin Hang ~ Light buoy                               | 6422                 |
| 21-475  | Approaches to Maldo Hang ~ Light buoy                                  | 3412,3432,6435       |
| 21-476  | Approaches to Gunsan Hang ~ Light buoy                                 | 3412,3484            |
| 21-477  | Approaches to Eocheongdo Hang ~ Light buoy                             | 6437                 |
| 21-478  | Approaches to Pyeongtaek·Dangjin Hang ~ AIS                            | 3415,3437,3466       |
| 21-499  | Approaches to Wido Hang ~ Light buoy, Light beacon                     | 3411,6434            |
| 21-502  | Approaches to Incheon Hang ~ Light buoy                                | 3438,3469            |
| 21-523  | Approaches to Maldo Hang ~ Light buoy                                  | 3432                 |
| 21-524  | Approaches to Daesan Hang ~ Light buoy                                 | 3436                 |
| 21-544  | Approaches to Boryeong Hang ~ Light buoy                               | 3529                 |
| 21-638  | Approaches to Gomso Hang ~ Light house                                 | 3411                 |
| 21-661  | Southern part of Taeon Hang, Approaches to Mohang Hang<br>~ Light buoy | 3413                 |
| 21-749  | Approaches to Huido ~ Light buoy                                       | 3131,3154            |
| 21-752  | Approaches to Jeonjangpo Hang ~ Light house                            | 3113,3489            |
| 21-753  | Approaches to Maldo Hang ~ Light buoy                                  | 3432                 |
| 21-853  | Approaches to Pyeongtaek·Dangjin Hang ~ Light buoy                     | 3437,3467            |
| 21-855  | Approaches to Incheon Hang ~ Light buoy                                | 3415,3438,3469,F3791 |
| 21-969  | Approaches to Beolpo Hang ~ Light buoy                                 | 3131,3154            |
| 21-971  | Western part of Anmyeondo, Approaches to Sapsido ~ Light buoy          | 3459                 |
| 21-972  | Approaches to Boryeong Hang ~ Light buoy                               | 3458,3460            |
| 21-1061 | Approaches to Gomso Hang ~ Light buoy                                  | 3411                 |
| 21-1062 | Approaches to Maldo Hang ~ Light buoy                                  | 3432                 |
| 21-1065 | Approaches to Daesan Hang ~ Light buoy                                 | 3436                 |
| 22-45   | Approaches to Maldo Hang ~ Light buoy                                  | 3432                 |
| 22-51   | Approaches to Songgong Hang ~ Light buoy                               | 3113                 |
| 22-91   | Western part of Anmyeondo, Approaches to Sapsido ~ Light buoy          | 3458,3459            |
| 22-141  | Approaches to Songgong Hang ~ Light buoy                               | 3113                 |
| 22-180  | Approaches to Maldo Hang ~ Light buoy                                  | 3432                 |
| 22-192  | Approaches to Gunsan Hang ~ Light house                                | 3456,3484            |
| 22-193  | Approaches to Pyeongtaek·Dangjin Hang ~ Light buoy                     | 3415,3437,3466       |
| 22-207  | Western part of Gunsan Hang, Approaches to Jikdo ~ Light buoy          | 3412                 |
| 22-208  | Approaches to Oeyeondo Hang ~ Light house                              | 3413,3418,3493,6502  |
| 22-240  | Approaches to Sihwaho ~ Buoy   | 3438,3469            |
| 22-258  | Approaches to Eoranjin Hang ~ Light buoy                               | 2470                 |
| 22-297  | Southern part of Yellow sea ~ Light buoy                               | 2014,F2017           |
| 22-298  | Middle part of Yellow sea ~ Light buoy                                 | 3011,F3017,F3792     |
| 22-316  | Approaches to Mokpo Hang ~ Light buoy                                  | 3135,3162            |
| 22-317  | Approaches to Songgong Hang ~ Racon                                    | 3113,3135            |
| 22-352  | Approaches to Wido Hang ~ Light buoy                                   | 3411,6434            |
| 22-353  | Approaches to Gyeongin Hang ~ Light buoy                               | 3438                 |
| 22-370  | Middle part of Yellow sea ~ Light buoy                                 | 3200,F3200           |
| 22-406  | Approaches to Gomso Hang ~ Light buoy                                  | 6433                 |

|         |   |                   |
|---------|---|-------------------|
| 22-449  | Approaches to Mokpo Hang ~ Light buoy                                   | 3155              |
| 22-450  | Approaches to Songgong Hang ~ Light buoy                                | 3135              |
| 22-451  | Approaches to Gunsan Hang ~ Light buoy, Light pole                      | 3484              |
| 22-481  | Northern part of Yeongjongdo, Approaches to Jangbong Hang<br>~ Buoy     | 3415,3637,F3791   |
| 22-495  | Approaches to Eoranjin Hang ~ Light buoy                                | 6422              |
| 22-520  | Southern part of Yellow sea ~ Light buoy, AIS                           | 2713,3111         |
| 22-521  | Approaches to Maldo Hang ~ Light house                                  | 3412,3432,6435    |
| 22-569  | Approaches to Boryeong Hang ~ Buoy                                      | 3531              |
| 22-570  | Approaches to Daesan Hang ~ Light buoy                                  | F3791             |
| 22-596  | Approaches to Daesan Hang ~ Light buoy                                  | 3436              |
| 22-672  | Approaches to Boryeong Hang ~ Light buoy                                | 3458,3529         |
| 22-675  | Middle part of Yellow sea ~ Light buoy                                  | 3200,F3200        |
| 22-704  | Western part of Ganghwado, Approaches to Eoyujeong Hang<br>~ Buoy       | 3754              |
| 22-721  | Approaches to Jeonjangpo Hang ~ Light buoy                              | 3489 <sup>b</sup> |
| 22-722  | Approaches to Maldo Hang ~ Light buoy                                   | 3432              |
| 22-739  | Approaches to Amtaedo ~ Light buoy                                      | 3489 <sup>d</sup> |
| 22-818  | Approaches to Daesan Hang ~ Light buoy                                  | 3557              |
| 22-854  | Approaches to Mokpo Hang ~ Light buoy                                   | 3155              |
| 22-896  | Approaches to Gunsan Hang ~ Light pole                                  | 3484              |
| 22-903  | Approaches to Gunsan Hang ~ Light buoy, Light pole                      | 3484,3521         |
| 22-952  | Approaches to Namdang Hang ~ Light buoy                                 | 3460              |
| 22-953  | Southern part of Taeang Hang, Approaches to Mohang Hang<br>~ Light buoy | 3417              |
| 22-954  | Approaches to Taeang Hang ~ Light buoy                                  | 3417,3436,3550    |
| 22-973  | Approaches to Daesan Hang ~ Light buoy                                  | 3466              |
| 22-996  | Approaches to Pyeongtaek·Dangjin Hang ~ Light buoy                      | 3467              |
| 22-1059 | Approaches to Incheon Hang ~ Light buoy                                 | 3470,3471         |
| 22-1091 | Approaches to Eoranjin Hang ~ Light buoy                                | 2470              |
| 22-1092 | Approaches to Maemuldo ~ Light buoy, AIS                                | 3111,3114,3115    |
| 22-1093 | Approaches to Gyema Hang ~ Light buoy                                   | 3451              |
| 22-1094 | Approaches to Gunsan Hang ~ Light buoy                                  | 3456              |
| 22-1095 | Approaches to Boryeong Hang ~ AIS                                       | 3531              |
| 22-1128 | Approaches to Heuksando Hang ~ Light buoy                               | 3139              |
| 22-1129 | Southern part of Yellow sea ~ Light buoy                                | 3100,F3100        |
| 22-1130 | Middle part of Yellow sea ~ Light buoy                                  | 3200,F3200        |
| 22-1131 | Approaches to Gyeongin Hang ~ Light buoy                                | 3470,3471         |
| 22-1156 | Approaches to Pyeongtaek·Dangjin Hang ~ Light buoy                      | 3467              |
| 22-1177 | Southern part of Yellow sea ~ Light buoy, AIS                           | 2300,3111,F2300   |
| 22-1194 | Approaches to Seonjinpo Hang ~ Light buoy                               | 6604              |

---

Source Korea Hydrographic and Oceanographic Agency

The following indexes show charts and publications corresponding with notice number in PART II except (T) and (P) notices until 51 Ed, of 2022.

| Chart No | Edition   | Notice No.   | Chart No | Edition   | Notice No.   |
|----------|-----------|--|----------|-----------|--|
| 1001     | (2020.11) | (20) 980, 1030, 1035, 1064   |          |           | 119, 167, 236, 426, 488, 924, 925, 926,  |
| F1001    | (2020.11) | (20) 897, 980, 1030, 1035, 1064  |          |           | 927 / (21) 75, 447, 775, 904, 932 / (22)   |
| S1002    | (2016.2)  | (16) 121   |          |           | 2, 184, 269, 393, 410, 645, 684, 723   |
| 1010     | (2018.11) | (17) 787 / (19) 337, 689 / (20) 1064 /<br>(21) 555 / (22) 440                          | 1417     | (2021.10) | (21) 718 / (22) 455, 571   |
| 1012     | (2018.11) | (18) 1019  | 1418     | (2016.3)  | (22) 1000  |
| 1013     | (2022.11) | (22) 684   | 1437     | (2021.9)  | (21) 718 / (22) 375, 452, 644  |
| F1013    | (2022.11) | (22) 684   | 1454     | (2021.8)  | (21) 506 / (22) 17, 681, 770, 771, 826,<br>908, 909  |
| 1014     | (2022.11) | (22) 796, 1029   | 1455     | (2021.8)  | (21) 602, 909, 924 / (22) 53, 94, 142,<br>264, 299, 355, 356, 502, 600, 643, 827,<br>959, 1022   |
| F1014    | (2022.11) | (22) 796, 1029   | 1500     | (2022.11) | (22) 439, 1068   |
| F1015    | (2016.10) | (19) 371   | F1500    | (2022.11) | (22) 439, 1068   |
| 1016     | (2014.10) | (11) 782   | 1501     | (2012.8)  | (13) 17 / (18) 790   |
| F1016    | (2014.10) | (11) 782   | 1506     | (2022.7)  | (22) 182, 793  |
| 1100     | (2017.11) | (11) 781   | 1510     | (2015.9)  | (16) 500 / (17) 10, 293, 388, 670 / (19)<br>56, 462 / (20) 40, 393, 1056 / (21) 443,<br>506, 601   |
| 1119     | (2016.11) | (17) 803   | 1512     | (2019.4)  | (18) 261 / (19) 1202 / (20) 63, 1057 /<br>(22) 17, 771, 909  |
| 1137     | (2017.11) | (17) 803   | 1517     | (2017.7)  | (16) 448 / (18) 24, 78   |
| 1138     | (2017.10) | (05) 125   | 1518     | (2020.11) | (21) 236, 525, 904, 1136 / (22) 357, 933,<br>978, 979, 1067  |
| 1139     | (2016.9)  | (17) 695   | 1519     | (2016.9)  | (16) 687, 700, 750, 787 / (17) 40, 104,<br>203, 529, 759, 903 / (18) 4, 228, 466,<br>791, 1022, 1049, 1128 / (19) 59, 237,<br>380, 419, 484, 562, 586, 903, 1000,<br>1026, 1071, 1173 / (20) 82, 431, 563,<br>612, 667, 703, 764, 844, 848, 913, 957,<br>1059 / (21) 40, 236, 525, 904, 1136 /<br>(22) 54, 819, 978, 979, 1027, 1043, 1067 |
| 1140     | (2017.11) | (17) 803   | 1520     | (2021.6)  | (20) 1102  |
| 1146     | (2016. 9) |  | 1524     | (2021.8)  | (21) 625 / (22) 267, 318, 508, 709, 728,<br>744, 794, 861, 980   |
| 1147     | (2017.10) | (02) 703   | 1531     | (2019.4)  | (18) 260 / (19) 1203 / (20) 100, 195 /<br>(21) 555, 588, 768 / (22) 359  |
| 1148     | (2017.10) | (17) 761   | 1534     | (2021.4)  | (20) 613 / (21) 405, 447 / (22) 209, 243,<br>248, 393, 411   |
| 1161     | (2017.7)  | (17) 784   | 1536     | (2019.6)  | (18) 600 / (20) 724, 868, 920, 1008 /<br>(21) 41, 53, 183, 757 / (22) 452  |
| 1170     | (2017.10) | (17) 762   | 1541     | (2015. 6) | (14) 686   |
| 1171     | (2017.10) | (17) 762   |          |           |  |
| 1177     | (2017.11) | (17) 802   |          |           |  |
| 1179     | (2017.10) | (17) 784   |          |           |  |
| 1200     | (2017.11) | (15) 757 / (17) 929  |          |           |  |
| 1209     | (2017.11) | (17) 803   |          |           |  |
| 1245     | (2017.9)  | (17) 668   |          |           |  |
| 1300     | (2016. 4) | (17) 929   |          |           |  |
| F1395    | (2022.10) | (21) 506 / (22) 770, 826, 1066   |          |           |  |
| 1400     | (2017.11) |  |          |           |  |
| 1411     | (2022.9)  | (21) 834 / (22) 825, 1009  |          |           |  |
| 1412     | (2021.8)  | (21) 507, 834, 1032 / (22) 356, 769, 770,<br>771, 826, 860, 884, 908, 1009, 1066       |          |           |  |
| 1413     | (2022.10) | (22) 600, 772, 860, 1044, 1098   |          |           |  |
| 1414     | (2022.9)  | (22) 439, 861, 960, 1068   |          |           |  |
| 1415     | (2022.9)  | (22) 439   |          |           |  |
| 1416     | (2018.10) | (18) 383, 810, 1093, 1146 / (19) 46, 563,<br>588, 691, 711, 878, 880, 1084 / (20) 118, |          |           |  |

| Chart No | Edition   | Notice No.  | Chart No | Edition   | Notice No.  |
|----------|-----------|---|----------|-----------|---|
| 1600     | (2021.12) | (21) 977 / (22) 439, 440, 684, 796, 1068  |          |           | 620, 744  |
| F1600    | (2021.11) | (21) 804, 932, 977 / (22) 439, 440, 684, 796, 1068  | 1802     | (2021.4)  | (20) 1139 / (22) 269  |
| 1700     | (2022.11) | (21) 977  | 1808     | (2019.4)  | (18) 42 / (20) 267, 626, 851, 928 / (21) 227 / (22) 641   |
| F1700    | (2022.11) | (21) 977  | 1810     | (2015.10) | (14) 1013 / (15) 831 / (16) 67, 72, 111, 627 / (17) 735, 841 / (18) 43, 229, 782, 986, 994 / (19) 334, 536, 882, 1001, 1149 / (20) 196, 248, 268, 426, 462, 478, 776, 1103 / (21) 157, 284, 547, 571, 910, 1094 / (22) 270, 641, 686, 917, 1003 |
| 1711     | (2021.9)  | (21) 604, 804, 932, 978 / (22) 154, 184, 269, 270, 377, 440, 485, 620, 647, 685, 686, 749, 828, 917, 1002, 1003   | 1813     | (2015.10) | (15) 452, 704 / (16) 606, 936 / (17) 25, 237, 328, 335, 666, 672, 843, 931, 943 / (18) 79, 171, 931 / (19) 537, 713, 881, 979 / (20) 777, 1040, 1115 / (22) 56  |
| 1712     | (2017.12) | (17) 787 / (18) 47, 48, 79, 111, 171, 172, 278, 279, 308, 710, 728, 763, 806, 930, 931, 932 / (19) 1, 39, 205, 256, 422, 483, 537, 687, 714, 777, 814, 828, 829, 830, 881, 882, 978, 979, 1204 / (20) 179, 212, 433, 777, 929, 964, 1010, 1040, 1063, 1064, 1115 / (21) 237, 533, 576, 736, 737, 759, 814, 879, 904, 933 / (22) 120, 185, 195, 394, 440, 621, 622, 795, 910, 1004, 1045, 1134 | 1816     | (2017.7)  | (17) 329, 441, 640, 787 / (18) 172, 230, 308, 343, 409, 461, 502, 535, 536, 933 / (19) 39, 120, 205, 257, 421, 777 / (20) 168, 197, 297, 371, 1064, 1130 / (21) 42, 235, 533, 626, 737, 814, 979, 1067 / (22) 107, 441, 614, 648, 1004          |
| 1751     | (2020.7)  | (20) 461, 501, 577, 626, 775, 927 / (21) 20, 156, 423, 575, 758, 835, 844, 865 / (22) 194, 269, 620, 744  | 1817     | (2021.8)  | (21) 533, 879, 911 / (22) 120, 195, 319, 378, 394, 509, 795, 1004, 1045, 1134   |
| 1752     | (2019.5)  | (19) 360, 472, 635, 764, 826, 827, 977, 1026 / (20) 4, 83, 228, 266, 296, 501, 519, 566, 589, 626, 669, 720, 765, 850 / (21) 134, 139, 299, 335, 400, 423, 484, 508, 603, 670, 758, 791, 950, 1003, 1038 / (22) 55, 154, 244, 685, 828  | 1820     | (2021.7)  | (21) 406 / (22) 395, 456, 687   |
| 1753     | (2021.7)  | (21) 508, 575, 758, 791, 835, 844, 865, 950, 978, 1003, 1038 / (22) 55, 154, 194, 244, 269, 377, 485, 620, 646, 647, 685, 744, 828, 1002  | 2010     | (2018.11) | (18) 830, 1137 / (19) 7, 1008, 1012, 1156, 1190, 1191, 1198, 1199, 1200 / (20) 876, 877, 890, 980, 1020, 1030, 1048, 1064, 1069 / (21) 450, 687, 1100 / (22) 440, 601, 651, 1029  |
| 1754     | (2020.9)  | (20) 478, 776, 929, 1010, 1103 / (21) 6, 157, 158, 284, 547, 571, 933, 1094 / (22) 119, 132, 270, 440, 621, 647, 686, 917, 1003   | 2011     | (2022.11) | (22) 752, 1029, 1073, 1160  |
| 1755     | (2019.8)  | (19) 881, 979, 1104 / (20) 433, 627, 777, 844, 1063, 1064, 1115 / (21) 235, 533, 736, 814, 979 / (22) 20, 622   | 2012     | (2018.11) | (18) 503 / (19) 243, 508 / (20) 51, 592, 877, 1069 / (21) 983 / (22) 34, 649  |
| 1756     | (2021.8)  | (21) 576, 737, 759, 814, 879, 911, 979, 1067 / (22) 107, 120, 185, 195, 245, 319, 378, 394, 441, 509, 578, 614, 648, 795, 910, 1004, 1045, 1134   | 2013     | (2018.11) | (19) 251, 253, 347, 349, 350, 509, 510  |
| 1801     | (2015.9)  | (15) 654, 675, 759 / (16) 465 / (17) 449, 765 / (18) 810, 1017 / (19) 588, 878, 1148 / (20) 118, 119, 167, 926, 927, 957, 963 / (21) 804 / (22) 2, 184, 269, 619,   | 2014     | (2018.11) | (18) 830 / (19) 13, 252, 1113 / (20) 403, 903 / (21) 164, 984   |
|          |           |   | F2017    | (2019.12) | (19) 1113, 1190 / (20) 403, 876, 877, 903, 1020, 1069 / (21) 450, 983, 984  |
|          |           |   | F2018    | (2015.12) | (17) 214, 972 / (18) 67, 503 / (19) 243 / (20) 51, 592 / (21) 983 / (22) 34   |
|          |           |   | 2020     | (2018.11) | (18) 67 / (19) 251, 348, 507, 509, 510  |
|          |           |   | F2020    | (2018.11) | (18) 67 / (19) 251, 348, 507, 509, 510  |
|          |           |   | 2100     | (2020.12) | (20) 818, 1105 / (21) 687, 1032 / (22) 601, 651, 1029, 1071   |
|          |           |   | F2100    | (2020.12) | (20) 818, 1105 / (21) 687, 1032 / (22) 601, 651, 1029, 1071   |
|          |           |   | 2111     | (2021.10) | (21) 814, 879, 1004 / (22) 120, 168, 185, 195, 394, 395, 412, 510, 623, 664, 688,   |

| Chart No | Edition   | Notice No.  | Chart No | Edition   | Notice No.   |
|----------|-----------|---|----------|-----------|--|
|          |           | 795, 796, 910, 1004, 1005, 1045, 1069, 1134   |          |           | 832, 833, 836, 932, 933, 1107, 1108 / (21) 78, 136, 525, 632, 691, 694, 695, 754, 805, 973, 998, 1010, 1011 / (22) 4, 27, 30, 32, 452, 527, 581, 744, 753, 1031, 1073, 1160  |
| 2112     | (2020.11) | (20) 827, 1105 / (21) 76, 385, 653, 685, 686, 687, 688, 689, 690, 838, 840, 880, 887, 904, 912, 913, 935, 1009, 1040 / (22) 22, 23, 25, 59, 102, 272, 380, 601, 651, 688, 1029, 1047, 1071  | 2163     | (2021.8)  | (21) 136, 691, 840, 914 / (22) 3, 4, 26, 39, 452, 581  |
| 2113     | (2021.10) | (21) 694, 838, 840, 882, 914, 1009, 1040, 1042 / (22) 24, 25, 26, 28, 29, 30, 122, 601, 641, 651, 750, 1029, 1047, 1073, 1101, 1160   | 2164     | (2019.8)  | (19) 567, 658, 743, 744, 787, 789, 790 / (20) 72, 157, 237, 248, 271, 300, 350, 825, 826, 829, 830, 831, 832, 931, 932, 1106, 1107, 1142 / (21) 8, 78, 178, 300, 525, 691, 692, 740, 754, 882, 931, 973 / (22) 3, 26, 27, 28, 155, 197, 264, 750, 962, 965, 1072, 1102, 1141 |
| 2131     | (2020.11) | (20) 819, 1141 / (21) 76, 167, 272, 653, 686, 775, 856, 880, 887, 1007 / (22) 59, 271, 272, 380, 395, 412, 413, 510, 664, 688, 1071, 1138   | 2165     | (2021.7)  | (21) 510, 690, 754, 881, 973, 1014 / (22) 25, 59, 229, 553, 862  |
| 2132     | (2021.9)  | (21) 741, 880, 881, 887, 1007, 1014 / (22) 22, 23, 25, 28, 59, 102, 229, 272, 273, 380, 553, 862, 1138  | 2166     | (2021.7)  | (21) 407, 686, 838, 1007, 1008, 1009, 1040 / (22) 273, 1101, 1138  |
| 2153     | (2020.9)  | (20) 628, 813, 814, 1116 / (21) 167, 364, 448, 461, 684, 716, 951, 1032, 1104 / (22) 57, 143, 271, 395, 510, 689, 829, 1022, 1071   | 2181     | (2017.12) | (18) 348, 621, 631, 647, 672, 682, 1051, 1109, 1111, 1133 / (19) 128, 129, 418, 426, 487, 529, 540, 660, 701, 1032, 1078, 1107 / (20) 85, 142, 356, 378, 464, 569, 636, 670, 969, 970, 971, 972, 1084 / (21) 44, 82, 365, 981 / (22) 62, 63, 109, 300, 461, 528, 833, 864    |
| 2154     | (2020.11) | (20) 819, 930, 947, 1012, 1079, 1104, 1131, 1141 / (21) 7, 235, 272, 549, 571, 739, 761, 837, 880, 887, 973, 980, 1006, 1039, 1096 / (22) 21, 58, 59, 101, 169, 264, 272, 320, 380, 381, 442, 457, 552, 650, 691, 710, 758, 934, 1022, 1028, 1046, 1099, 1100, 1136 | 2182     | (2017.12) | (18) 186, 187, 428, 470, 516, 857, 858, 902, 942, 999, 1000, 1054, 1110, 1111, 1135 / (19) 10, 127, 211, 427, 453, 475, 570, 746, 943 / (20) 111, 159, 171, 302, 465, 760, 853, 973, 975, 1127 / (21) 12, 84, 463, 578 / (22) 461, 462, 625, 712, 833, 886, 1033, 1104       |
| 2155     | (2017.10) | (17) 932 / (18) 264, 281, 560, 848, 849, 855, 937, 1107, 1148 / (19) 175, 239, 502, 637, 786, 888, 909, 1050, 1051, 1161 / (20) 42, 299, 314, 352, 371, 620, 631, 818, 821 / (21) 76, 550, 688, 689, 792, 973 / (22) 23, 25, 59, 885, 935, 1022                     | 2183     | (2018.10) | (18) 1056 / (19) 62, 130, 161, 180, 212, 1005, 1006, 1078 / (20) 976, 979 / (21) 247, 605 / (22) 64, 264, 463, 1034, 1105  |
| 2156     | (2021.9)  | (21) 741, 1014 / (22) 22, 23, 25, 59, 102, 108, 321, 1022, 1103   | 2200     | (2021.11) | (21) 687 / (22) 601, 651, 796, 819, 831, 832, 855, 1029, 1071, 1073, 1160  |
| 2158     | (2019.7)  | (19) 400, 658, 744, 745, 842 / (20) 71, 169, 272, 315, 355, 548, 550, 633, 829, 833, 1132 / (21) 77, 79, 336, 525, 693, 1032, 1099 / (22) 28, 29, 264, 523, 554, 624, 751, 1022, 1030, 1074   | F2200    | (2021.11) | (21) 687 / (22) 601, 651, 796, 819, 831, 832, 855, 1029, 1071, 1073, 1160  |
| 2160     | (2022.8)  | (22) 582  | 2204     | (2016.7)  | (16) 628, 714, 784, 863 / (17) 14, 281, 558, 618, 767, 782 / (18) 61, 99, 212, 410, 843, 844 / (19) 2, 203, 207, 226, 277, 297, 498, 501, 576, 694, 778, 834, 900 / (20) 463, 781, 813, 1116 / (21) 288, 364, 480, 684, 934, 1104 / (22) 271, 335, 395, 413, 510, 1022       |
| 2161     | (2019.9)  | (19) 744, 788, 790, 791, 910, 1107, 1162 / (20) 213, 237, 273, 350, 355, 549, 831,  |          |           |  |

| Chart No | Edition   | Notice No.  | Chart No | Edition   | Notice No.  |
|----------|-----------|---|----------|-----------|---|
| 2206     | (2016.10) | (16) 714, 834, 835, 864, 975 / (17) 101, 105, 158, 242, 245, 274, 294, 398, 417, 559, 619, 640, 735, 805, 844, 845, 904 / (18) 9, 61, 84, 85, 198, 199, 263, 280, 310, 311, 343, 386, 411, 412, 487, 531, 641, 645, 711, 729, 812, 898, 934, 1086, 1104 / (19) 125, 146, 159, 174, 277, 485, 499, 559, 566, 589, 695, 716, 785, 836, 837, 838, 883, 884, 941, 1002, 1003, 1049 / (20) 5, 151, 229, 568, 628, 781, 813, 1011, 1116 / (21) 160, 177, 288, 448, 548, 684, 781, 934, 1005, 1032, 1090, 1104 / (22) 121, 143, 335, 395, 454, 510, 961, 964, 1022, 1157, 1158 | 2240     | (2016.4)  | (15) 711 / (18) 363, 391, 430, 1056 / (19) 62, 1005 / (20) 479, 976, 1139 / (22) 156, 264, 464  |
| 2207     | (2016.8)  | (16) 444, 834, 864 / (17) 90, 105, 247, 398, 619, 735, 844 / (18) 84, 200, 311, 411, 412, 514, 531, 711, 898, 1104, 1151 / (19) 3, 125, 159, 234, 485, 566, 589, 739, 765, 838, 1002 / (20) 298, 813 / (21) 22, 160, 177, 448, 781, 836 / (22) 143, 1135, 1158  | 2245     | (2019.5)  | (19) 341, 400, 564, 607 / (20) 169, 248, 272, 550, 833 / (21) 9, 693, 1032 / (22) 29, 523, 554  |
| 2208     | (2019.6)  | (19) 424, 485, 499, 566, 636, 739, 740, 765, 838, 841, 887, 1002, 1175 / (20) 781, 813 / (21) 22, 160, 177, 448, 461, 716, 738, 781, 951, 1095, 1121 / (22) 16, 57, 143, 264, 523, 689, 1158  | 2261     | (2016.7)  | (15) 123 / (17) 560 / (18) 461 / (19) 743 / (20) 237, 831, 932 / (21) 973 / (22) 27, 458  |
| 2214     | (2017.11) | (17) 536, 789, 905, 927, 932, 957, 958 / (18) 49, 53, 231, 264, 281, 346, 361, 362, 413, 414, 427, 845, 846, 847, 916, 935, 996, 1147, 1148, 1156 / (19) 90, 143, 175, 258, 314, 486, 696, 697, 717, 741, 814, 839, 840, 888, 904, 973, 980, 1052 / (20) 6, 7, 46, 190, 312, 350, 351, 352, 371, 376, 435, 489, 519, 629, 704, 720, 815, 816, 818, 930, 947, 1012, 1131 / (21) 7, 235, 549, 571, 739, 761, 837, 880, 887, 1006, 1039, 1068 / (22) 21, 381, 442, 457, 650, 690, 710  | 2278     | (2021.8)  | (21) 597, 686, 998, 1138 / (22) 273, 1138, 1159   |
| 2219     | (2021.8)  | (20) 821 / (21) 689, 782, 1041, 1097 / (22) 60, 196, 228  | 2284     | (2021.5)  | (20) 827 / (21) 690 / (22) 25, 59, 229, 382, 830  |
| 2226     | (2021.5)  | (20) 827  | 2300     | (2019.12) | (19) 1011, 1190, 1191, 1197, 1198 / (20) 10, 672, 873, 876, 878, 880, 889, 890, 980, 1020, 1025, 1030, 1087, 1127 / (21) 89, 93, 182, 241, 450, 486, 487, 650, 810 / (22) 855, 865, 887, 984, 1060  |
| 2227     | (2021.5)  | (21) 192, 386, 692, 973 / (22) 25, 28, 155, 197, 264, 553, 962, 965   | F2300    | (2019.12) | (19) 1011, 1190, 1191, 1197, 1198 / (20) 10, 672, 873, 876, 878, 880, 889, 890, 980, 1020, 1025, 1030, 1087, 1127 / (21) 89, 93, 182, 241, 450, 486, 487, 650, 810 / (22) 855, 865, 887, 984, 1060  |
| 2228     | (2020.8)  | (20) 42, 630, 818, 821 / (21) 76, 688, 689, 839 / (22) 22, 102, 108, 321, 1022  | 2400     | (2019.12) | (19) 1009 / (20) 158, 672, 873, 876, 878, 880, 980 / (21) 486 / (22) 555, 752, 774, 855, 865, 887   |
| 2235     | (2022.8)  | (22) 582  | F2400    | (2019.12) | (19) 1009 / (20) 158, 672, 873, 876, 878, 880, 980 / (21) 486 / (22) 555, 752, 774, 855, 865, 887   |
|          |           |   | 2408     | (2019.11) | (19) 1009, 1163, 1172 / (20) 101, 401, 402, 637, 638, 639, 672, 873, 875, 876, 878, 880, 980, 1070, 1086, 1109 / (21) 89, 239, 486, 807, 952, 953 / (22) 468, 555, 855, 1036  |
|          |           |   | 2409     | (2019.11) | (19) 1009, 1109, 1110, 1111 / (20) 402, 640, 651, 672, 878, 880, 934 / (22) 469, 555, 629, 819, 855, 1112   |
|          |           |   | F2409    | (2019.11) | (19) 1009, 1109, 1110, 1111 / (20) 402, 640, 651, 672, 878, 880, 934 / (22) 469, 555, 629, 819, 855, 1112   |
|          |           |   | 2412     | (2019.11) | (19) 910, 1077, 1162, 1205 / (20) 9, 85, 130, 180, 201, 202, 213, 251, 253, 549, 620, 679, 759, 782, 784, 832, 833, 834, 835, 836, 837, 838, 839, 840, 966, 968, 969, 970, 971, 972, 973, 1003, 1066, 1084, 1108 / (21) 10, 79, 80, 81, 82, |



| Chart No | Edition   | Notice No.  | Chart No | Edition   | Notice No.   |
|----------|-----------|---|----------|-----------|--|
|          |           | 137, 213, 301, 462, 485, 627, 632, 693, 694, 695, 856, 874, 904, 998, 1042, 1043, 1044 / (22) 9, 29, 30, 31, 32, 61, 63, 95, 354, 459, 528, 582, 641, 744, 754, 912, 1073, 1075, 1144, 1160   |          |           | 786, 815, 819, 820, 827 / (19) 42, 83, 84, 359, 428, 429, 585, 797, 798, 890, 891, 913, 944, 1163 / (20) 151, 203, 525, 620, 686, 874, 1003, 1019, 1023, 1068 / (21) 89, 162, 240 / (22) 230, 302, 531, 571, 583, 1011, 1165 |
| 2414     | (2019.8)  | (19) 275, 701, 1006, 1107 / (20) 75, 357, 620, 635, 970, 974, 978, 979, 980, 982, 1086 / (21) 80, 81, 85, 247, 485 / (22) 463, 466, 766, 1034   | 2471     | (2020.9)  | (20) 522, 1016 / (21) 571 / (22) 301, 396  |
| 2415     | (2019.9)  | (19) 624, 816, 912 / (20) 101, 131, 400, 438, 521, 522, 523, 524, 620, 637, 727, 728, 981, 983, 984, 1003, 1014, 1015, 1016, 1017, 1018, 1067 / (21) 23, 87, 88, 89, 161, 239, 486, 642, 941, 952, 1122 / (22) 65, 124, 210, 301, 414, 466, 529, 583, 652, 653, 730, 744, 1036, 1164  | 2472     | (2018.10) | (19) 799 / (20) 523, 620, 1017 / (21) 195  |
| 2431     | (2021.9)  | (21) 578 / (22) 95, 274, 459, 460, 486, 625, 744, 754, 912, 1006, 1033  | 2474     | (2020.9)  | (20) 637, 1014 / (21) 339, 340, 952 / (22) 529, 652, 1164  |
| 2432     | (2015.11) | (15) 212, 816 / (16) 248, 251, 427, 472, 703, 943 / (17) 510, 678, 679, 742, 809, 933 / (18) 115, 431, 579, 582, 813, 817, 860, 861, 862, 863, 864, 1058, 1060, 1112, 1136 / (19) 63, 64, 130, 162, 601, 612, 624, 794, 1099 / (20) 131, 238, 358, 400, 521, 979, 981, 983, 984, 1014 / (21) 23, 87, 88, 161, 579, 806, 941 / (22) 65, 124, 210, 466, 467, 529, 652, 730, 744, 1076, 1106, 1164 | 2477     | (2022.8)  | (22) 110   |
| 2439     | (2021.8)  | (21) 485, 981 / (22) 63, 64, 275, 461, 462, 463, 466, 528, 1033, 1034, 1105   | 2480     | (2018.6)  | (18) 245 / (19) 542, 592, 809, 938, 1008, 1151 / (20) 638, 639, 729, 875, 876 / (21) 212 / (22) 1022   |
| 2451     | (2022.8)  | (22) 467, 730, 1076   | 2500     | (2019.12) | (19) 911 / (20) 877, 1069 / (21) 983, 984 / (22) 555, 774, 865, 887  |
| 2452     | (2017.12) | (18) 115, 813, 817, 860, 863 / (19) 162, 559, 624, 794, 1033, 1099, 1177 / (20) 181, 521, 593, 727, 728, 957, 984, 1014 / (21) 23, 87, 161, 340, 793, 806, 941 / (22) 210, 466, 529, 652, 730, 744, 773, 1164   | 2507     | (2004.11) | (04) 101, 171, 194, 608, 761 / (05) 315, 361, 435, 716 / (13) 949  |
| 2453     | (2019.6)  | (19) 275 / (20) 274, 316, 466, 727, 978, 979, 982, 1086 / (21) 339 / (22) 465, 1035   | 2511     | (2021.7)  | (21) 302 / (22) 95, 264, 711, 744, 754   |
| 2467     | (2020.11) | (20) 785, 1017, 1018 / (21) 571, 941 / (22) 210, 396, 414, 530, 571, 583, 653, 1037   | 2512     | (2021.7)  | (21) 449 / (22) 5, 264, 486, 913   |
| 2470     | (2016.9)  | (16) 414, 868, 917, 941 / (17) 44, 210, 300, 317, 401, 456, 680, 681, 745, 810 / (18) 174, 190, 244, 393, 461, 495, 510,  | 2516     | (2020.11) | (20) 839, 969, 973, 1082, 1085 / (21) 193, 213, 256, 273, 1069 / (22) 95, 123, 354, 459, 744, 912, 1163  |
|          |           |   | 2526     | (2020.9)  | (20) 591, 969, 973, 1082, 1085 / (21) 193, 408, 1069 / (22) 123, 354, 460, 863, 1163   |
|          |           |   | 2551     | (2022.6)  | (20) 400   |
|          |           |   | 2566     | (2020.6)  | (18) 818 / (20) 523, 1017 / (22) 550, 723  |
|          |           |   | 2571     | (2020.7)  | (20) 151 / (22) 571, 583   |
|          |           |   | 2581     | (2020.7)  | (19) 83  |
|          |           |   | 2584     | (2021.6)  | (20) 1018 / (21) 982 / (22) 66, 157, 198, 414, 583   |
|          |           |   | 2622     | (2022.6)  | (22) 110   |
|          |           |   | 2625     | (2016.4)  | (15) 180 / (16) 270 / (19) 1008 / (20) 639, 876 / (22) 1022  |
|          |           |   | 2711     | (2021.9)  | (21) 45 / (22) 35, 336, 855, 1096, 1107, 1147  |
|          |           |   | 2712     | (2019.9)  | (19) 768, 1110, 1111 / (20) 151, 161, 620, 687, 689, 705, 706, 733, 880, 884, 886 / (21) 90 / (22) 641, 1109   |
|          |           |   | 2713     | (2021.9)  | (21) 629, 784, 953 / (22) 336, 337, 468, 555, 654, 755, 855, 981, 1108   |
|          |           |   | 2714     | (2019.9)  | (19) 767, 795, 1010, 1085, 1109 / (20) 161, 190, 303, 620, 640, 651, 706, 732, 733, 734, 883, 885, 886, 887, 934 / (21) 90, 124, 184 / (22) 469, 629, 641, 1108,   |

| Chart No | Edition   | Notice No.  | Chart No | Edition   | Notice No.  |
|----------|-----------|---|----------|-----------|---|
|          |           | 1111, 1112  |          |           | 1035, 1069 / (21) 430, 450, 1100 / (22) 470   |
| 2753     | (2019.8)  | (19) 795, 1109 / (20) 190, 731, 761, 883 / (22) 126, 1022   | 3011     | (2022.11) | (22) 756, 1114  |
| 2754     | (2018.10) | (18) 627 / (19) 81, 139, 160, 177, 275, 359, 601, 733, 742, 1010 / (20) 303, 640, 651, 732, 734, 885, 887, 934 / (21) 91, 180, 184, 212, 341, 534 / (22) 128, 383, 469, 629, 1022, 1110   | 3012     | (2018.11) | (19) 249, 346   |
| 2755     | (2014.12) | (15) 535, 671, 781, 782 / (16) 25, 29, 195, 272, 315, 736 / (17) 162, 174, 332, 530, 600, 677, 697, 719, 912 / (18) 66, 141, 364, 581, 625, 943, 986, 998, 1017, 1150 / (19) 148, 378, 541, 601, 615, 616, 655, 1111, 1130 / (20) 161, 190, 705, 706, 733, 884, 886 / (21) 90, 915 / (22) 523, 556, 602, 1022, 1109 | 3013     | (2018.11) | (19) 17, 249, 250, 254, 255, 515, 516   |
| 2756     | (2014.12) | (15) 417, 671, 781 / (16) 244, 272, 315, 425 / (18) 625 / (19) 614, 699, 768, 1110 / (20) 151, 689, 705, 884 / (22) 127, 1109   | F3017    | (2022.11) | (22) 756, 1114  |
| 2757     | (2019.7)  | (19) 192, 654, 698, 1009, 1189 / (20) 52, 92, 151, 317, 391, 641, 673, 687, 730, 880 / (21) 46 / (22) 125, 955, 1096, 1107, 1147  | F3018    | (2019.12) | (18) 914  |
| 2759     | (2022.7)  | (21) 580 / (22) 1022, 1110, 1111  | 3100     | (2021.11) | (21) 917, 1013 / (22) 303, 733, 735, 916, 1114  |
| 2760     | (2020.8)  | (17) 935 / (20) 877   | F3100    | (2021.11) | (21) 917, 1013 / (22) 303, 733, 735, 916, 1114  |
| 2801     | (2022.7)  | (21) 954  | 3111     | (2018.8)  | (18) 499, 823, 824, 825 / (19) 184, 185, 300, 314, 378, 618, 802, 914, 1195, 1197 / (20) 88, 405, 409, 527, 528, 594, 889, 891, 986, 1021, 1022, 1025, 1027, 1028 / (21) 24, 93, 216, 314, 362, 366, 552, 608, 630, 760, 810 / (22) 67, 68, 144, 231, 339, 362, 557, 655, 657, 731, 866, 914, 974 |
| 2803     | (2019.4)  | (18) 424 / (19) 1108 / (20) 688 / (21) 71 / (22) 360, 654, 755  | 3112     | (2022.11) | (22) 834, 963, 982, 983, 1011, 1165   |
| 2804     | (2021.6)  | (20) 883 / (21) 808, 888 / (22) 555, 654, 755   | 3113     | (2022.10) | (22) 659  |
| 2805     | (2019.5)  | (19) 11, 382, 617 / (20) 700, 883 / (21) 888 / (22) 354, 361  | 3114     | (2018.10) | (18) 292, 829, 909, 1063 / (19) 292, 585, 618, 1152, 1191, 1195, 1197 / (20) 11, 409, 411, 889, 890, 986, 1027, 1029, 1030 / (21) 93, 94, 452, 453, 454, 582 / (22) 67, 69, 73, 363, 533, 557, 914  |
| 2811     | (2014.12) | (14) 437 / (15) 223 / (16) 777 / (17) 959 / (18) 71, 767 / (19) 81, 139, 160, 177, 275 / (20) 732 / (21) 180, 212, 341, 534 / (22) 371  | 3115     | (2018.10) | (16) 1034 / (19) 1190 / (20) 404, 594, 642, 888, 1020 / (21) 92, 450, 607, 760, 1071 / (22) 231, 731, 797, 866  |
| 2813     | (2022.7)  | (21) 915 / (22) 602   | 3131     | (2022.9)  | (22) 657, 963, 982, 983   |
| 2819     | (2015.7)  | (13) 244 / (15) 780 / (16) 554 / (18) 16, 1115 / (19) 41, 601, 698, 1045 / (20) 92, 317, 391, 687, 880 / (21) 46 / (22) 125, 955, 1022  | 3135     | (2022.10) | (22) 535, 732, 835, 984   |
| 2826     | (2020.8)  | (17) 935 / (20) 877   | 3137     | (2016.9)  | (15) 606 / (16) 778, 837 / (17) 229, 302, 721, 735, 915, 916 / (18) 20, 416, 499, 510, 824, 825 / (19) 183, 184, 300, 314, 364, 914 / (20) 88, 214, 248, 406, 527, 528, 787, 1021, 1022 / (21) 24, 215, 552, 760, 985 / (22) 231, 276, 362, 487, 655, 676, 937, 1022, 1038                        |
| 3010     | (2018.11) | (18) 830 / (19) 452, 1008, 1012, 1156, 1190, 1191, 1198, 1199, 1200 / (20) 855, 856, 857, 876, 877, 890, 897, 980, 1020,  | 3139     | (2017.11) | (17) 435, 850, 973 / (18) 176, 289, 290, 829, 909, 924, 946, 1063, 1064 / (19) 275, 292, 544, 1152, 1191 / (20) 11, 411, 441, 530, 890, 1029, 1030 / (21) 94, 452, 453, 986 / (22) 36, 52, 69, 533, 585   |
|          |           |   | 3154     | (2022.8)  | (22) 68, 657, 963, 1113   |
|          |           |   | 3155     | (2022.8)  | (22) 535, 658, 836  |
|          |           |   | 3162     | (2022.10) | (22) 535, 867   |

| Chart No | Edition   | Notice No.   | Chart No | Edition   | Notice No.  |
|----------|-----------|--|----------|-----------|---|
| 3163     | (2022.9)  | (22) 534, 732, 867, 984  | 3466     | (2022.8)  | (22) 278, 692, 1116, 1117   |
| 3183     | (2016.6)  | (15) 129 / (16) 1033 / (17) 782 / (18) 907 / (19) 182, 345 / (20) 391, 404 / (21) 92   | 3467     | (2022.8)  | (22) 490, 663, 737, 775   |
| 3200     | (2021.11) | (21) 430 / (22) 587, 692, 916, 1022  | 3469     | (2020.8)  | (20) 534 / (21) 122, 138, 842, 904 / (22) 10, 665, 714, 819   |
| F3200    | (2021.11) | (21) 430 / (22) 587, 692, 916, 1022  | 3470     | (2020.8)  | (20) 175, 576, 856, 946, 995, 1148 / (21) 30, 52, 138, 371, 554, 597, 904, 938, 1048, 1051, 1066, 1073, 1116 / (22) 41, 79, 93, 146, 160, 588, 819, 932, 1008 |
| 3216     | (2022.7)  | (21) 181 / (22) 1022   | 3471     | (2021.12) | (21) 1049, 1116 / (22) 41, 52, 79, 146, 279, 777, 819, 1042, 1118   |
| 3265     | (2017.7)  | (16) 43 / (19) 495 / (22) 452, 502   | 3478     | (2020.8)  | (20) 486, 736, 855, 857, 862, 994, 1147 / (21) 672 / (22) 939, 1007   |
| 3300     | (2017.12) | (18) 1092 / (19) 1143, 1160  | 3484     | (2022.8)  | (22) 513  |
| 3305     | (2016.4)  | (14) 819 / (18) 829 / (19) 275 / (20) 338 / (21) 453 / (22) 533  | 3489     | (2022.9)  | (22) 537, 938   |
| 3308     | (2017.10) | (15) 422 / (18) 289, 650, 909, 1063 / (19) 495 / (20) 337, 411, 506, 1030 / (21) 452 / (22) 626  | 3493     | (2020.7)  | (19) 955 / (20) 943, 1133 / (21) 49   |
| 3328     | (2019.5)  | (19) 292, 1152 / (20) 11, 337, 411, 1030 / (21) 452 / (22) 626   | 3521     | (2022.6)  | (21) 1050 / (22) 513, 603, 661  |
| 3411     | (2022.10) | (22) 715, 734, 888, 889  | 3522     | (2022.6)  | (22) 212, 550, 1039   |
| 3412     | (2022.10) | (22) 539, 735, 889, 890  | 3527     | (2017.6)  | (16) 859 / (17) 375 / (18) 70 / (19) 956, 962 / (20) 382, 519, 944 / (21) 998 / (22) 171, 212, 397, 550   |
| 3413     | (2022.10) | (22) 628, 736, 759, 985  | 3529     | (2021.4)  | (21) 165, 513 / (22) 628  |
| 3415     | (2022.10) | (22) 692, 776, 778, 798, 869, 974, 1008, 1041, 1078, 1116  | 3531     | (2021.6)  | (21) 230, 631, 731, 874 / (22) 232, 630, 723, 837, 1077, 1079   |
| 3416     | (2021.10) | (21) 672, 1103 / (22) 38, 93, 130, 131, 214, 443, 778, 798, 904, 939, 1007, 1041, 1078   | 3550     | (2021.6)  | (21) 370  |
| 3417     | (2021.10) | (21) 697, 920, 921, 1072 / (22) 214, 247, 560, 713, 904  | 3556     | (2019.5)  | (18) 1119 / (19) 451, 805 / (20) 56, 264, 383, 418, 442, 575 / (21) 460, 666 / (22) 502   |
| 3418     | (2022.10) | (21) 1125  | 3557     | (2018.7)  | (18) 354, 910 / (19) 191, 248, 984 / (20) 127, 219, 248, 475, 575 / (21) 197, 218, 235, 362, 460, 742 / (22) 78, 98, 159, 213, 264, 278, 1167                 |
| 3432     | (2018.8)  | (18) 450, 596, 733, 877, 917 / (19) 14, 164, 189, 359, 387, 495, 585, 663, 803, 846, 847, 848, 894, 948, 949, 951, 1013, 1014 / (20) 53, 54, 113, 215, 252, 416, 480, 614, 762, 939 / (21) 26, 118, 258, 368 / (22) 37, 96, 246, 322, 513, 539, 660, 705, 890, 891, 1115, 1119 | 3562     | (2022.7)  | (22) 415  |
| 3436     | (2022.8)  | (22) 443, 798, 1078, 1116, 1167  | 3608     | (2020.8)  | (20) 57, 856, 1113 / (21) 232, 252, 554 / (22) 7, 869   |
| 3437     | (2022.10) | (22) 692, 737, 775, 1116, 1117   | 3612     | (2020.11) | (20) 856 / (21) 138, 390, 842, 922  |
| 3438     | (2021.12) | (21) 1051 / (22) 7, 10, 52, 93, 588, 665, 714, 776, 777, 819, 869, 932, 1008   | 3614     | (2020.8)  | (20) 174, 856, 946 / (21) 30, 138, 597, 904, 938, 1048, 1051 / (22) 93, 160, 819, 932, 1008   |
| 3451     | (2022.6)  | (21) 100   | 3620     | (2020.8)  | (20) 58, 859 / (21) 212, 525, 571, 1090 / (22) 444  |
| 3456     | (2022.6)  | (22) 323   | 3636     | (2022.7)  | (22) 130  |
| 3457     | (2022.8)  | (22) 550, 759  | 3637     | (2021.7)  | (20) 857 / (21) 1103 / (22) 778   |
| 3458     | (2022.8)  | (22) 232, 628, 630, 662, 759, 985, 1040, 1077, 1079  | 3711     | (2022.10) | (22) 233, 757, 778, 1041  |
| 3459     | (2022.8)  | (21) 989 / (22) 662, 985   | 3712     | (2017.11) | (16) 1027 / (19) 452, 896, 917, 1058 / (20) 860, 861, 862 / (21) 939 / (22) 8, 38, 233, 757, 778, 870   |
| 3460     | (2021.8)  | (21) 409, 990 / (22) 199, 305, 507, 705, 868   |          |           |   |

| Chart No | Edition   | Notice No.   | Chart No | Edition   | Notice No.   |
|----------|-----------|--|----------|-----------|--|
| 3713     | (2017.11) | (21) 722   | 6209     | (2014.9)  | (14) 458, 865 / (15) 296 / (16) 166 / (18) 617, 642, 701 / (19) 333, 685 / (20) 666  |
| 3714     | (2017.11) | (16) 923 / (17) 914 / (18) 104, 216, 523, 833, 1030, 1044 / (19) 45, 388 / (20) 234, 244, 863, 864 / (21) 812 / (22) 215                           | 6210     | (2016.4)  | (16) 168, 264 / (17) 448 / (20) 395, 588 / (21) 114, 271 / (22) 614, 682   |
| 3715     | (2017.11) | (19) 1160  | 6211     | (2016.7)  | (16) 442, 507 / (19) 57, 215, 217 / (20) 397 / (21) 480  |
| 3716     | (2017.11) | (17) 803   | 6212     | (2022.6)  | (22) 266, 960, 1001, 1010  |
| 3717     | (2016.10) |  | 6213     | (2016.7)  | (15) 357 / (16) 508 / (17) 504 / (19) 462 / (22) 683   |
| 3720     | (2016.6)  | (16) 547   | 6214     | (2015.8)  | (15) 320 / (16) 509 / (19) 103 / (20) 1061 / (21) 71   |
| 3721     | (2016.10) | (18) 1092 / (19) 18, 296   | 6301     | (2015.6)  | (14) 904 / (15) 674 / (18) 184, 238 / (19) 443, 559 / (20) 918, 1007 / (21) 973  |
| 3733     | (2017.11) | (16) 1027 / (19) 452 / (20) 444, 861   | 6302     | (2019.4)  | (15) 650 / (20) 919, 1139  |
| 3734     | (2017.10) | (17) 762   | 6303     | (2015.7)  | (13) 850 / (15) 621 / (18) 356, 752, 1121 / (19) 418, 469, 1030 / (22) 374   |
| 3751     | (2021.12) | (21) 940   | 6304     | (2017.9)  | (17) 415, 838 / (18) 5, 183, 381, 618, 924, 1080 / (19) 559, 587, 688, 783, 1026 / (20) 194, 565, 921, 1139 / (21) 5, 668 / (22) 18, 439   |
| 3754     | (2021.12) | (21) 939 / (22) 233, 757, 778, 870   | 6305     | (2016.4)  | (14) 906 / (19) 690, 879 / (20) 922 / (21) 532, 647 / (22) 1146  |
| 3772     | (2017.10) | (17) 654, 914 / (18) 104, 169, 216, 523, 833, 1017, 1044, 1069 / (19) 45 / (20) 234, 244, 487, 490, 615, 863, 864, 1072 / (21) 719, 843 / (22) 215 | 6306     | (2021.4)  | (20) 476 / (22) 242, 705   |
| F3791    | (2022.11) | (22) 692   | 6307     | (2015.7)  | (15) 64 / (17) 409 / (18) 356 / (20) 475, 923, 1077 / (21) 698, 775, 1037  |
| F3792    | (2020.11) | (20) 858 / (21) 812 / (22) 471   | 6308     | (2017.12) | (19) 691 / (20) 519, 924 / (22) 577, 705   |
| 3839     | (2016.5)  | (13) 382 / (17) 379 / (19) 452 / (20) 861  | 6309     | (2017.12) | (17) 764 / (18) 80, 140, 260 / (19) 46, 559, 692 / (20) 227, 236, 330, 872, 925, 1139 / (21) 648, 669, 1002 / (22) 684                     |
| 3871     | (2017.10) | (17) 654 / (18) 104, 216, 523 / (20) 615, 864, 1072 / (21) 287, 719  | 6310     | (2017.12) | (15) 526 / (18) 924 / (19) 693 / (20) 926 / (21) 400 / (22) 268  |
| S4001    | (2018. 1) |  | 6311     | (2021.4)  | (21) 156, 575, 978 / (22) 376, 1002  |
| 4100     | (2018.11) | (20) 1069  | 6312     | (2015.9)  | (14) 1013 / (15) 831 / (16) 64, 111 / (17) 735 / (18) 229 / (19) 334 / (20) 196, 268, 462, 776 / (21) 157, 284, 1094 / (22) 270, 917, 1003 |
| F4100    | (2018.11) | (20) 1069  | 6313     | (2015.10) | (14) 1014 / (16) 64, 466, 484 / (18) 47, 710 / (19) 758 / (20) 426, 929 / (22) 440   |
| 4200     | (2018.11) | (20) 1069  | 6314     | (2015.10) | (15) 257, 704 / (16) 936 / (17) 25, 328, 335, 646, 666, 931, 943 / (18) 79 / (19) 537, 979 / (20) 777 / (22) 56                            |
| 4300     | (2018.11) | (13) 949   | 6315     | (2015.10) | (15) 586 / (16) 606 / (17) 397, 524 / (18) 171, 931 / (19) 601, 828 / (20) 1063 / (21) 238, 736  |
| 4400     | (2018.11) | (18) 1082  | 6316     | (2018.6)  | (17) 441 / (19) 421, 777 / (20) 1064 / (21) 737 / (22) 107, 1004   |
| 4500     | (2018.11) | (18) 1082  |          |           |  |
| 4700     | (2018.11) |  |          |           |  |
| 4800     | (2015.6)  | (15) 351   |          |           |  |
| 6201     | (2021.5)  | (20) 961   |          |           |  |
| 6202     | (2021.5)  | (20) 1053 / (22) 766, 1026   |          |           |  |
| 6203     | (2022.6)  | (20) 587   |          |           |  |
| 6204     | (2015.6)  | (14) 630 / (15) 408 / (16) 162, 502 / (17) 640 / (20) 1054   |          |           |  |
| 6205     | (2022.6)  | (20) 1055  |          |           |  |
| 6206     | (2017.6)  | (15) 464 / (17) 578, 930 / (18) 465, 699, 992 / (19) 418, 737 / (20) 1056 / (22) 680, 1066   |          |           |  |
| 6207     | (2015.11) | (15) 295 / (16) 165, 504 / (17) 504 / (18) 359, 370 / (19) 462 / (20) 1, 63, 153, 1057 / (21) 155  |          |           |  |
| 6208     | (2013.11) | (15) 295 / (16) 506 / (17) 504 / (19) 462, 468 / (20) 235, 702, 1057, 1114 / (21) 507, 530, 924 / (22) 355, 681                                    |          |           |  |

| Chart No | Edition   | Notice No.  | Chart No | Edition   | Notice No.  |
|----------|-----------|---|----------|-----------|---|
| 6317     | (2015.6)  | (14) 660 / (19) 336, 462 / (20) 812 / (21) 480 / (22) 227, 579, 1070  | 6403     | (2017.6)  | (13) 876 / (19) 529 / (20) 569, 636, 670  |
| 6318     | (2019.4)  | (19) 3, 424, 841, 887, 1175 / (20) 813 / (21) 716 / (22) 379, 580, 729  | 6404     | (2013.11) | (19) 701 / (20) 970 / (22) 1032   |
| 6319     | (2014.9)  | (15) 153 / (16) 754, 773 / (18) 461 / (19) 105, 425 / (20) 502, 726, 815 / (21) 272, 973                                | 6405     | (2013.11) | (13) 318 / (18) 1055 / (20) 975   |
| 6320     | (2013.9)  | (14) 599, 869 / (17) 524 / (19) 239 / (20) 299, 821 / (21) 550, 973 / (22) 885, 935                                     | 6406     | (2013.12) | (15) 807 / (20) 975   |
| 6321     | (2013.8)  | (20) 609, 824 / (21) 191, 741 / (22) 1022   | 6407     | (2014.5)  | (13) 372 / (18) 429, 648, 903 / (19) 130 / (20) 979   |
| 6322     | (2013.9)  | (16) 377 / (17) 173 / (20) 819 / (21) 649, 653  | 6408     | (2014.5)  | (13) 281 / (16) 113 / (18) 392, 1059 / (19) 63, 659 / (20) 50, 981 / (22) 216                                   |
| 6323     | (2021.5)  | (20) 1105 / (21) 385, 686   | 6409     | (2022.6)  | (21) 88   |
| 6324     | (2016.6)  | (15) 834 / (20) 820   | 6410     | (2013.12) | (21) 387  |
| 6325     | (2016.6)  | (15) 121 / (19) 326 / (20) 545, 820 / (21) 973  | 6411     | (2016.7)  | (16) 131, 496 / (18) 179 / (19) 275 / (20) 982  |
| 6326     | (2016.6)  | (16) 236, 753 / (18) 899 / (19) 900 / (20) 546, 822 / (21) 973  | 6412     | (2015.6)  | (15) 808 / (16) 397 / (20) 522  |
| 6327     | (2016.6)  | (15) 399 / (16) 404 / (18) 468, 1044, 1053 / (20) 826 / (22) 1022   | 6413     | (2020.7)  | (18) 818 / (21) 606 / (22) 723  |
| 6328     | (2013.8)  | (14) 195 / (20) 823 / (21) 973  | 6414     | (2015.6)  | (18) 817 / (19) 67, 1176  |
| 6329     | (2016.8)  | (13) 74 / (20) 1139 / (21) 936 / (22) 1022  | 6415     | (2012.10) | (15) 212 / (20) 521   |
| 6330     | (2016.7)  | (15) 123 / (19) 743 / (20) 831, 932 / (21) 973 / (22) 27  | 6416     | (2012.10) | (15) 388 / (18) 813 / (19) 794, 1033, 1177 / (20) 181, 328, 380, 521, 593 / (21) 161, 793 / (22) 529, 744       |
| 6331     | (2013.8)  | (21) 1098   | 6417     | (2012.10) | (15) 809 / (18) 816 / (19) 772, 1007 / (20) 86, 504, 1016 / (21) 388 / (22) 723                                 |
| 6332     | (2013.8)  | (17) 370, 885 / (18) 891, 1024 / (20) 350, 833 / (22) 523   | 6418     | (2013.10) | (13) 147 / (18) 814 / (19) 299 / (20) 1015 / (21) 486   |
| 6333     | (2019.4)  | (18) 461 / (20) 548, 829, 1132 / (21) 77 / (22) 1022  | 6419     | (2013.10) | (15) 389, 588, 681  |
| 6334     | (2013.8)  | (16) 612 / (20) 833   | 6420     | (2016.5)  | (14) 1047 / (17) 210 / (18) 819   |
| 6335     | (2022.6)  | (20) 835  | 6421     | (2013.10) | (18) 815 / (19) 798   |
| 6336     | (2013.8)  | (16) 535 / (18) 489, 1025 / (20) 211, 836 / (21) 577, 754 / (22) 32, 911  | 6422     | (2022.6)  | (20) 1023 / (22) 584  |
| 6337     | (2013.8)  | (13) 334 / (14) 664 / (15) 79 / (17) 238, 410 / (18) 11 / (19) 681 / (20) 833, 836 / (21) 937                           | 6423     | (2022.8)  | (21) 367 / (22) 982   |
| 6338     | (2013.12) | (15) 387 / (18) 539, 731, 854, 940, 975, 977, 1028, 1106 / (19) 1105, 1128 / (20) 377, 837, 967, 1098 / (21) 302, 621   | 6424     | (2019.4)  | (18) 824 / (19) 402, 489 / (20) 214, 277, 359, 528, 1022 / (21) 181, 451  |
| 6339     | (2020. 9) | (20) 755  | 6425     | (2012.9)  | (16) 369 / (18) 825 / (20) 1021   |
| 6401     | (2020.7)  | (20) 399, 591, 973 / (21) 408 / (22) 460, 863   | 6426     | (2015.9)  | (15) 129 / (19) 345 / (20) 404 / (21) 92  |
| 6402     | (2013.12) | (13) 317 / (17) 188, 887 / (18) 13, 492, 621 / (19) 128, 129, 418, 660, 1032 / (20) 49, 972 / (22) 33, 40, 63, 109, 461 | 6427     | (2017.7)  | (16) 859 / (18) 433, 553 / (19) 443 / (20) 409 / (22) 67  |
|          |           |   | 6428     | (2017.6)  | (15) 898 / (20) 412, 1031 / (21) 754 / (22) 70, 732   |
|          |           |   | 6429     | (2022.6)  | (21) 811  |
|          |           |   | 6430     | (2019.5)  | (18) 1138 / (20) 414 / (21) 319   |
|          |           |   | 6431     | (2013.9)  | (13) 269 / (14) 666 / (16) 26, 1036 / (18) 447, 599 / (19) 106, 664 / (20) 415, 648, 1037 / (21) 931 / (22) 558 |
|          |           |   | 6432     | (2017.9)  | (17) 377 / (18) 497, 542, 1066 / (20) 936   |
|          |           |   | 6433     | (2017.9)  | (17) 373 / (19) 132 / (20) 938 / (21) 321, 343, 886 / (22) 6, 538   |
|          |           |   | 6434     | (2019.4)  | (18) 1120 / (19) 260, 1129 / (20) 937 / (21) 457 / (22) 915   |

| Chart No | Edition   | Notice No.   |
|----------|-----------|--|
| 6435     | (2017.6)  | (17) 334 / (18) 424 / (19) 848 / (20) 54, 215, 939   |
| 6436     | (2019.4)  | (18) 1139 / (19) 954 / (20) 248, 942   |
| 6437     | (2014.6)  | (13) 750 / (17) 481 / (19) 247 / (20) 943 / (21) 37, 49  |
| 6438     | (2020.10) | (22) 466   |
| 6439     | (2022.6)  | (22) 483, 1166   |
| 6440     | (2020.10) | (20)   |
| 6441     | (2020.10) | (20) 914   |
| 6501     | (2017.6)  | (14) 46 / (19) 224, 957, 958 / (20) 944 / (21) 37, 344   |
| 6502     | (2017.7)  | (17) 376 / (19) 91, 133, 450 / (20) 417 / (22) 1012  |
| 6503     | (2021.4)  | (18) 598   |
| 6504     | (2016.7)  | (14) 729 / (20) 125, 218, 990 / (21) 931 / (22) 199  |
| 6505     | (2016.6)  | (16) 297 / (17) 178, 378, 735, 790, 936, 937 / (18) 1003, 1004, 1072, 1140 / (19) 15, 93, 99, 368, 572, 573, 733, 806, 960, 983 / (20) 362, 482, 991, 1135 / (21) 931, 990 |
| 6506     | (2016.7)  | (14) 732 / (18) 142, 260, 562 / (19) 96, 1026 / (20) 483   |
| 6507     | (2015.12) | (15) 627 / (18) 461 / (19) 248   |
| 6508     | (2014.6)  | (14) 734 / (15) 576, 608, 790 / (18) 277, 300, 301 / (20) 319 / (21) 166, 841, 845, 956  |
| 6509     | (2020.10) | (21) 17  |
| 6601     | (2014.7)  | (15) 590 / (16) 564, 758 / (18) 316, 747, 761 / (19) 632, 725 / (20) 190 / (21) 29, 120, 132, 305 / (22) 415   |
| 6602     | (2014.5)  | (20) 862   |
| 6603     | (2015.10) | (15) 591 / (16) 131 / (19) 491 / (20) 862 / (21) 322 / (22) 757  |
| 6604     | (2016.10) | (16) 831   |
| 6605     | (2020.5)  | (20) 857   |
| 6606     | (2016.10) | (16) 831   |
| 6607     | (2020.10) | (21) 992   |
| 6901     | (2013.12) | (13) 165 / (14) 315, 843 / (15) 169, 787 / (16) 277 / (17) 16, 648, 811 / (19) 27, 244 / (20) 440, 881 / (21) 71   |
| 6902     | (2013.12) | (14) 843 / (17) 453 / (20) 879 / (21) 525  |
| 6903     | (2013.12) | (16) 736 / (17) 174, 332, 530 / (18) 364, 986 / (19) 1111, 1130 / (20) 190, 526, 689, 884  |
| 6904     | (2013.12) | (13) 640 / (18) 986, 1027 / (20) 706,  |

| Chart No | Edition   | Notice No.   |
|----------|-----------|--|
|          |           | 757, 886 / (21) 71   |
| 6905     | (2013.12) | (15) 783 / (16) 274 / (17) 455 / (19) 1010 / (20) 303, 887 / (22) 936                              |
| 6906     | (2013.12) | (15) 399, 439, 532, 533, 886 / (16) 558 / (18) 245 / (19) 542, 592, 809, 938 / (20) 875 / (21) 212 |

Source Korea Hydrographic and Oceanographic Agency

| Pub No. | Edition  | Notice No.  |
|---------|----------|---|
| 110     | 2019. 12 |   |
| 120     | 2017. 12 |   |
| 130     | 2018. 12 |   |
| 140     | 2013. 7  |   |
| 150     | 2018. 12 |   |
| 210     | 2018. 12 |   |
| 220     | 2018. 12 |   |
| 250     | 2017. 12 |   |
| 310     | 2022. 10 | (22) 1064   |
| 410     | 2021. 4  | (22) 731, 733, 734, 737, 753, 755, 757, 769, 770, 771, 772, 775, 776, 777, 778, 793, 794, 795, 796, 825, 826, 828, 829, 830, 834, 835, 836, 860, 861, 862, 863, 864, 866, 867, 868, 869, 870, 885, 886, 888, 889, 890, 891, 910, 911, 912, 913, 914, 935, 937, 938, 939, 959, 960, 961, 962, 963, 978, 979, 980, 981, 982, 983, 984, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1027, 1028, 1029, 1030, 1031, 1034, 1036, 1038, 1039, 1040, 1042, 1064, 1066, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1097, 1099, 1104, 1113, 1114, 1115, 1118, 1134, 1135, 1136, 1143, 1160, 1164, 1165, 1166, 1167 |
| 510     | 2021. 10 | (22) 1064   |
| 520     | 2021. 11 | (21) 1119   |
| 530     | 2021. 12 | (21) 1119   |
| 610     | 2015. 12 |   |
| 610-1   | 2015. 12 |   |
| 620     | 2015. 12 |   |
| 620-1   | 2015. 12 |   |
| 620-2   | 2015. 12 |   |
| 620-3   | 2015. 12 |   |
| 621     | 2015. 3  |   |
| 621-1   | 2015. 3  |   |
| 621-2   | 2015. 3  |   |
| 621-3   | 2015. 3  |   |
| 622     | 2015. 2  |   |
| 623     | 2015. 2  |   |
| 623-1   | 2015. 2  |   |
| 623-2   | 2015. 2  |   |
| 630     | 2015. 2  |   |
| 630-1   | 2015. 2  |   |
| 630-2   | 2015. 2  |   |
| 631     | 2015. 2  |   |
| 632     | 2014. 11 |   |
| 632-1   | 2014. 11 |   |
| 633     | 2014. 11 |   |
| 634     | 2014. 11 |   |
| 634-1   | 2014. 11 |   |
| 634-2   | 2014. 11 |   |
| 634-3   | 2014. 11 |   |
| 635     | 2014. 11 |   |
| 810     | 2021. 12 | (20) 1140 (21) 18, 39, 401, 402, 424, 425, 426, 428, 429, 444, 445, 481, 482, 503, 504, 527, 528, 572, 573, 598, 599, 622, 623, 643, 644, 645, 663, 664, 680, 681, 712, 713, 733, 734, 755, 756, 776, 777, 801, 802, 831, 832, 857, 858, 875, 876, 905, 906, 974, 975, 999, 1000, 1033, 1034, 1091, 1092, 1117, 1119, 1134, (22) 1, 225, 226, 436, 437, 482, 483, 504, 505, 524, 525, 550, 572, 573, 575, 615, 616, 617, 677, 678, 706, 707, 724, 725, 745, 746, 747, 790, 791, 820, 821, 822, 856, 857, 858, 905, 906, 956, 957, 975, 976, 997, 998, 1023, 1024, 1061, 1062, 1064, 1065,   |
| 910     | 2021. 11 | (21) 1119   |

Source Korea Hydrographic and Oceanographic Agency

## PART IV

### LIST OF LIGHTS (PUB. No.410)

| No.            | Name                     | Position                | Characteristics   | Elev.<br>(m) | Range<br>(M) | Color.<br>Structure,<br>Height (m)   | Remarks                         |
|----------------|--------------------------|-------------------------|-------------------|--------------|--------------|--------------------------------------|---------------------------------|
| <b>2201.7</b>  |                          |                         | Removed from List |              |              |                                      | NIM No.52/1180,2022             |
| <b>2494.1</b>  | Uisatoe<br>소리도<br>해상기상탑등 | 34-13.31N<br>127-43.68E | Fl(4) Y 8s        | 29           | 9            | Y 3-sided<br>steel tower<br>100      | NIM No.52/1181,2022             |
| <b>2676.1</b>  | jeju<br>제주<br>한림1호기      | 33-26.36N<br>126-15.07E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>2676.4</b>  | jeju<br>제주<br>한림4호기      | 33-26.47N<br>126-14.81E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>2676.7</b>  | jeju<br>제주<br>한림7호기      | 33-26.68N<br>126-15.19E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>2676.10</b> | jeju<br>제주<br>한림10호기     | 33-27.13N<br>126-15.11E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>2676.13</b> | jeju<br>제주<br>한림13호기     | 33-27.00N<br>126-15.34E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>2676.16</b> | jeju<br>제주<br>한림16호기     | 33-26.78N<br>126-15.79E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>2676.17</b> | jeju<br>제주<br>한림17호기     | 33-27.09N<br>126-15.92E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>2676.18</b> | jeju<br>제주<br>한림18호기     | 33-27.21N<br>126-15.70E |                   |              |              |                                      | NIM No.52/1182,2022<br>(Insert) |
| <b>3365.1</b>  | Dantan<br>단탄<br>등표       | 37-15.80N<br>126-05.34E | Fl(2) W 10s       | 19           | 7            | BRB round<br>concrete<br>tower<br>17 | NIM No.52/1183,2022<br>(Insert) |



# Price List of Nautical Charts and Publications

1 January 2023 (Revised)

## 1. Nautical Chart

| Description    | Size | Price(₩) |
|----------------|------|----------|
| Nautical chart | Full | 20,700   |
| "              | 1/2  | 18,800   |
| "              | 1/4  | 17,500   |

## 2. Electronic Navigational Chart (ENC)

\*Unit: ₩ (Korean Won)

| Description               | Size | Price(₩) | Description   | Size | Price(₩) |
|---------------------------|------|----------|---------------|------|----------|
| ENC<br>(Licence for 1 yr) | Cell | 7,500    | Digital Chart | Full | 20,700   |
|                           |      |          | "             | 1/2  | 7,500    |

※ In case of additional purchase within the license period, discount rate is applied.

| License period | 0~3 months | 3~6 months | 6~9 months | 9~12 months |
|----------------|------------|------------|------------|-------------|
| Discount rate  | 0%         | 25%        | 50%        | 75%         |

## 3. Nautical Publications

| No. | Title                      | Price(₩) | No.     | Title                                  | Price(₩) |
|-----|----------------------------|----------|---------|--|----------|
| 110 | East Coast of Korea Pilot  | 38,500   | 310     | Nautical Almanac                       | 18,700   |
| 120 | South Coast of Korea Pilot | 40,200   | 410     | List of Lights                         | 17,300   |
| 130 | West Coast of Korea Pilot  | 40,200   | 510     | Tide Tables; Coast of Korea            | 15,000   |
| 140 | Coast of China Pilot       | 33,500   | 520     | Tide Tables; Pacific & Indian Ocean    | 20,100   |
| 150 | Malacca Strait Pilot       | 36,400   | 530     | Tidal Current Tables                   | 21,200   |
| 210 | Coastwise Passage Pilot    | 32,200   | 610~635 | Tidal Current Charts                   | 12,200   |
| 220 | Ocean Passage Pilot        | 36,400   | 810     | Catalogue of Charts and Publications   | 8,600    |
| 250 | Nautical Distance Table    | 21,400   | 910     | Charts Symbols Abbreviations and Terms | 11,700   |

## KOSREP(Korean Ship Reporting System)

### KOSREP

- KOSREP as protection system of navigating vessels would like to request your positive participation as far as possible to perform a practical and effective maritime search and rescue operation from sea casualties.

### Service Area

- Sea area bounded by both Latitudes between 30°N and 40°N and longitudes between 121°E and 135°E

### Participating Ships

- International passenger ships
- International cargo ships of 300 gross tonnage and upwards with a navigating period of more than 12 hours
- Vessels which are not under command, restricted in their ability to maneuver, or constrained by the draft
- Towboats whose length of their fleet exceeds 200m
- Cargo vessels carrying dangerous goods, including crude oil, liquid chemicals, etc.

### Types of Reports

- Sailing Plan Reports : Immediately before or after leaving a port or an inlet or when entering a sea area requiring a report of the location of a ship as designated and notified by the head of the Korea Coast Guard
- Position Reports: At the time interval of approximately 12 hours after the notification of the Sailing Plan Reports
- Deviation Reports: When the details of the Sailing Plan Reports have been updated, when a vessel deviates from its intended position by more than 25 nautical miles, or when a vessel changes its destination
- Final Reports: Immediately before or after arriving at the destination or leaving a sea area requiring a report of the location of a ship as designated and notified by the head of the Korea Coast Guard

### Means of Report

- Exclusive KOSREP Communication Network (VHF, MF/HF)
- Other Public Communication Network (TEL· FAX· E-MAIL)

### Radio Communication Stations for RSC(VHF)

|                |   |   |  |   |                      |
|----------------|---|---|--|---|----------------------|
| Classification | Incheon,<br>Pyeongtaek,<br>Taeon,<br>Boryeong<br>CG | Gunsan,<br>Buan,<br>Mokpo,<br>Wando,<br>Yeosu<br>CG | Tongyeong,<br>Changwon,<br>Busan,<br>Ulsan<br>CG | Pohang,<br>Uljin,<br>Donghae,<br>Sokcho<br>CG | Jeju,<br>Seogwipo CG |
| Frequency      | F3E 156.800MHz(Calling)<br>(CH 16)                  |   |  | F3E 156.450MHz(Working)<br>(CH 9)             |                      |

■ Radio Communication Stations for RCC(VHF·MF/HF)

|                   |  |
|-------------------|--|
| Classification    | KOREA COAST GUARD                                    |
| Calling Frequency | F3E 156.800MHz(VHF CH16), H(J)3E 2,182kHz(MF/HF)     |
| Working Frequency | F3E 156.450MHz(VHF CH9), J3E 2,110/2,639.4kHz(MF/HF) |

■ Public Communication(TEL· FAX· E-MAIL)

| Name of Coast Guard                     | K.C.G Command Center |               |                    | Address   | Postal code |
|---|----------------------|---------------|--------------------|---|-------------|
|   | TEL                  | FAX           | E-MAIL             |   |             |
| <b>KOREA COAST GUARD</b>                | 032)835-2342         | 032)858-8182  | mcckorea@korea.kr  | 130 Haedoji-ro, Yeonsu-gu, Incheon                              | 21995       |
| <b>KOREA COAST GUARD REGION-CENTRAL</b> | 032)728-8342         | 032)728-8942  | rccentral@korea.kr | 263, Central-ro, Yeonsu-gu, Incheon                             | 22006       |
| KOREA COAST GUARD STATION INCHEON       | 032)650-2342         | 032)650-2942  |                    | 69, Okgol-ro, Yeonsu-gu, Incheon                                | 21900       |
| KOREA COAST GUARD STATION PYEONGTAEK    | 031)8046-2742        | 031)8046-2900 |                    | 437-27, Seodong-daero, Poseung-eup, Pyeongtaek-si, Gyeonggi-do  | 17967       |
| KOREA COAST GUARD STATION TAEAN         | 041)950-2342         | 041)950-2941  |                    | 92-13, Dongbaek-ro, Taean-eup, Taean-gun, Chungcheongnam-do     | 32145       |
| KOREA COAST GUARD STATION BORYEONG      | 041)402-2342         | 041)402-2942  |                    | 49, Seongjusan-ro, Boryeong-si, Chungcheongnam-do               | 33475       |
| WEST SEA SPECIAL SECURITY UNIT          | 032)835-3142         | 032)835-3900  |                    | 10, Chukhang-daero, Jung-gu, Incheon                            | 22344       |
| <b>KOREA COAST GUARD REGION-WEST</b>    | 061)288-2342         | 061)288-2942  | rccwest@korea.kr   | 25, Namak-ro 162beon-gil, Mokpo-si, Jeollanam-do                | 58682       |
| KOREA COAST GUARD STATION GUNSAN        | 063)539-2342         | 063)539-2900  |                    | 21, Gunsanchang-gil, Gunsan-si, Jeollabuk-do                    | 54018       |
| KOREA COAST GUARD STATION BUAN          | 063)928-2342         | 063)928-2942  |                    | 15, Dongjung 2-gil, Buan-eup, Buan-gun, Jeollabuk-do            | 56308       |
| KOREA COAST GUARD STATION MOKPO         | 061)241-2342         | 061)241-2942  |                    | 231, Cheongho-ro, Mokpo-si, Jeollanam-do                        | 58623       |
| KOREA COAST GUARD STATION WANDO         | 061)550-2142         | 061)550-2942  |                    | 93, Jungang-gil, Wando-eup, Wando-gun, Jeollanam-do             | 59126       |
| KOREA COAST GUARD STATION YEOSU         | 061)840-2342         | 061)840-2942  |                    | 648, Sinwol-ro, Yeosu-si, Jeollanam-do                          | 59761       |
| <b>KOREA COAST GUARD REGION-SOUTH</b>   | 051)663-2342         | 051)663-2942  | rccsouth@korea.kr  | 325, Chungjang-daero, Dong-gu, Busan                            | 48755       |
| KOREA COAST GUARD STATION TONGYEONG     | 055)647-2442         | 055)647-2941  |                    | 45, Jungnim 2-ro, Gwangdo-myeon, Tongyeong-si, Gyeongsangnam-do | 53019       |
| KOREA COAST GUARD STATION CHANGWON      | 055)981-2442         | 055)981-2942  |                    | 145, Muyeok-ro, Masanhoewon-gu, Changwon-si, Gyeongsangnam-do   | 51342       |
| KOREA COAST GUARD STATION BUSAN         | 051)664-2442         | 051)664-2900  |                    | 293, Haeyang-ro, Yeongdo-gu, Busan                              | 49111       |
| KOREA COAST GUARD STATION ULSAN         | 052)230-2542         | 052)230-2942  |                    | 20, Sinseon-ro, Nam-gu, Ulsan                                   | 44772       |
| <b>KOREA COAST GUARD REGION-EAST</b>    | 033)680-2242         | 033)680-2942  | rcceast@korea.kr   | 156, Iwon-gil, Donghae-si, Gangwon-do                           | 25820       |
| KOREA COAST GUARD STATION POHANG        | 054)750-2342         | 054)750-2919  |                    | 21, Sotijae-ro 151beon-gil, Buk-gu, Pohang-si, Gyeongsangbuk-do | 37642       |
| KOREA COAST GUARD STATION ULJIN         | 054)502-2342         | 054)502-2900  |                    | 103, Huposamyul-ro, Hupo-myeon, Uljin-gun, Gyeongsangbuk-do     | 36370       |
| KOREA COAST GUARD STATION DONGHAE       | 033)741-2342         | 033)531-9595  |                    | 29, Imhang-ro, Donghae-si, Gangwon-do                           | 25730       |
| KOREA COAST GUARD STATION SOKCHO        | 033)634-2342         | 033)634-2942  |                    | 35, Dongmyeonghang-gil, Sokcho-si, Gangwon-do                   | 24824       |
| <b>KOREA COAST GUARD REGION-JEJU</b>    | 064)801-2242         | 064)801-2900  | rccjeju@korea.kr   | 65, Gusan-ro, Jeju-si, Jeju-do                                  | 63236       |
| KOREA COAST GUARD STATION JEJU          | 064)766-2342         | 064)766-2900  |                    | 154, Imhang-ro, Jeju-si, Jeju-do                                | 63280       |
| KOREA COAST GUARD STATION SEOGWIPO      | 064)793-2142         | 064)793-2900  |                    | 11, Seohonam-ro, Seogwipo-si, Jeju-do                           | 63568       |