ADIMIRALTY
NOTICES TO MARINERS

Weekly Edition 40
6 October 2016
(Published on the UKHO Website 26 September 2016)

CONTENTS

I Explanatory Notes. Publications List
II ADMIRALTY Notices to Mariners. Updates to Standard Nautical Charts
III Reprints of NAVAREA I Navigational Warnings
IV Updates to ADMIRALTY Sailing Directions
V Updates to ADMIRALTY List of Lights and Fog Signals
VI Updates to ADMIRALTY List of Radio Signals
VII Updates to Miscellaneous ADMIRALTY Nautical Publications
VIII Updates to ADMIRALTY Digital Products and Services

For information on how to update your ADMIRALTY products using ADMIRALTY Notices to Mariners, please refer to NP294 How to Keep Your ADMIRALTY Products Up-to-Date.

Mariners are requested to inform the UKHO immediately of the discovery of new or suspected dangers to navigation, observed changes to navigational aids and of shortcomings in both paper and digital ADMIRALTY Charts or Publications.

The Hydrographic Note Form (H102) should be used to forward this information and to report any ENC display issues.

H102A should be used for reporting changes to Port Information.

H102B should be used for reporting GPS/Chart Datum observations.

Copies of these forms can be found at the back of this bulletin and on the UKHO website.

The following communication facilities are available:

Notices to Mariners Website: Web: www.ukho.gov.uk/msi
Searchable Notices to Mariners: Web: www.ukho.gov.uk/nmwebsearch
Urgent navigational information: e-mail: navwarnings@btconnect.com
Phone: +44(0)1823 353448
Fax: +44(0)1823 322352

H102 forms
(see back pages of this Weekly Edition)
e-mail: sdr@ukho.gov.uk
Post: UKHO, Admiralty Way, Taunton, Somerset, TA1 2DN, UK

All other enquiries/information
e-mail: customerservices@ukho.gov.uk
Phone: +44(0)1823 337900 (24/7)

© Crown Copyright 2016. All rights Reserved. Permission is not required to make analogue or PDF copies of these Notices, but such copies may not be sold without the permission of the UKHO. For permission to sell copies of the Notices or to make (non-PDF) digital copies please email intellectual.property@ukho.gov.uk

Printed in the United Kingdom for the UKHO
GUIDANCE NOTES FOR THE USE OF ADMIRALTY NOTICES TO MARINERS ON THE UKHO WEBSITE

The Weekly Notices to Mariners (NM) updates for paper Charts and Publications can be accessed via www.ukho.gov.uk/msi or the searchable NM Website www.ukho.gov.uk/nmwebsearch. The latest digital NM Weekly update is available 10 days prior to the paper publication date; there are no subscription fees for access to the UKHO Notices to Mariners Website.

NB: The NM database includes historical NM data from 1 January 2000, for NMs prior to 2000 the Cumulative List of Notices to Mariners (NP234B-00) must be used.

Software required:
Adobe Acrobat Reader (Version 6.0 or later). Reader software can be obtained direct from the Adobe website (www.adobe.com).

SEARCHABLE NOTICES TO MARINERS

Enter the www.ukho.gov.uk/nmwebsearch website and select the search option that you require following the on screen instructions:

- Search NMs by - Chart Number only
- Search NMs by - Chart Number + Previous NM Number/Year
- Search NMs by - Chart Number + Between Previous and Present Dates
- Search for Single NM by NM Number/Year

To view the NM, NM Note or full-colour NM Blocks, click on the relevant link.

NOTICES TO MARINERS ON-LINE

Enter the www.ukho.gov.uk/msi website, and then select Notices to Mariners. This will give you access to the following range of Notice to Mariners services:
- ADMIRALTY NM Web Search
- Weekly NMs
- NM Block, Notes and Diagrams
- Annual NMs
- Cumulative NM List

FURTHER GUIDANCE NOTES

For further details of the online NM facilities please see the NM Guidance Notes on the website, additional detail includes:
- File content and description
- PC and printer specifications

CUSTOMER SERVICE

If you experience any difficulties, please contact the UKHO Customer Service on:
Tel: +44 (0) 1823 337900 (24/7)
e-mail: customerservices@ukho.gov.uk
This ADMIRALTY Notices to Mariners Bulletin (ANMB) is published by the UK Hydrographic Office (UKHO). The UK Maritime and Coastguard Agency accepts that both the paper and digital forms of the ANMB comply with carriage requirement for Notices to Mariners within Regulation 19.2.1.4 of the revised Chapter V of the Safety of Life at Sea Convention, and the Merchant Shipping (Safety of Navigation) Regulations, both of which came into force 1 July 2002.

While every effort is made to ensure that the data provided through the Notices to Mariners service is accurate, the user needs to be aware of the risks of corruption to data. It is important that the user should only use the data on suitable equipment and that other applications should not be running on the user’s machine at the same time. Users should exercise their professional judgement in the use of data and also consult the Mariners’ Handbook (NP100) for further details.

The user needs to be aware that there is a possibility that data could be corrupted during transmission, or in the process of display or printing on the user’s equipment, or if converted to other software formats, and is accordingly advised that the UKHO cannot accept responsibility for any such change, or any modifications or unauthorised changes, made by licensees, or other parties.
EXPLANATORY NOTES

Dating
Weekly Notices are dated for the Thursday appropriate to the week that the printed version is despatched from the UKHO. They are available earlier from the UKHO website.

Section I - Publications List
At the beginning of the Publications List is an index of ADMIRALTY Charts affected by the Publications List. Thereafter there are a number of standard lists which contain details and announcements concerning charts and publications relevant for the particular Weekly Notice. Full details of how to use the various lists contained in Section I are available in NP294.

Section IA - Temporary and Preliminary (T&P) Notices
A list of T&P Notices in force (along with a list of those cancelled during the previous month), is included in the Weekly NM each month (see below).

Section IB - Current Hydrographic Publications
Information about Hydrographic Publications including the current edition numbers is included in the Weekly NM at the end of March, June, September and December.

Section II - Updates to Standard Nautical Charts
The notices in Section II give instructions for the updating of standard nautical charts and selected thematic charts in the ADMIRALTY series. Geographical positions refer to the horizontal datum of the current edition of each affected chart which is stated in the notice alongside the appropriate chart number. Positions are normally given in degrees, minutes and decimals of a minute, but may occasionally quote seconds for convenience when plotting from the graduation of some older-style charts. Where Leisure Products are referred to different horizontal datums from the standard nautical charts for that geographical area, positions in the notices cannot be plotted directly on these products. Bearings are true reckoned clockwise from 000° to 359°; those relating to lights are from seaward. Symbols referred to are those shown in NP5011. Depths and heights are given in metres or fathoms and/or feet as appropriate for the chart being updated (abbreviated where necessary to m, fm and ft respectively). Blocks and notes accompanying notices in Section II are placed towards the end of the section.

T&P Notices. These are indicated by (T) or (P) after the notice number and are placed at the end of Section II. They are printed on one side of the paper in order that they may be cut up and filed. To assist in filing, the year is indicated after the notice number and an in-force list is published monthly. Information from these notices is not included on charts before issue; charts should be updated in pencil on receipt. Associated diagrams are reproduced with Blocks at the end of Section II.

Original Information. A star (*) adjacent to the number of a notice indicates that the notice is based on original information.

Section III - Navigational Warnings
NAVAREA I Navigational Warnings in force at the specified time quoted in the header are reprinted in Section III. It is recommended that this reprint should be kept in a file or book, followed by subsequent weekly reprints. Only the most convenient ADMIRALTY Chart is quoted. The full text of all Warnings in force is included in Weeks 1, 13, 26 and 39 each year.

Section IV - Sailing Directions
Updates to all Sailing Directions are given in Section IV. Those in force at the end of the year are reprinted in the Annual Summary of ADMIRALTY Notices to Mariners Part 2 (NP247(2)). A list of updates in force is published in Section IV of the Weekly Edition quarterly. Updates may be cut out and pasted/changed directly into the book or alternatively it is recommended that updates are kept in a file with the latest list of updates in force on top. The list should then be consulted when using the parent book to see if any changes, affecting the area under consideration, are in force. It is not recommended that changes be stuck in the parent book.

Section V - Lights
Updates to all the List of Lights are given in Section V and may be published in an earlier edition than the chart-updating notice. The entire entry for each light updated will be printed (including minor changes) and an asterisk (*) will denote which column contains a change. In the case of a new light, or where a new sequence is added below the main light, an asterisk (*) will appear under all columns. All Section V entries are intended to be cut out and pasted into the appropriate volume. It is emphasised that the List of Lights is the primary source of information on lights and that many alterations, especially those of a temporary but operational nature, are promulgated only as updates to the List of Lights. Light positions should be regarded as approximate and are intended to indicate the relative positions of lights only. Charts should be consulted for a more authoritative position. When a light is affected by a separate chart-updating notice, its Light List number is always included in the relevant text contained in Section II. The range of a light is normally the nominal range, except when the responsible authority quotes luminous or geographical range - see special remarks for ranges used by each country.
Section VI - Radio Signals
Updates to all the Radio Signals are given in Section VI. When a chart-updating notice is issued for information that is also included within the Radio Signals, the appropriate volume reference number is quoted, followed in parentheses by the number of the Weekly Edition containing (in Section VI) the corresponding update to the service details. The updates in Section VI should be cut out and pasted into the appropriate volumes.

Section VII - Miscellaneous Publications
Updates to the following selected miscellaneous Nautical Publications are contained in Section VII.

- NP100 The Mariner’s Handbook
- NP133A Paper Chart Maintenance Record
- NP133C ENC Maintenance Record
- NP231 ADMIRALTY Guide to the Practical Use of ENCs
- NP232 ADMIRALTY Guide to Implementation, Policy and Procedures
- NP294 How to Keep your ADMIRALTY Products Up-to-date
- NP136 Ocean Passages for the World
- NP350(1) ADMIRALTY Distance Tables – Atlantic Ocean
- NP350(3) ADMIRALTY Distance Tables – Pacific Ocean
- NP350(2) ADMIRALTY Distance Tables – Indian Ocean
- NP735 IALA Maritime Buoyage System
- NP5011 Symbols and Abbreviations used on ADMIRALTY Paper Charts
- NP5012 ADMIRALTY Guide to ENC Symbols used in ECDIS

All Tides Publications
Nautical Almanac Publications, including Sight Reduction Tables.

Section VIII – ADMIRALTY Digital Products and Services
Information relevant to ADMIRALTY Digital Products and Services.

Further Guidance
The Mariner’s Handbook (NP100) gives a fuller explanation of the limitations of charts and details of the UKHO policy for the promulgation and selection of navigationally significant information for charts. Details of chart updating methods can be found in “How to Keep Your ADMIRALTY Products Up-to-date” (NP294). All users are advised to study these publications.

CAUTIONARY NOTES

Updating
Updating information is published by Weekly Notices to Mariners supplemented by navigational warnings for items of immediate importance. It should be borne in mind that they may be based on reports which cannot always be verified before promulgation, and that it is sometimes necessary to be selective and promulgate only the more important items to avoid overloading users; the remainder being included in revised editions of the charts and publications concerned.

Laws and Regulations
While, in the interests of the safety of shipping, the UKHO makes every endeavour to include in its publications details of the laws and regulations of all countries appertaining to navigation, it must be clearly understood:

(a) that no liability whatsoever can be accepted for failure to publish details of any particular law or regulation, and

(b) that publication of the details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the international validity of the law or regulation.

Reliance on Charts and Associated Publications
While every effort is made to ensure the accuracy of the information on ADMIRALTY charts and within nautical publications, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge of the reliance he can place on the information given, bearing in mind his particular circumstances, local pilotage guidance and the judicious use of available aids to navigation.

Charts
Charts should be used with prudence: there are areas where the source data are old, incomplete or of poor quality. The mariner should use the largest scale appropriate for his particular purpose; apart from being the most detailed, the larger scales are usually updated first. When extensive new information (such as a new hydrographic survey) is received, some months may elapse before it can be fully incorporated in published charts. On small scale charts of ocean areas where hydrographic information is, in many cases, still sparse, charted shoals may be in error as regards position, least depth and extent. Undiscovered dangers may exist, particularly away from well-established routes.

Satellite-Derived Positions and Chart Accuracy
Mariners must not assume that charts which are referred to WGS84 Datum, or those for which shifts to WGS84 Datum are provided, have been surveyed to modern standards of accuracy. On some charts, owing to the age and quality of the source information, some of the charted detail may not be positioned accurately. In such cases mariners are advised to exercise particular caution when navigating in the vicinity of dangers, even when using an electronic positioning system such as GPS. For further details, see The Mariner’s Handbook (NP100). This applies to both paper and digital (ADMIRALTY Raster Chart Service and ENC) versions of charts.
Admiralty Charts affected by the Publication List

Admiralty Chart

246  247  804  902  911  1009  1375  1635  1722  2104  2191  2192  2419  2456  2580  3204  3228  3458  3459  3619  3852  3858  8069  8263  8273  8274  8275

AUS  250
INT  1179  1322  1334  1413  1452  1873  3660  3661  3794

Admiralty Publication

NP     46
NP     286(4)

© denotes chart available in the Admiralty Raster Chart Service series.
ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW ADMIRALTY CHARTS AND PUBLICATIONS

New Admiralty Charts published 6 October 2016

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Folio</th>
<th>2016 Catalogue page</th>
</tr>
</thead>
</table>
| 8263  | Port Approach Guide Cardiff, Barry and Newport.  
A Bristol Channel.  
51° 14′46 N. — 51° 34′30 N., 3° 25′40 W. — 2° 55′54 W.  
B Barry.  
51° 22′48 N. — 51° 24′37 N., 3° 17′53 W. — 3° 14′41 W.  
C Cardiff.  
51° 25′97 N. — 51° 28′23 N., 3° 11′00 W. — 3° 08′09 W.  
D Newport.  
51° 31′60 N. — 51° 34′61 N., 3° 00′08 W. — 2° 57′52 W. | 1:51,000 | 2 | 140 |
| 8273  | Port Approach Guide Map Ta Phut Industrial Port and Sattahip Commercial Port.  
A Map Ta Phut.  
12° 36′43 N. — 12° 41′40 N., 101° 06′69 E. — 101° 11′00 E.  
B Sattahip.  
12° 34′893N. — 12° 38′440N., 100° 53′300E. — 100° 55′860E. | 1:14,000 | 47 | 140 |

A new chart to assist with passage planning in the approaches to the Ports of Cardiff, Barry and Newport.

A new chart to assist with the passage planning in the approaches to the Ports of Map Ta Phut and Sattahip.

ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

New Editions of Admiralty Charts published 6 October 2016

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Folio</th>
<th>2016 Catalogue page</th>
</tr>
</thead>
</table>
| 246   | International Chart Series, Turkey - South East Coast, İskenderun Körfezi.  
A Uluçinar. | 1:100,000 | 30 | 46 |
| INT 3660 |  | 1:10,000 |  | |

Includes changes to depths, shoreline and port developments. The horizontal datum of this chart has been transferred to WGS84 Datum. (A modified reproduction of INT3660 published by Turkey.)

⊙ denotes chart available in the Admiralty Raster Chart Service series.
### New Editions of Admiralty Charts and Publications

New Editions of Admiralty Charts published 6 October 2016 (continued)

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Folio</th>
<th>2016 Catalogue page</th>
</tr>
</thead>
<tbody>
<tr>
<td>247</td>
<td>International Chart Series, Turkey - South East Coast, İskenderun Körfezi Northern Terminals. 36° 46´·00 N. — 36° 56´·00 N., 35° 52´·30 E. — 36° 10´·60 E. Includes changes to coastline, port developments, depths, lights and buoyage. Limits of chart revised to provide improved coverage of Dörtyol Balkızı Barınağı. (This chart is included in the International Chart Series.)</td>
<td>1:25,000</td>
<td>30</td>
<td>46</td>
</tr>
<tr>
<td>911</td>
<td>International Chart Series, Sweden - West Coast, Malmö and Limhamn. ☉ Continuation to Limhamn.</td>
<td>1:12,500</td>
<td>10</td>
<td>34</td>
</tr>
<tr>
<td>1322</td>
<td>Includes changes to depths and buoyage. (A modified reproduction of INT1322 published by Sweden.)</td>
<td>1:12,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1009</td>
<td>International Chart Series, Gulf of Bothnia - Sweden - East Coast, Approaches to Luleå.</td>
<td>1:50,000</td>
<td>11</td>
<td>36</td>
</tr>
<tr>
<td>1179</td>
<td>Includes changes to depths. (A modified reproduction of INT1179 published by Sweden.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1635</td>
<td>International Chart Series, North Sea, Netherlands - Germany, Borkum to Neuwerk and Helgoland.</td>
<td>1:150,000</td>
<td>9</td>
<td>32</td>
</tr>
<tr>
<td>1413</td>
<td>Includes changes to buoyage, lights and depths. (A modified reproduction of INT1413 published by Germany.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1722</td>
<td>China - South East Coast, Eastern Approaches to Xinghua Wan.</td>
<td>1:35,000</td>
<td>50</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>Includes significant safety-related information as follows: changes to depths, routes, rocks, aids to navigation and coastline.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note: This chart is to be deleted from the list of charts affected by Notice 3620(P)/16. This chart remains affected by Notice 4519(T)/16.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note: On publication of this New Edition former Notice 4067(P)/16 is cancelled.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

☉ denotes chart available in the Admiralty Raster Chart Service series.
### ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

#### NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

New Editions of Admiralty Charts published 6 October 2016 (continued)

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Folio</th>
<th>2016 Catalogue page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2104 INT 3661</td>
<td>International Chart Series, Turkey - South Coast, Iskenderun to Yakacik. 36° 33´·93 N. — 36° 46´·44 N., 36° 03´·88 E. — 36° 14´·48 E. Includes new port developments and lights, and changes to depths, aids to navigation, submarine pipeline and coastline. The horizontal datum of this chart has been transferred to WGS84 Datum. (A modified reproduction of INT3661 published by Turkey.)</td>
<td>1:25,000</td>
<td>30</td>
<td>46</td>
</tr>
<tr>
<td>2419</td>
<td>China – East China Sea, Outer Approaches to Songxia Gang and Minjiang Kou. Includes significant safety-related information as follows: changes to depths, routes, coastline, wrecks and buoyage.</td>
<td>1:75,000</td>
<td>50</td>
<td>80</td>
</tr>
<tr>
<td>2580</td>
<td>United States - East Coast - New York - Connecticut, Long Island Sound, Sheffield Island to Execution Rocks. Execution Rocks to Tallman Islands. Includes significant safety-related information as follows: changes to anchorage areas.</td>
<td>1:50,000</td>
<td>81</td>
<td>132</td>
</tr>
<tr>
<td>20,000</td>
<td>United States - New York - New Jersey, New York - Lower Bay and Approaches. Includes significant safety-related information as follows: changes to anchorage areas.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3458</td>
<td>United States - East Coast, New York Raritan, Bay to Arthur Kill. Includes significant safety-related information as follows: changes to depths and anchorage areas.</td>
<td>1:15,000</td>
<td>81</td>
<td>132</td>
</tr>
<tr>
<td>3459</td>
<td>United States - East Coast, New York - New Jersey, New York Lower Bay. Includes significant safety-related information as follows: changes to anchorage areas.</td>
<td>1:20,000</td>
<td>81</td>
<td>132</td>
</tr>
</tbody>
</table>

© denotes chart available in the Admiralty Raster Chart Service series.
I

ADMIRALTY CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

NEW EDITIONS OF ADMIRALTY CHARTS AND PUBLICATIONS

New Editions of Admiralty Charts published 6 October 2016 (continued)

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Folio</th>
<th>2016 Catalogue page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3619</td>
<td>International Chart Series, North Sea - Germany, The Elbe Scharhörn Riff to Medemgrund. Cuxhaven.</td>
<td>1:50,000</td>
<td>9</td>
<td>32</td>
</tr>
<tr>
<td>INT 1452</td>
<td>Includes changes to depths and maritime limits. (A modified reproduction of Chart 44 published by Germany.)</td>
<td>1:12,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3852</td>
<td>United States - Gulf of Mexico, Pensacola Bay to Tampa Bay.</td>
<td>1:500,000</td>
<td>83</td>
<td>122, 126</td>
</tr>
<tr>
<td></td>
<td>Includes changes to depths, wrecks, fish havens and aids to navigation.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reproductions of Australian Government Charts
(Publication dates of these charts reflect the dates shown on the Australian Government Charts)

<table>
<thead>
<tr>
<th>Chart</th>
<th>Published</th>
<th>Title and other remarks</th>
<th>Scale</th>
<th>Folio</th>
<th>2016 Catalogue page</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUS 250</td>
<td>08/09/16</td>
<td>Australia - East Coast - Queensland, Plans of Hay Point and Mackay Harbour. Hay Point. Mackay Harbour.</td>
<td>66</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes changes to depths. (A modified reproduction of chart AUS250 published by Australia).</td>
<td>1:15,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1:10,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Admiralty Publications

<table>
<thead>
<tr>
<th>NP No.</th>
<th>Title and other remarks</th>
<th>Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>NP46 &amp; e-NP46</td>
<td>Mediterranean Pilot Volume 2 (Fifteenth Edition). ISBN Number: 978-0-70-774-3776</td>
<td>06/10/16</td>
<td>Updated to Week 26/16 (30/06/16) First updates in NM week 40/16. This edition supersedes NP46 (Fourteenth Edition 2013) which is cancelled.</td>
</tr>
</tbody>
</table>

Ø denotes chart available in the Admiralty Raster Chart Service series.
# ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

## ADMIRALTY CHARTS TO BE PUBLISHED 20 OCTOBER 2016

### New Admiralty Charts

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Charts to be</th>
<th>Folio</th>
</tr>
</thead>
<tbody>
<tr>
<td>8274</td>
<td>Port Approach Guide Salerno.</td>
<td>1:30,000</td>
<td>WITHDRAWN</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Approaches to Salerno.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40° 33´·50 N. — 40° 41´·75 N., 14° 35´·38 E. — 14° 49´·28 E.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Salerno.</td>
<td>1:10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40° 38´·200N. — 40°40´·804N., 14° 41´·920E. — 14° 46´·559E.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A new chart to assist with passage planning in the approaches to the Port of Salerno.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8275</td>
<td>Port Approach Guide Dundee.</td>
<td>1:27,500</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Approaches to Dundee.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>56° 23´·40 N. — 56° 33´·10 N., 3° 03´·30 W. — 2° 35´·73 W.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dundee Docks.</td>
<td>1:11,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>56° 26´·69 N. — 56° 28´·31 N., 2° 58´·55 W. — 2° 54´·58 W.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A new chart to assist with passage planning in the approaches to the Port of Dundee.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### New Editions of Admiralty Charts

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Charts to be</th>
<th>Folio</th>
</tr>
</thead>
<tbody>
<tr>
<td>804</td>
<td>West Indies - Guadeloupe, Pointe-à-Pitre and Approaches.</td>
<td>1:17,500</td>
<td>WITHDRAWN</td>
<td>804 87</td>
</tr>
<tr>
<td></td>
<td>Continuation to Sainte-Marie Anchorages.</td>
<td>1:17,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes significant safety-related information as follows: new dredged area and obstructions, and changes to depths, lights and buoyage.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>902</td>
<td>International Chart Series, The Sound - Denmark, København Havn.</td>
<td>902 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Northern Part.</td>
<td>1:10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Southern Part.</td>
<td>1:20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Inderhavnsbroen Passage Span.</td>
<td>1:3,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>902</td>
<td>55° 40´·66 N. — 55° 40´·76 N., 12° 35´·58 E. — 12° 35´·82 E.</td>
<td>1:2,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Knippelsbros Passage Span.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Langebro Passage Span.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Bryggebroens Passage Spans.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Kalvebodbroens Passage Spans.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Slusen Og Sjællandsbroens Passage Span.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Teglverksbroens Passage Span.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT 1334</td>
<td>Avedøreværket.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Includes significant safety-related information as follows: new bridge.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© denotes chart available in the Admiralty Raster Chart Service series.
### ADMIRALTY CHARTS AND PUBLICATIONS TO BE PUBLISHED

#### ADMIRALTY CHARTS TO BE PUBLISHED 20 OCTOBER 2016

<table>
<thead>
<tr>
<th>Chart</th>
<th>Title, limits and other remarks</th>
<th>Scale</th>
<th>Charts to be</th>
<th>Folio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2191</td>
<td>Caribbean Sea - Venezuela, Morro De Puerto Santo to Cabo Codera including the Outlying Islands. 10° 00' 00 N. — 12° 02' 47 N., 66° 08' 82 W. — 62° 58' 50 W. Includes significant safety information as follows: changes to coastline, lights and depths. The Eastern border has been extended to provide full coverage of Archipelago Los Testigos.</td>
<td>1:300,000</td>
<td>WITHDRAWN</td>
<td>2191 87</td>
</tr>
<tr>
<td>2192</td>
<td>Venezuela, Cabo Codera to Punta Agüide including the Outlying Islands.</td>
<td>1:300,000</td>
<td>2192 87</td>
<td></td>
</tr>
<tr>
<td>2456</td>
<td>United States - East Coast, Massachusetts, Nantucket Sound, Western Part Buzzards Bay and Approaches. Includes changes to depth, lights and buoyage.</td>
<td>1:100,000</td>
<td>2456 81</td>
<td></td>
</tr>
<tr>
<td>3228</td>
<td>International Chart Series, Portugal - West Coast, Approaches to Figueira da Foz. ⊙ Figueira da Foz. ⊙ Continuation of Figueira da Foz. Includes significant safety-related information as follows: changes to depths and unsurveyed areas. The Source Diagram has also been amended.</td>
<td>1:30,000 1:7,500 1:7,500</td>
<td></td>
<td>INT 1873 18</td>
</tr>
<tr>
<td>3858</td>
<td>United States - Gulf of Mexico, Pass A Loutre to Dauphin Island. Includes changes to depths, coastline, wrecks and offshore installations.</td>
<td>1:150,000</td>
<td>3858 83</td>
<td></td>
</tr>
<tr>
<td>8069</td>
<td>Port Approach Guide The Elbe - Hamburg. ⊙ The Elbe, Schulau to Teufelsbrück. Includes significant safety-related information as follows: changes to coastline, depths, lights and port installations.</td>
<td>1:15,000 1:30,000</td>
<td>8069 9</td>
<td></td>
</tr>
</tbody>
</table>

⊙ denotes chart available in the Admiralty Raster Chart Service series.
ADMIRALTY CHARTS AND PUBLICATIONS PERMANENTLY WITHDRAWN

Admiralty Charts

<table>
<thead>
<tr>
<th>Chart to be WITHDRAWN</th>
<th>Main Title</th>
<th>On publication of New Chart/New Edition</th>
</tr>
</thead>
<tbody>
<tr>
<td>246 INT 3660</td>
<td>International Chart Series, Turkey - South East Coast, İskenderun Körfezi.</td>
<td>246 INT 3660</td>
</tr>
<tr>
<td>247 INT 3794</td>
<td>Turkey - South East Coast, İskenderun Körfezi Northern Terminals.</td>
<td>247 INT 3794</td>
</tr>
<tr>
<td>911 INT 1322</td>
<td>International Chart Series, Sweden - West Coast, Malmö and Limhamn.</td>
<td>911 INT 1322</td>
</tr>
<tr>
<td>1009 INT 1179</td>
<td>International Chart Series, Gulf of Bothnia - Sweden - East Coast, Approaches to Luleå.</td>
<td>1009 INT 1179</td>
</tr>
<tr>
<td>1635 INT 1413</td>
<td>International Chart Series, North Sea, Netherlands - Germany, Borkum to Neuwerk and Helgoland.</td>
<td>1635 INT 1413</td>
</tr>
<tr>
<td>1722</td>
<td>China - South East Coast, Eastern Approaches to Xinghua Wan.</td>
<td>1722</td>
</tr>
<tr>
<td>2104 INT 3661</td>
<td>International Chart Series, Turkey - South Coast, İskenderun to Yakacik.</td>
<td>2104 INT 3661</td>
</tr>
<tr>
<td>2419</td>
<td>China - Dong Hai, Outer Approaches to Songxia Gang and Minjiang Kou.</td>
<td>2419</td>
</tr>
<tr>
<td>2580</td>
<td>United States - East Coast - New York - Connecticut, Long Island Sound, Sheffield Island to Execution Rocks.</td>
<td>2580</td>
</tr>
<tr>
<td>3204</td>
<td>United States - East Coast - New York - New Jersey, New York - Lower Bay and Approaches.</td>
<td>3204</td>
</tr>
<tr>
<td>3458</td>
<td>United States - East Coast, New York Raritan Bay to Arthur Kill.</td>
<td>3458</td>
</tr>
<tr>
<td>3459</td>
<td>United States - East Coast - New York - New Jersey, New York Lower Bay.</td>
<td>3459</td>
</tr>
<tr>
<td>3619 INT 1452</td>
<td>International Chart Series, North Sea - Germany, The Elbe Scharhörn Riff to Medemgrund.</td>
<td>3619 INT 1452</td>
</tr>
<tr>
<td>3852</td>
<td>United States - Gulf of Mexico, Pensacola Bay to Tampa Bay.</td>
<td>3852</td>
</tr>
<tr>
<td>AUS 250</td>
<td>Australia - East Coast - Queensland, Plans of Hay Point and Mackay Harbour.</td>
<td>AUS 250</td>
</tr>
</tbody>
</table>

☉ denotes chart available in the Admiralty Raster Chart Service series.
I

ADMIRALTY CHARTS INDEPENDENTLY WITHDRAWN

Admiralty Charts

Chart to be WITHDRAWN

Main Title

1375 South Pacific Ocean, Archipiélago de Colón: Galapagos Islands. No Replacement
IA

TEMPORARY AND PRELIMINARY NOTICES

In Force 30 September 2016

(Former In Force List dated 26 August 2016 is cancelled)

Cancelled Notices

<table>
<thead>
<tr>
<th>Area</th>
<th>Notice No.</th>
<th>Charts affected</th>
<th>Locality &amp; Subject</th>
<th>Folio(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4011(T)/15, 2211(T)/16, 4290(T)/16</td>
<td></td>
<td>IRELAND, West Coast, Approaches to Dingle Bay: Depths</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3386(T)/13, 1051(T)/14, 2187(T)/15, 6376(T)/15, 6418(T)/15</td>
<td>2254, 2423, 2789</td>
<td>IRELAND, South West Coast, Approaches to Bantry Bay, Dunmanus Bay and Long Island Bay: Depths</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4825(T)/13, 917(T)/15, 3765(T)/15, 5750(T)/15, 6425(T)/15, 533(T)/16, 1849(T)/16, 2027(P)/16, 3479(T)/16, 3480(T)/16, 3618(T)/16, 4796(P)/16</td>
<td>2254, 2423, 2789</td>
<td>IRELAND, South West Coast, Approaches to Dingle Bay: Depths</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>1250(T)/14, 871(P)/15, 3249(T)/15, 4428(T)/15, 6298(T)/15, 680(T)/16, 859(P)/16, 1833(T)/16, 2649(T)/16, 3474(P)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2247(T)/16, 2823(P)/16, 4641(T)/16</td>
<td></td>
<td>IRELAND, South East Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>5266(T)/15, 5641(T)/15, 1606(T)/16, 2695(P)/16, 3734(P)/16, 3871(T)/16, 4135(T)/16, 4155(T)/16, 4366(P)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>2759(P)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>2584(T)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>520(P)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>2501(T)/12, 872(T)/14, 2630(P)/14, 3768(T)/14, 4087(T)/14, 1987(T)/15, 3065(T)/15, 3826(T)/15, 5528(T)/15, 5532(T)/15, 5792(T)/15, 6452(T)/15, 6613(P)/15, 428(P)/16, 1134(T)/16, 3371(T)/16, 3892(P)/16, 4067(P)/16</td>
<td>2254, 2423, 2789</td>
<td>IRELAND, South West Coast, Approaches to Dingle Bay: Depths</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>2286(T)/11, 2350(T)/12, 1614(T)/14, 2384(T)/15, 4923(T)/15, 6045(T)/15, 447(T)/16, 662(T)/16, 1165(T)/16, 1774(T)/16, 2328(T)/16, 2703(T)/16, 3032(T)/16, 3035(T)/16, 3280(T)/16, 3281(T)/16, 3646(T)/16, 4048(T)/16, 4049(T)/16</td>
<td>2254, 2423, 2789</td>
<td>IRELAND, South West Coast, Approaches to Dingle Bay: Depths</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>1843(T)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>3984(T)/14, 6109(T)/15, 264(T)/16, 718(T)/16, 2380(T)/16, 3940(T)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>1956(P)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>3442(T)/11, 2692(T)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>4090(P)/09, 5089(T)/15</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>547(P)/16, 3477(P)/16</td>
<td></td>
<td>IRELAND, South Coast, Approaches to Stornoway, Loch Eriskay, Tannaraidh South-eastwards: Scientific instruments; Buoyage</td>
<td></td>
</tr>
</tbody>
</table>
2. BRITISH ISLES - continued

2080(P)/14
1121, 1320, 1411, 1753, 1826, 1981, 2093, 2126, 2131, 2198, 2199, 2220, 2221, 2491, 2635, 2724
IRELAND, West Coast, Killard Point and Donegal Point NW: Measuring instruments; Buoyage
3593(T)/14
2173, 3338
IRELAND, West Coast, Donegal Point NW: Buoy
3821(P)/14
2669, 3653, 3654
CHANNEL ISLANDS, Guernsey, Little Russel S to The Great Bank N: Depths
4995(P)/14
1121, 2093
IRELAND, East Coast, Dundrum Bay to Carlingford Lough: Depths; Drying height
1606(T)/15
1410, 1787
IRELAND, East Coast, Blackwater Bank W: Buoy
2521(P)/15
Q 6403, Q 6404
SCOTLAND, West Coast, Rockall Trough to Rosemary Bank, including the Hebrides: Firing practice area
3062(T)/15
2173, 3338
IRELAND, West Coast, Donegal Point NW: Buoy
3270(P)/15
3496, 3497, 8045
ENGLAND, East Coast, River Humber, Alexandra Dock: Works
3272(T)/15
1125, 1127, 2725
IRELAND, West Coast, Corrib Gas Field: Buoy
3746(P)/15
8046
ENGLAND, East Coast, Port Approach Guide Immingham: Note
3788(T)/15
1410, 1971
WALES, West Coast, Caernarfon Bay: Depths
3871(T)/15
2175, 2611, 2615
IRELAND, South Coast, Poole Bay, Inner Poole Patch N: Buoy; Scientific instrument
3978(P)/15
115, 1942, 1954, 2162, 2581
SCOTLAND, North Coast, Pentland Firth, Inner Sound: Works
4216(T)/15
3278
CHANNEL ISLANDS, Jersey, Saint Helier Harbour and La Collette Yacht Basin: Depth information
4590(T)/15
2721, 2841
SCOTLAND, Hebrides, Sound of Taransay: Buoy
5506(P)/15
8064
ENGLAND, East Coast, Port Approach Guide Harwich and Felixstowe: Note
5682(P)/15
8045, 8046
ENGLAND, East Coast, Port Approach Guide Immingham: Light-beacons; Leading line
5897(P)/15
8045, 8046
ENGLAND, East Coast, Port Approach Guide Immingham: Signal-beacons
6066(T)/15
108, 1200
ENGLAND, East Coast, The Wash, Lynn Deeps, Boston Deep and Approaches to Boston: Measuring instruments
6254(P)/15
8045, 8046
ENGLAND, East Coast, River Humber, Immingham: Light
6707(P)/15
2036, 2037, 2625, 2629, 2631
ENGLAND, South Coast, Approaches to Portsmouth and Portsmouth Harbour: Works
463(T)/16
1859
ENGLAND, West Coast, Port of Bristol, River Avon (New Cut), Ashton Avenue Bridge: Vertical clearance
732(T)/16
1127, 2635, 2723, 2725
IRELAND, North Coast, Rockall Trough E: Measuring instruments; Buoyage
1145(P)/16
1991
ENGLAND, South Coast, Brighton Marina: Dredged area; Buoyage
1845(T)/16
1994, 2131, 3746
SCOTLAND, West Coast, Loch Long: Buoy
2124(T)/16
1752, 1753
IRELAND, East Coast, Belfast Lough, Victoria Channel: Light-beacon; Buoy
2031(T)/16
2307, 3418
ENGLAND, South Coast, Chichester Harbour: Measuring instruments; Buoyage
2203(T)/16
1462
SCOTLAND, East Coast, Banff and Macduff, Banff Bay: Moorings; Scientific instruments
2385(T)/16
1165, 1169
WALES, South Coast, Approaches to Porthcawl, Scarweather Sands N: Fog signal
2475(P)/16
1183, 1406, 1408, 1610, 1630, 2052
ENGLAND, East Coast, Greater Gabbard Wind Farm: Works; Maritime limit
2799(P)/16
1200
ENGLAND, East Coast, Race Bank: Works; Maritime limit; Buoyage; Submarine power cables
2948(T)/16
1785, 2720, 2721
SCOTLAND, West Coast, Isle of Lewis, Butt of Lewis W: Buoyage
3068(T)/16
1752, 1753
IRELAND, East Coast, Belfast Lough, Foilys Roads NW: Marine farm; Buoyage
3082(T)/16
1183, 2052, 2692
ENGLAND, East Coast, Sunk Inner Precautionary Area, South Ship Head E: Buoyage; Scientific instruments
3245(T)/16
1889, 1890
SCOTLAND, East Coast, Cromarty Firth, Invergordon: Mooring buoy
2. BRITISH ISLES - continued

3304(P)/16  Q 6403, Q 6404...... SCOTLAND, West Coast, Cape Wrath to North Channel: Military practice areas

3359(T)/16  2 ........................ CELTIC SEA, Irish Sector, Goban Spur: Scientific instruments

3364(P)/16  728, 736 ............. SCOTLAND, East Coast, River Forth, Approaches to Rosyth: Light

3417(P)/16  1504, 1535, 1543 ENGLAND, East Coast, Approaches to Lowestoft: Light

3514(T)/16  536 ........................ ENGLAND, South Coast, Eastbourne NE, Pevensey Bay: Measuring instruments; Buoy

3727(P)/16  8081, 8082 ........... ENGLAND, West Coast, Liverpool Bay, Great Burbo Flats, Burbo Wind Farm

3728(P)/16  8081, 8082 ........... ENGLAND, West Coast, Port Approach Guide Liverpool: Coastline; Legend: Dredged area

3819(P)/16  2, 219, 245, 1233, 1239, 2182C, 2182D, 4140..... SCOTLAND, Shetland Islands, Clair Ridge Oil Field Northwards: Submarine pipeline; Manifolds; Buoy

3971(P)/16  8002 ................. ENGLAND, South Coast, Port Approach Guide Southampton: Landmark

4075(P)/16  8002 ................. ENGLAND, South Coast, Isle of Wight, Dun Innose: Fixed point

4109(P)/16  8002 ................. ENGLAND, South Coast, Port Approach Guide Southampton: Landmark

4173(T)/16  1942, 1954, 2249, 2250, 2562 .......... SCOTLAND, Orkney Islands, Westray Firth: Scientific instruments

4408(P)/16  8157 ........................ ENGLAND, East Coast, Thames Estuary, Port Approach Guide Thames Estuary: Buoy

4719(T)/16  1790, 2171, 2379, 2386, 2387, 2388, 2389, 2390, 2724 .... SCOTLAND, West Coast, Sound of Mull, Loch Linne, Lynn of Lorn, Firth of Lorn: Moorings; Buoyage

4720(T)/16  2388 ........................ SCOTLAND, West Coast, Loch Etive: Moorings; Buoyage

4783(P)/16  34, 883 ............... ENGLAND, West Coast, Isles of Scilly: Depths; Drying heights

4885(T)/16  1077, 1889, 1889 .......................... SCOTLAND, East Coast, Cromarty Firth: Buoy

3. NORTH RUSSIA, NORWAY, THE FÆROE ISLANDS AND ICELAND

2772(T)/11  4010 ........................ ARCTIC OCEAN, Greenland Sea, Greenland Basin and Knipovich Ridge: Measuring instruments

4472(T)/12  2897, 2899, 4112, 4113............ ICELAND, Northwards and North-westwards: Measuring instruments

4644(T)/12  2961 ........................ RUSSIA, Barents Sea Coast, Gulyayevskiye Koshki to Nar’yam-Mar: Buoyage

4939(T)/13  2897, 4101, 4112, 4113............ NORWEGIAN SEA, Iceland Northwards and North-eastwards, Kolbeinsey Ridge and Jan Mayen Ridge: Measuring instruments

773(T)/14  3160, 3499 .................. NORWAY, South Coast, Approaches to Oslofjorden, Sondre Søster S, Seikrakk: Buoy

1529(T)/14  2333 ........................ RUSSIA, Barents Sea Coast, Myr Tiberiskiy N: Moorings buoys

1860(P)/14  3160 ........................ NORWAY, South Coast, Oslofjorden, Kirkøy to Fredriksstad: Submarine pipeline

1861(T)/14  2315, 2330, 2683 .......................... NORWAY, North Coast, Norwegian Sea, Mageneroya S, W and NW and Bjǫrnaya (Bear Island) S: Measuring instruments; Buoyage

2157(T)/14  2897, 2900, 4010, 4101, 4112, 4112, 4112Obstructions

3213(T)/14  2966 ........................ RUSSIA, Barents Sea Coast, Murmansk, Utøs Abram-Pakhta E and SW: Buoy

402(T)/15  2307 ........................ NORWAY, West Coast, Frohavet NE: Current meter; Buoy

1719(P)/15  4101 ........................ NORWAY, West Coast, Norwegian Sea, Voring Plateau E: Works; Submarine cables; Submarine pipelines; Offshore installations

4208(T)/15  2683, 4010, 4100 .......................... NORWEGIAN SEA, Bjørnaya (Bear Island) S: Measuring instruments

4478(T)/15  2683, 4010, 4100 .......................... NORWEGIAN SEA, Tromsøflaket NW: Measuring instrument

5875(T)/15  3137 ........................ NORWEGIAN SEA, Svalbard, Van Mijenfjorden: Scientific instruments

5884(T)/15  3504, 3551, 3556 .......................... NORWAY, West Coast, Mongstad, Oil Refinery NE: Buoyage; Chains and anchors

6426(P)/15  3553 ........................ NORWAY, West Coast, Hundvåkosen E: Works; Spoil ground; Lights

6691(P)/15  2984, 3516 .......................... NORWAY, South Coast, Kristiansand, Vesterhavn N and Tofaldfjorden: Works; Spoil ground

117(T)/16  3501, 3562, 3563 ............ NORWAY, South Coast, Spro N and W: Measuring instruments; Buoyage
3. NORTH RUSSIA, NORWAY, THE FÆROE ISLANDS AND ICELAND - continued

341(T)/16 3002 ...................... NORWAY, West Coast, Lindøy SW: Measuring instrument ........................................ 13
2400(P)/16 288, 299, 3555, 3556 ...................... NORWAY, West Coast, Mjåsundstraumen to Hellosen: Submarine cables ........ 13
3446(P)/16 8182 ...................... RUSSIA, Barents Sea Coast, Port Approach Guide Murmansk: Obstruction ........ 14
3451(T)/16 3008, 3553, 3555 ...................... NORWAY, West Coast, Bergen, Puddefjorden and Store Lungegårdsvannet: Measuring instruments ........................................ 13
3452(T)/16 3002, 3003, 3538, 3539 ...................... NORWAY, West Coast, Sandnes, Kuholmen E: Depths; Pipe; Buoyage .......... 13
3461(T)/16 2307, 4010, 4011, 4101 ...................... NORWEGIAN SEA, Njord Oil Field: Platform; Moored storage tanker; ..... 13,15,19
3674(T)/16 2683 ...................... NORWEGIAN SEA, Tromsøfjellet N: Measuring instruments ......................... 14
3676(T)/16 3501, 3562 ...................... NORWAY, South Coast, Oslofjorden, Steilene W: Buoyage ...................... 12
3679(T)/16 3500 ...................... NORWAY, South Coast, Notterøy, Nesbyggja E: Rock .................................. 12
3937(P)/16 8182 ...................... RUSSIA, Barents Sea Coast, Port Approach Guide Murmansk: Floating dock 14
3978(T)/16 2327, 2328, 2366, 2368, 4100 ...................... NORWAY, West Coast, Vesteraalsbankene and Eggagrunnen: Measuring instruments ........................................................................... 14
4447(T)/16 3136, 3137 ...................... NORWEGIAN SEA, Svalbard, Prins Karls Forland NW: Measuring instruments ................................................................. 15
4460(T)/16 4101 ...................... NORWAY, West Coast, Halten Bank NW: Works ............................................. 13
4848(P)/16 3508 ...................... NORWAY, South Coast, Tverrdalsøya to Tvedestrand: Lights; Buoyage .......... 12
4889(P)/16 8182 ...................... RUSSIA, Barents Sea Coast, Port Approach Guide Murmansk: Maritime limit: Legend.................................................. 14
4973(P)/16 2966, 8182 ...................... RUSSIA, Barents Sea Coast, Murmansk, Mys Kondratkina S: Mooring buoys 14
4988(P)/16 8182 ...................... RUSSIA, Barents Sea Coast, Port Approach Guide Murmansk: Buoyage ........ 14

4. BALTIC SEA AND APPROACHES

2466(T)/11 798, 836, 837, 853, 872, 2107, 2223, 2251, 2360, 2361, 2856, 2857 ...................... SWEDEN, East Coast, South Coast, West Coast: Danger areas .................. 10,12
3065(T)/13 3441 ...................... FINLAND, Saaristomeri, Utö Westwards: Data buoy .......................................... 11
579(T)/14 2288, 2369, 2688 ...................... POLAND, Gulf of Gdańsk, Approaches to Gdynia and Gdańsk, Hel NE and Zatoka Pucka: Measuring instruments ........................................... 10
657(T)/14 2150, 2369 ...................... POLAND, Ławica Slupska (Stolpe Bank) SE and SW: Measuring instruments ........................................ 10
887(T)/14 2150, 2679 ...................... POLAND, Zatoka Pomorska (Pommersche Bucht), Świnoujście NE: Measuring instruments .................................................. 10
1862(T)/14 887 ...................... SWEDEN, East Coast, Stockholm Skärgård, Staboude-Koh: Restricted area .............. 10
3227(T)/14 2569 ...................... RUSSIA, Baltic Sea Coast, Approaches to Vysotsk: Buoy ........................................ 11
4612(T)/14 2117, 2942 ...................... GERMANY, Baltic Coast, Fehmarn, Puttgarden NE: Buoyage; Restricted area 10
4930(T)/14 2117, 2150, 2601, 2679, 2942, 2945 ...................... BALTIC SEA, Germany: Buoyage; Measuring instruments ........................................................................ 10
5053(T)/14 2106, 2942 ...................... GERMANY, Baltic Coast, Hohwachter Bucht: Restricted area; Foul .............. 10
5540(T)/14 872, 2362 ...................... SWEDEN, East Coast, Utö SE: Restricted area ........................................ 10
5623(T)/14 2115, 2945 ...................... GERMANY, Baltic Coast, Wittow NW, TSS North of Rügen: Restricted area 10
807(T)/15 2223, 2226, 2231, 2288, 2816, 2817 ...................... LATVIA, Ventspils NE and SW, Akmenrāga bāka, Užava and Ovišu: Automatic Identification Systems .................................................. 10
905(T)/15 958, 2360 ...................... DENMARK, Islands, Bornholm N, Davids Banke E: Works; Wreck; Buoy .... 10
924(T)/15 857 ...................... SWEDEN, West Coast, Göta Ålv, Marieholm W: Works; Bridges; Buoyage; Dolphin; Jetty .................................................. 11
1316(P)/15 2364 ...................... RUSSIA, Baltic Sea Coast, Sankt Peterburg, Lesnaya Mol S: Works .................. 11
1492(T)/15 924, 925 ...................... GERMANY, Baltic Coast, Skelfehamn, Kallholmsfjärden NW: Maximum authorised draught .................................................. 11
2009(T)/15 2106, 2117, 2942 ...................... GERMANY, Baltic Coast, Fehmarnsund: Vertical clearance .................. 10
2517(P)/15 2297, 3439, 3441 ...................... FINLAND, Saaristomeri, Åland to Naantali (Nådendal): Submarine power cable .................................................. 11
2690(P)/15 8020 ...................... LITHUANIA, Port Approach Guide Klaipėda: Restricted area; Note ............................ 10
2728(T)/15 2115 ...................... DENMARK, Islands, Møn W: Vertical clearance; Works ............................... 10
3095(T)/15 2944 ...................... GERMANY, Baltic Coast, Rostock N: Foul; Restricted area .......................... 10
4. BALTIC SEA AND APPROACHES - continued

3416(P)/15  8026 ..........  GERMANY, Baltic Coast, Port Approach Guide Rostock: Note 10
3517(P)/15  2248 ............ FINLAND, South Coast, Pellinki Pellinge S, Tunholmen NE to Stängskär and Finstropsholmen S to Sandkallan E: Depths 11
3561(P)/15  853 ............ SWEDEN, West Coast, Smögen to Malmö: Submarine pipeline 12
3637(T)/15  2688 .......... POLAND, Hel SW: Measuring instrument 10
3664(T)/15  2369 .......... POLAND, Leba NE: Tide gauge 10
3764(T)/15  2364, 8058 ...... RUSSIA, Baltic Sea Coast, Petrovskiy Kanal E and Korabel’nuy Kanal: Precautionary areas 11
3958(P)/15  2241, 2248 ...... FINLAND, South Coast, Approaches to Porkkala and Kantvik: Depths 10,11
4389(T)/15  2150, 2288, 2360, 2369 .......... POLAND, Gulf of Gdańsk, Ławica Shlupska (Stolpe Bank) N and Mrzeżyno N: Buoyage; Tidal gauges 10
4469(T)/15  2364 .......... RUSSIA, Baltic Sea Coast, Sankt Petersburg, Ugol’naya Gavan’: Obstruction 11
4646(T)/15  2395 .......... RUSSIA, Baltic Sea Coast, Approaches to Sankt Petersburg: Buoyage 11
4710(T)/15  2150, 2288, 2369, 2679, 2688 .......... POLAND, Gulf of Gdańsk, Oilfield B-3 NE, Darłowo NW, Romnebanken SE, Zatoka Pomorska (Pommersche Bucht): Tidal gauges 10
4712(P)/15  2363 .......... RUSSIA, Baltic Sea Coast, Kronshatt SW: Buoyage 11
4754(P)/15  8020 .......... LITHUANIA, Port Approach Guide Klaipėda: Restricted area; Note 10
4766(T)/15  2679 .......... GERMANY, Baltic Coast, Zempin N: Submarine pipeline 10
5023(T)/15  2106, 2117, 2942 .......... GERMANY, Baltic Coast, Fehmarnbelt: Restricted areas; Fouls 10
5075(T)/15  811, 820 .......... SWEDEN, East Coast, Stockholm, Lidingö SE: Floating barrier; Light-beacons 10
5240(T)/15  2363 .......... RUSSIA, Baltic Sea Coast, Kronštadtskij Korabel’nuy Farvater: Buoyage 11
5352(P)/15  857, 8085 .......... SWEDEN, West Coast, Göta Älv, Lindholmshamnen SE: Works; Obstructions; Buoy 10
5374(P)/15  8104 .......... DENMARK, Islands, Port Approach Guide Københavns Havn: Light-beacons 10
5590(T)/15  2264, 2713 .......... RUSSIA, Baltic Sea Coast, Port of Ust’Luga, Mys Kolganpaya N: Obstruction 11,14
5831(P)/15  8100 .......... LATVIA, Port Approach Guide Ventspils: Depths; Dredged area 10
6082(T)/15  919, 2532 .......... GERMANY, Baltic Coast, Langballigbank E: Restricted area; Foul 10
6083(T)/15  2251, 2816 .......... SWEDEN, East Coast, Norra Midsjöbanken NW: Measuring instruments 10
6085(T)/15  858 .......... SWEDEN, West Coast, Approaches to Göteborg, Benskär W: Measuring instruments 10
6158(T)/15  2677, 2679 .......... POLAND, Approaches to Świnoujście: Wreck; Buoy 10
6330(P)/15  2150, 2223, 2241, 2248, 8026 .......... BALTIC SEA, Helsinki SW to Rostock NE: Submarine cable 10,11
6403(P)/15  8023 .......... LATVIA, Port Approach Guide Riga: Light; Legends; Dredged area; Note 10
6551(T)/15  2355 .......... GERMANY, Baltic Coast, Gothmund N: Light; Buoy 10
6657(P)/15  8020 .......... LITHUANIA, Būtingė Oil Terminal SW: Restricted areas 10
6666(P)/15  8104 .......... DENMARK, Islands, Port Approach Guide Københavns Havn, Margeitholm NE: Restricted area 10
142(P)/16  8085, 8086 .......... SWEDEN, West Coast, Port Approach Guides Göteborg and Approaches to Göteborg: Notes 10
234(P)/16  2241, 2297, 3441 .......... FINLAND, South Coast, Ahvenanmaa NW to Hanko SW: Depths 10,11
361(T)/16  2276, 8020 .......... LITHUANIA, Klaipėda: Works 10
529(T)/16  811 .......... SWEDEN, East Coast, Stockholm, Hammarbyleden: Works; Buoyage; Fairway 10
563(P)/16  8058 .......... SWEDEN, West Coast, Approaches to Port Approach Guide Göteborg: Coastline; Dredged areas; Legends; Dredged depth 10
655(T)/16  2106, 2117, 2942 .......... GERMANY, Baltic Coast, Fehmarnbelt: Superbuoy; Radar beacon; Buoyage 10
694(T)/16  2679 .......... POLAND, Zatoka Pomorska (Pommersche Bucht): Spoil grounds 10
727(P)/16  8059 .......... RUSSIA, Baltic Sea Coast, Port Approach Guide, Approaches to Sankt Peterburg: Restricted area; Legends; Note 11
861(T)/16  428 .......... DENMARK, Islands, Aggersund: Works 9
863(P)/16  426, 427 .......... DENMARK, Islands, Salling Sund SW: Buoyage; Marine farm 9
951(P)/16  919, 2106, 2532 .......... DENMARK, Islands, Als E, Sønderhjorne to Fynshav: Submarine power cable 10
952(P)/16  2583 .......... DENMARK, Islands, Storstrøm, Orehoved to Ore: Submarine power cable 10
4. BALTIC SEA AND APPROACHES - continued

954(P)/16 900, 2106, 2591, 2592 .......... DENMARK, Islands, Trætn, Nørremark to Røje Mose: Submarine power cable .................................................. 10
1058(P)/16 893, 2301 ...... FINLAND, West Coast, Gulf of Bothnia: Radio reporting points; Radio reporting lines................................................. 11
1150(P)/16 8041 ............. SWEDEN, West Coast, Port Approach Guide Malmö, Plan A, Malmö: Note. .................. 10
1202(T)/16 869 .......... SWEDEN, West Coast, Uddevalla, Skeppsholsmspiren: Works................................................. 12
1262(P)/16 902 .......... DENMARK, East Coast, Inderhavn: Works; Bridge ................................................................. 10
1270(P)/16 427 ............ DENMARK, Islands, Salling Sund, Langerodde W: Submarine cable; Works. .................. 9
1277(P)/16 2107 ............. DENMARK, East Coast, Frederikshavn: Works; Buoyage; Dredging area ............... 10
1434(P)/16 3441 .......... FINLAND, Saaristomeri, Uotti to Kyrkjijärvi: Fairway; Swept areas.............................. 11
1526(P)/16 8026 .......... GERMANY, Baltic Coast, Port Approach Guide Rostock: Restricted areas............ 10
1850(P)/16 8104 .......... DENMARK, Islands, Port Approach Guide Københavns Havn, Kvæsthusbroen: Restricted area ................................................................. 10
1897(T)/16 940 .......... DENMARK, Islands, Ny Farvand: Bridge; Works........................................................ 10
2097(T)/16 875 .......... SWEDEN, West Coast, Kullen: Measuring instruments; Buoyage ................................. 10
2099(T)/16 944 .......... DENMARK, Islands, Guldborg Sund, Kong Frederik d.IXs Bro: Works...................... 10
2304(T)/16 2369 .......... POLAND, Ławica Slupska (Stolpe Bank) NE: Buoyage ........................................... 10
2305(T)/16 2369 .......... POLAND, Ławica Slupska (Stolpe Bank) NE: Obstructions ................................. 10
2306(P)/16 811, 820 .......... SWEDEN, East Coast, Stockholm, Karl Johans-slussen: Works; Restricted area; Buoyage............................................................... 10
2312(T)/16 894, 905 .......... DENMARK, East Coast, Randers Fjord E and Gjerrild Bugt N: Depths; Buoyage; Submarine pipelines ................................................................. 10
2482(P)/16 8104 .......... DENMARK, Islands, Port Approach Guide Københavns Havn: Dredged area; Dredged depth .................................................................................. 10
2515(P)/16 8085 .......... SWEDEN, West Coast, Port Approach Guide Göteborg: Dredged depths ...... 10
2548(P)/16 8196 .......... DENMARK, East Coast, Port Approach Guide Fredericia and Kolding: Lights 10
2549(P)/16 8041 .......... SWEDEN, West Coast, Port Approach Guide Malmö: Anchor berth; Reported anchorage ................................................................. 10
2554(T)/16 938, 2596 .......... DENMARK, Islands, Storebælt: Works; Vertical clearance .................................. 10
2611(T)/16 902, 8104 .......... DENMARK, Islands, Københavns Havn, Margretheholm E: Works ............. 10
2731(P)/16 2843 .......... SWEDEN, East Coast, Kalmarsund, Revsudden to Stora Rör: Submarine pipeline ................................................................. 10
2827(T)/16 857 .......... SWEDEN, West Coast, Götaälv, Götaälvbrom: Depths ....................................... 10
2831(T)/16 938, 2596 .......... DENMARK, Islands, Storebælt: Works; Vertical clearances .............................. 10
2901(T)/16 930, 2591 .......... DENMARK, East Coast, Vejle Fjord: Depths .................................................. 10
2977(P)/16 2569, 2727, 2729 RUSSIA, Baltic Sea Coast, Vyotsk and approaches: Depths; Wrecks; Obstructions ................................................................. 10
3016(P)/16 1422, 1423 .......... DENMARK, East Coast, Horns Rev N: Submarine power cable; Restricted area ................................................................. 9
3182(P)/16 857 .......... SWEDEN, West Coast, Göteborg: Dredged areas ................................................. 10
3183(P)/16 8085 .......... SWEDEN, West Coast, Port Approach Guide Göteborg: Dredged depth; Note 10
3186(T)/16 2369 .......... POLAND, Gulf of Gdańsk, Rowy NE to Leba NW: Tidal gauges; Buoyage .... 10
3202(T)/16 2369 .......... POLAND, Ławica Slupska (Stolpe Bank) NE: Tidal gauges; Buoyage ............... 10
3246(P)/16 2363, 2395, 8059 RUSSIA, Baltic Sea Coast, Kronshtadt SW, Lomonosovskaya Otme: Anchorage area; Buoyage; Fairway; Lights; Leading lines; Port development; Precautionary area ................................................................. 11
3268(T)/16 3830 .......... FINLAND, West Coast, Kupeli S: Measuring instrument ........................................ 11
3341(T)/16 3818, 3819 .......... FINLAND, South Coast, Approaches to Helsinki: Buoy ........................................ 11
3429(T)/16 2597, 2942 .......... DENMARK, Islands, Nakskov Fjord: Dredged depth ................................... 10
3476(T)/16 2164, 3830 .......... FINLAND, West Coast, Approaches to Tahkoluoto: Works; Wind farm .... 11
3478(T)/16 3864 .......... FINLAND, East Coast, Approaches to Kemi, Ajos: Works; Wind turbines ...... 11
3531(P)/16 8237 .......... FINLAND, South Coast, Port Approach Guide Kotka and Hamina: Maximum authorised draughts ................................................................. 11
3573(T)/16 902, 8104 .......... DENMARK, East Coast, Christianshavn: Works; Buoyage ............................... 10
3607(T)/16 2855, 2856 .......... SWEDEN, South Coast, Port of Karlshamn, Stillelyshamnen SW and Kölöhamnen: Depths ................................................................. 10
3687(T)/16 2248, 3814 .......... FINLAND, South Coast, Orengrund S, Tainio: Light; Radiobeacon ........... 11
3820(P)/16 8085 .......... SWEDEN, West Coast, Port Approach Guide Göteborg: Works .......................... 10
IA

4. BALTIC SEA AND APPROACHES - continued

<table>
<thead>
<tr>
<th>Number</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>4085(T)/16</td>
<td>2341, 2942</td>
</tr>
<tr>
<td>4089(P)/16</td>
<td>8026</td>
</tr>
<tr>
<td>4113(P)/16</td>
<td>2364, 8058</td>
</tr>
<tr>
<td>4117(P)/16</td>
<td>8085</td>
</tr>
<tr>
<td>4134(P)/16</td>
<td>8237</td>
</tr>
<tr>
<td>4153(T)/16</td>
<td>2344, 8039</td>
</tr>
<tr>
<td>4212(T)/16</td>
<td>3062</td>
</tr>
<tr>
<td>4226(T)/16</td>
<td>2150, 2369, 2679</td>
</tr>
<tr>
<td>4239(T)/16</td>
<td>837, 872</td>
</tr>
<tr>
<td>4240(P)/16</td>
<td>8039</td>
</tr>
<tr>
<td>4302(P)/16</td>
<td>2241, 2817</td>
</tr>
<tr>
<td>4306(T)/16</td>
<td>900, 8196</td>
</tr>
<tr>
<td>4370(T)/16</td>
<td>811, 820</td>
</tr>
<tr>
<td>4391(T)/16</td>
<td>2369</td>
</tr>
<tr>
<td>4422(P)/16</td>
<td>949, 8174</td>
</tr>
<tr>
<td>4551(P)/16</td>
<td>949, 2590, 8174</td>
</tr>
<tr>
<td>4591(T)/16</td>
<td>2364</td>
</tr>
<tr>
<td>4647(P)/16</td>
<td>8237</td>
</tr>
<tr>
<td>4747(T)/16</td>
<td>2167, 3829</td>
</tr>
<tr>
<td>4798(T)/16</td>
<td>2680</td>
</tr>
<tr>
<td>4823(P)/16</td>
<td>8196</td>
</tr>
<tr>
<td>4864(T)/16</td>
<td>2395</td>
</tr>
<tr>
<td>4981(P)/16</td>
<td>2231, 2288, 2289, 2292</td>
</tr>
<tr>
<td>4990(T)/16</td>
<td>837, 872, 2362</td>
</tr>
</tbody>
</table>

5. NORTH SEA AND NORTH AND WEST COASTS OF DENMARK, GERMANY, NETHERLANDS AND BELGIUM

<table>
<thead>
<tr>
<th>Number</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1036(P)/11</td>
<td>1408, 1503, 1631, 2182A</td>
</tr>
<tr>
<td>1660(T)/14</td>
<td>1423, 3767</td>
</tr>
<tr>
<td>1936(P)/14</td>
<td>278, 291</td>
</tr>
<tr>
<td>2458(P)/14</td>
<td>2182A, 2182B</td>
</tr>
<tr>
<td>2779(P)/14</td>
<td>278, 2182B, 2182C</td>
</tr>
<tr>
<td>2903(T)/14</td>
<td>112</td>
</tr>
<tr>
<td>2940(P)/14</td>
<td>110, 1406, 1630, 2449</td>
</tr>
<tr>
<td>3611(T)/14</td>
<td>3631</td>
</tr>
<tr>
<td>5562(T)/14</td>
<td>291, 1239, 1942</td>
</tr>
<tr>
<td>910(P)/15</td>
<td>1423</td>
</tr>
<tr>
<td>913(P)/15</td>
<td>8008</td>
</tr>
<tr>
<td>2115(T)/15</td>
<td>1872, 1874</td>
</tr>
<tr>
<td>2541(T)/15</td>
<td>1406, 1630, 1872, 1873, 1874, 2449</td>
</tr>
<tr>
<td>3017(T)/15</td>
<td>128</td>
</tr>
<tr>
<td>3250(T)/15</td>
<td>1406, 1630, 1872, 1873, 2449</td>
</tr>
</tbody>
</table>
5. NORTH SEA AND NORTH AND WEST COASTS OF DENMARK, GERMANY, NETHERLANDS AND BELGIUM - continued

3322(P)/15 1187, 1632, 2182A, 2182B
3377(T)/15 1630, 1873, 1874
3420(T)/15 1875, 3619, 3767
3727(P)/15 1630
3733(T)/15 294, 295, 2673
3983(T)/15 1872, 1873
4079(T)/15 266
4490(T)/15 274, 292
4549(T)/15 120
4713(T)/15 128
4796(T)/15 1872, 1874
5452(P)/15 1408, 1503, 2182A
5461(P)/15 8097
5526(T)/15 110
5614(T)/15 1872, 1873, 2449
6079(T)/15 207, 208
6285(T)/15 1872, 1874
235(T)/16 208
300(T)/16 120, 1872, 1874, 8011, 8012
477(P)/16 8010
862(P)/15 426
977(T)/16 3618
1128(P)/15 427
1323(T)/16 1406, 1630, 1872, 1873, 2449
1475(T)/16 128
1574(P)/16 8008
1584(P)/16 207
1844(T)/16 125
1848(T)/16 207, 8015
1958(T)/16 295, 299
1977(T)/16 207
2223(P)/16 125, 126
2285(P)/16 8097
2313(T)/16 420, 8229
2314(T)/16 267, 272
2366(P)/16 8069
2386(T)/16 274, 292
2568(P)/16 1423
2708(T)/16 110, 120, 128, 267, 1633, 1874, 3631
2711(P)/16 120, 128
2733(T)/16 274, 292
2873(T)/16 1872, 1874

IA

NORTH SEA, United Kingdom Sector, Markham Gas Field: Offshore installations ................................................................. 7,9
NORTH SEA, Belgium: Measuring instruments; Buoyage ................................................................. 9
GERMANY, North Sea Coast, The Elbe, Friedrichskoog: Marina ................................................................. 9
NORTH SEA, Netherlands Sector, Maas Junction: Obstruction ................................................................. 9
NORTH SEA, United Kingdom Sector, Dunbar Oil Field and Ellon and Grant Gas Fields: Works; Submarine pipeline ................................................................. 6,13
BELGIUM, Approaches to Oostende: Submarine pipeline ................................................................. 9
NETHERLANDS, Rotterdam, Nieuwe Maas, Maaskade: Buoyage .................................................................
NETHERLANDS, Westerschelde, Vaarwater langs Hoofdplaat: Depth ......................................................... 9
DENMARK, North Sea Coast, Thyborøn Sydhavn: Works ...........................................................................
8008
9
6, 13
GERMANY, North Sea Coast, Süderelbe, Port Approach Guide The Elbe -
NORTH SEA, Norwegian Sector, Gullfaks Oil Field S: Buoy ...........................................................................
NORTH SEA, Norwegian Sector, Utsira Ground: Submarine power cable ......................................................... 9
BELGIUM, Westhinder SE: Foul .................................................................................................
9
128
........................
110, 120, 128, 267,
426
........................
9
1630, 1873, 1874
274, 292 ...............
9
1872, 1874 ...........
125
........................
8097
......................
NORTH SEA, Netherlands Sector, Maas Junction: Obstruction .................................................................
NETHERLANDS, Rotterdam, Prinses Arianehaven: Works ...........................................................................
207, 8015 .............
295, 299 ...............
6, 7
267, 272 ...............
274, 292 ...............
NETHERLANDS, Scheveningen: Buoy ..........................................................................................
9
BELGIUM, Zeebrugge: Works ..........................................................................................................
1630
........................
266
........................
207, 208 ...............
9
BELGIUM, Westerschelde, Industriedok: Buoyage; Works ...........................................................................
BELGIUM, Approaches to Oostende: Submarine pipeline ...........................................................................
8097
......................
9
1872, 1873 ...........
1423
......................
125, 126 ...............
9
GERMANY, North Sea Coast, Port Approach Guide Eemshaven including
1872, 1873, 2449
...
BELGIUM, Westhinder SE: Foul ................................................................................................. 9
...
NETHERLANDS, Westerschelde, Vaarwater langs Hoofdplaat: Depth ......................................................... 9
...
BELGIUM, Westhinder SE: Foul ................................................................................................. 9
...
GERMANY, North Sea Coast, Hooksiel : Restricted area ...........................................................................
...
DENMARK, North Sea Coast, Limfjorden, Salling Sund: Works ................................................................. 9
...
BELGIUM, Westhinder E, Westhinder Anchorage N: Foul ...........................................................................
7,9
...
GERMANY, North Sea Coast, Kleine Tegeler Plate NW: Works; Wind farm; Restricted area; Buoyage ................................................................................................. 9
...
NETHERLANDS, Hock van Holland, Breeddiep: Restricted area; Buoyage ................................................................. 9
...
NETHERLANDS, Scheveningen: Buoy ................................................................................................. 9
...
NETHERLANDS, Rotterdam, Prinses Arianehaven: Works ...........................................................................
...
NETHERLANDS, Rotterdam, Nieuwe Maas, Maaskade: Buoyage ................................................................. 9
...
NETHERLANDS, North Sea Coast, Bergen aan Zee to Zuiders Haaks S and Eierlandsche Gronden: Nature reserves .................................................................
...
NETHERLANDS, North Sea Coast, Port Approach Guide Eemshaven including
...
DENMARK, North Sea Coast, Port of Eshjerg, Basins No. 6: Depths ................................................................. 9
...
NORTH SEA, Danish Sector, Harald Gas Field and Syd Arne Gas Field: 7 Works; Restricted areas .................................................................
...
GERMANY, North Sea Coast, Süderelbe, Port Approach Guide The Elbe -
Hamburg: Lights; Leading line ............................................................................................................ 9
...
NORTH SEA, Norwegian Sector, Utsira Ground: Submarine power cable ......................................................... 6,7
...
NORTH SEA, Netherlands Sector, Nordschillgrund SW or Lower Scruff: Wreck .................................................................
...
NORTH SEA, Netherlands Sector: Measuring instruments; Buoyage ................................................................. 7,9
...
NETHERLANDS, Westerschelde: Buoyage ................................................................................................. 9
...
NORTH SEA, Norwegian Sector, Gudrun Oil & Gas Field E: Buoy ................................................................. 6,7
...
BELGIUM, Wenduinebank SE: Submarine pipeline; Buoy ................................................................................................. 9
5. NORTH SEA AND NORTH AND WEST COASTS OF DENMARK, GERMANY, NETHERLANDS AND BELGIUM - continued

2874(P)/16 1406, 1630, 1872, 1874, 2449 ............ BELGIUM, Blighbank: Works; Wind farm; Buoyage; Restricted area.............. 7,9
2949(T)/16 122, 125 ............... NORTHERN SEA, Netherlands Sector, Approaches to Europoort: Buoyage.............. 9
2976(P)/16 266, 267, 1423 ........ NORTHERN SEA, Netherlands Sector, Dogger Bank, Elbow Spit: Wreck.............. 7,9
3059(P)/16 8097 ............... GERMANY, North Sea Coast, Port Approach Guide Eemshaven including Entrance to The Ems : Automatic Identification System................................. 9
3207(T)/16 1630, 1872, 1874, 2449 ............ BELGIUM, Wandelhaar: Wreck; Restricted area; Light; Buoyage............... 7,9
3473(P)/16 266, 1423 ............ NORTHERN SEA, Netherlands Sector, Dogger Bank NE, Elbow Spit SW: Wreck 7,9
3619(T)/16 1406, 1872, 1873, 2449 ............ BELGIUM, Oostdyck Anchorage S: Foul......................................................... 7,9
3620(P)/16 8008 ............... GERMANY, North Sea Coast, Alte Weser, Roter Grund N and Tegeler Plate: Buoyage; Light............................... 9
3656(P)/16 8015 ............... NETHERLANDS, Port Approach Guide Rotterdam Europoort: Dredged areas; Dredged depths; Works ......................................................... 9
3703(P)/16 8010 ............... NETHERLANDS, Port Approach Guide Antwerp: Buoyage.............................................. 9
3758(T)/16 124, 8230 ............ NETHERLANDS, Noordzeeekanaal, Suehaven: Works; Restricted area; Buoyage................................. 9
3792(P)/16 8011 ............... NETHERLANDS, Port Approach Guide Vlissingen and Approaches to Antwerp: Buoy ................................................................. 9
3796(P)/16 8135 ............... GERMANY, North Sea Coast, Port Approach Guide Wilhelmshaven: Danger area; Extraction area................................. 9
3948(P)/16 8010 ............... BELGIUM, Port Approach Guide Antwerp: Precautionary areas............................ 9
4069(T)/16 420, 8229 ............ DENMARK, North Sea Coast, Esbjerg: Works; Measuring instruments..................... 9
4090(P)/16 8072 ............... GERMANY, North Sea Coast, Cuxhaven: Anchorage area; Depth; Buoyage............................... 9
4187(P)/16 8010 ............... BELGIUM, Port Approach Guide Antwerp, Deurganekolk: Works ......................... 9
4204(P)/16 8012 ............... BELGIUM, Port Approach Guide Zeebrugge with Approaches to 9
122, 125 ............... BELGIUM, Port Approach Guide Antwerp: Precautionary areas............ 9
4187(P)/16 8010 ............... BELGIUM, Port Approach Guide Antwerp, Deurganekolk: Works ......................... 9
4204(P)/16 8012 ............... BELGIUM, Port Approach Guide Zeebrugge with Approaches to 9
4223(T)/16 207 ............... NETHERLANDS, Rotterdam, Calandkanaal: Works................................................. 9
4291(P)/16 1408, 1503, 1504, 1631, 2182A ........ NORTH SEA, United Kingdom Sector, Horne & Wren Gas Fields: Works; Platform................................................................................................................................. 7,9
4368(P)/16 1632, 1633 ............ NORTHERN SEA, Netherlands Sector, TSS North Friesland : Obstructions................. 9
4375(T)/16 1872, 1874 ............ BELGIUM, Gootebank NE, Westpit and Bol van Knokke: Foul.............. 9
4405(T)/16 1422, 1423 ............ DENMARK, North Sea Coast, Horns Rev: Obstructions................. 9
4446(T)/16 1631, 1632 ............ NORTHERN SEA, Netherlands Sector, Sea Gas Field E: Platform......................... 9
4470(P)/16 8097 ............... GERMANY, North Sea Coast, Port Approach Guide Eemshaven including Entrance to the Ems: Buoy................................................................. 9
4519(T)/16 1423, 1633, 1635, 1875, 3766, 3767 ........ NORTH SEA, German Sector: Measuring instruments; Buoyage.................... 9
4542(P)/16 124 ............... NETHERLANDS, Ijmuiden, Zuidelijke Sluiseiland: Works; Lights.................. 9
4643(P)/16 267, 1422, 1423, 2182A, 2182B........ NORTH SEA, Netherlands Sector, Nordschillgrund or Lower Scruff W and SW: Obstructions ......................................................................................................................... 7,9
4781(T)/16 122, 125 ............... NETHERLANDS, Scheveningen: Buoyage......................................................... 9
4782(P)/16 8011 ............... NETHERLANDS, Port Approach Guide Vlissingen and Approaches to Antwerp: Light; Leading line; Legend......................................................... 9
4987(P)/16 267, 1422, 1423 .. NORTH SEA, Netherlands Sector, Dogger Tail End: Obstructions ............. 7,9

6. FRANCE AND SPAIN, NORTH AND WEST COASTS, AND PORTUGAL

940(P)/12 1150 ............... SPAIN, North Coast, Ria de Suances, El Tropiezo to Muelle de Solvay: Beacons; Light-beacons................................................................. 17
3159(T)/12 1104, 2649 ........ FRANCE, West Coast, Île d’Ouessant Westwards, Little Sole Bank South-westwards: Obstructions .................................................................................. 1,16
4345(T)/12 3259 ............... PORTUGAL, West Coast, Approaches to Setúbal, Outão North-north-eastwards: Works................................................................. 18
1154(P)/14 1150 ............... SPAIN, North Coast, Approaches to Puerto de Luanco and Puerto de Lastres: Depths; Marina.................................................................................. 17
4171(T)/14 87, 3634 ............ PORTUGAL, West Coast, Montedor SW: Platform; Automatic Identification System................................. 18
6. FRANCE AND SPAIN, NORTH AND WEST COASTS, AND PORTUGAL - continued

4403(P)/14 323, 1892 .......... FRANCE, North Coast, Approaches to Dunkerque: Buoyage ........................ 1
1183(P)/15 2976 .......... SPAIN, South West Coast, Approaches to Rio Guadalquivir: Buoyage .......... 18
1623(T)/15 2148, 2451, 2613, 2656, 2675 .......... FRANCE, North Coast, Approaches to Fécamp: Measuring instrument; Buoyage ......................................................... 1,16
2314(T)/15 3257 .......... PORTUGAL, West Coast, Entrance to Rio Lima: Buoy ........................................ 18
2341(T)/15 3635, 3636 .......... PORTUGAL, West Coast, Cabo Espichel NW: Data collection buoy .......... 18
3240(T)/15 2643, 2646, 2647, 2648, 2663, 2669 .......... FRANCE, North Coast, North Coast to West Coast: Automatic Identification Systems .................................................... 16,17
6155(P)/15 3224 .......... PORTUGAL, West Coast, Sines: Depths; Drying height ........................................ 18
6526(T)/15 323, 1351, 1892 .. FRANCE, North Coast, Approaches to Calais: Works; Explosives dumping ground ............................................ 1,16
6527(P)/15 2146, 2879 .......... FRANCE, North Coast, Approaches to Chenal de Rouen: Depths; Buoyage; Spoil ground ................................................................. 16
488(T)/16 3222 .......... PORTUGAL, West Coast, Lisboa, Canal da Siderurgia: Buoyage ............... 18
956(T)/16 323, 1350, 1872, 1873, 8163, 8164 .......... FRANCE, North Coast, Dunkerque Port Ouest: Restricted areas ............................................ 1,9,16
1373(P)/16 83, 89 .......... PORTUGAL, South Coast, Portimão, Ponta João de Arens SW: Reef; Buoyage ........ 18
1759(T)/16 3222 .......... PORTUGAL, West Coast, Rio Coïna, Siderurgia NW: Buoy .............................. 18
1762(T)/16 3227 .......... PORTUGAL, West Coast, Approaches to Aveiro: Buoy ............................................. 18
1960(T)/16 1731 .......... SPAIN, West Coast, Vigo: Buoy ................................................................. 18
2032(P)/16 8163 .......... FRANCE, North Coast, Port Approach Guide Dunkerque: Legend .................. 16
2401(T)/16 3227 .......... PORTUGAL, West Coast, Porto de Aveiro, Canal de Mira: Buoy ............... 18
2473(P)/16 8136 .......... FRANCE, North Coast, Port Approach Guide Rouen: Maritime limits; Legends; Coastline ................................................................. 16
2545(P)/16 2976, 2977, 2979, 2980 .......... SPAIN, South West Coast, Rio Guadalquivir: Depths; Buoyage; Light-beacons; Lights ................................................. 18
3270(P)/16 8133 .......... PORTUGAL, West Coast, Baía de Cascais: Anchorage areas ...................... 18
3363(T)/16 1114, 2454, 2613, 2656, 2669, 2675, 3653 .......... FRANCE, North Coast, Approaches to Cherbourg, Cap de la Hague E: Buoy; Virtual aid to navigation ........................................................................ 1,16
3365(T)/16 2986 .......... FRANCE, West Coast, Approaches to La Loire, Le Poulguen S: Restricted area; Submarine pipeline ................................................................. 17
3574(T)/16 3220, 3221 .......... PORTUGAL, West Coast, Ponta da Calha SW: Buoy .......................... 18
3733(T)/16 323, 1610, 1872, 1873, 2449 .......... FRANCE, North Coast, Binnen Rattel N: Buoy; Measuring instrument; Automatic Identification System ................................................. 1,7,9
4156(P)/16 8040 .......... FRANCE, West Coast, Port Approach Guide Saint-Nazaire: Lights; Dolphin; Virtual aid to navigation ..................................................... 17
4746(P)/16 323, 1872, 1873, 1892 .......... FRANCE, North Coast, Calais and Dunkerque: Vessel traffic services; Waiting area; Channel limit .................................................. 1,9
4852(P)/16 8137 .......... PORTUGAL, West Coast, Port Approach Guide Sines: Note .............................. 16

7. NORTH ATLANTIC OCEAN

1088(T)/13 219, 245, 1129, 2182D .......... NORTH ATLANTIC OCEAN, Faroey South-westwards, North-westwards, North-eastwards and South-eastwards: Measuring instruments ........................................................................ 6,13,15
1550(T)/14 1689, 1831 .......... NORTH ATLANTIC OCEAN, Arquipélago da Madeira, Baía do Porto Santo: Data collection buoy ........................................................................................................ 20
2974(T)/14 4407 .......... NORTH ATLANTIC OCEAN, Mid-Atlantic Ridge North-westwards: Sub-surface oceanographic buoys and moorings ................................................................. 82
3069(T)/15 1957 .......... NORTH ATLANTIC OCEAN, Arquipélago dos Açores, Vila da Praia: Buoy; Automatic Identification System ......................................................... 19
3647(T)/15 4012, 4013, 4014, 4104, 4115, 4216, 4407 .......... NORTH ATLANTIC OCEAN, Cape Verde Plateau N and Mid-Atlantic Ridge: Buoyage ........................................................................ 87
4392(T)/15 245, 2733, 2734, 2897, 2902, 4102, 4112, 4114, 4405 .......... NORTH ATLANTIC OCEAN, Reykjaness Ridge: Measuring instruments; Data collection buoys ................................................................. 15,19,76
6575(P)/15 1861, 3133, 3134 .......... NORTH ATLANTIC OCEAN, Islas Canarias, El Hierro: Restricted areas ........................................................................ 20
2122(T)/16 1690 .......... NORTH ATLANTIC OCEAN, Western Sahara, Approaches to Ad Dakhla: Wreck
### 7. NORTH ATLANTIC OCEAN - continued

<table>
<thead>
<tr>
<th>Code</th>
<th>Date</th>
<th>Numbers</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2495(T)/16</td>
<td>311, 529, 709, 716</td>
<td>NORTH ATLANTIC OCEAN, SOUTH ATLANTIC OCEAN, INDIAN OCEAN, NORTH PACIFIC OCEAN: Data buoys</td>
<td>35,36,38, 42,43,46, 53,64,87, 89,92,95</td>
</tr>
<tr>
<td>4294(T)/16</td>
<td>4011, 4012, 4013, 4407</td>
<td>NORTH ATLANTIC OCEAN, Sohm Abyssal Plain: Buoy</td>
<td>19,82</td>
</tr>
</tbody>
</table>

### 8. MEDITERRANEAN AND BLACK SEAS

<table>
<thead>
<tr>
<th>Code</th>
<th>Date</th>
<th>Numbers</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5175(P)/10</td>
<td>3400</td>
<td>EGYPT, North Coast, Mersa Matruh: Coastline</td>
<td>24</td>
</tr>
<tr>
<td>938(T)/12</td>
<td>2214, 2233</td>
<td>RUSSIA, Black Sea Coast, Novorossiysk South-westwards: Scientific instruments</td>
<td>31</td>
</tr>
<tr>
<td>359(T)/13</td>
<td>1701, 1704</td>
<td>SPAIN, Mediterranean Sea Coast, Golfo de San Jorge or de Sant Jordi South-eastwards, Afortunada Oilfield: Buoyage</td>
<td>25</td>
</tr>
<tr>
<td>738(T)/13</td>
<td>269</td>
<td>CROATIA, Approaches to Ploče, Kanal Vlaška Westwards: Works; Buoy</td>
<td>27</td>
</tr>
<tr>
<td>1947(T)/13</td>
<td>186, 187, 188</td>
<td>ITALY, East Coast, Strait of Otranto: Current meters</td>
<td>27</td>
</tr>
<tr>
<td>2188(T)/13</td>
<td>965</td>
<td>ITALY, Sicilia, South Coast, Porto di Licata, Darsena Mariannello: Piers</td>
<td>24</td>
</tr>
<tr>
<td>2500(T)/13</td>
<td>119</td>
<td>ITALY, West Coast, Approaches to Livorno, Torre del Boccace to Torre del Romito: Obstructions</td>
<td>26</td>
</tr>
<tr>
<td>3164(P)/13</td>
<td>1018</td>
<td>ITALY, West Coast, Gulf of Genoa to Golfo di Napoli — South Coast — Capo Rizzato and Golfo di Taranto — East Coast — Golfo di Manfredonia and Promontorio del Gargano to Isole Tremiti — SARDEGNA — East Coast to North West Coast — SICILIA — North Coast — East Coast: Restricted areas</td>
<td>26</td>
</tr>
<tr>
<td>4821(T)/13</td>
<td>1578</td>
<td>MONTENEGRO, Kotor: Buoy</td>
<td>27</td>
</tr>
<tr>
<td>4844(T)/13</td>
<td>3312</td>
<td>RUSSIA, Black Sea Coast, Lazarevskoye North-westwards: Measuring instrument; Buoy</td>
<td>31</td>
</tr>
<tr>
<td>562(T)/14</td>
<td>1574</td>
<td>CROATIA, Neretvanski Kanal, Ploče S: Current meter</td>
<td>27</td>
</tr>
<tr>
<td>852(T)/14</td>
<td>954</td>
<td>ITALY, West Coast, Salerno: Port developments</td>
<td>26</td>
</tr>
<tr>
<td>1149(T)/14</td>
<td>1210</td>
<td>ITALY, Sardegna, Porto di Arbatax: Works</td>
<td>25</td>
</tr>
<tr>
<td>2644(P)/14</td>
<td>2214, 2216, 2217, 2232, 2233, 2234, 2242</td>
<td>UKRAINE, Crimea Peninsula: General information</td>
<td>31</td>
</tr>
<tr>
<td>2905(P)/14</td>
<td>2399</td>
<td>BULGARIA, Burgas, West Basin SE: Less water</td>
<td>31</td>
</tr>
<tr>
<td>3367(T)/14</td>
<td>201, 204, 269, 1471, 1574, 2712</td>
<td>CROATIA, Otok Brač to Umag: Current meters</td>
<td>27</td>
</tr>
<tr>
<td>3743(T)/14</td>
<td>177</td>
<td>MALTA, Ta’ Xbiex E: Submarine pipelines; Restricted area; Buoyage</td>
<td>24</td>
</tr>
<tr>
<td>4827(P)/14</td>
<td>3313, 3317</td>
<td>GEORGIA, Kulevi: Depths</td>
<td>31</td>
</tr>
<tr>
<td>5565(T)/14</td>
<td>2213, 2232, 2282</td>
<td>ROMANIA, Portul Sulina E: Wreck</td>
<td>31</td>
</tr>
<tr>
<td>81(T)/15</td>
<td>2242</td>
<td>UKRAINE, Kerch Strait, Kerch-Yenikal Channel, Port Kyrm SE: Depths</td>
<td>31</td>
</tr>
<tr>
<td>686(P)/15</td>
<td>2408</td>
<td>GREECE, West Coast, Approaches to Igoumenitsa: Works; Buoyage; Breakwater; Lights</td>
<td>27</td>
</tr>
<tr>
<td>743(P)/15</td>
<td>3312</td>
<td>RUSSIA, Black Sea Coast, Entrance to Tuapse: Depths</td>
<td>31</td>
</tr>
<tr>
<td>1309(P)/15</td>
<td>1578</td>
<td>MONTENEGRO, Titav, Porto Montenegro: Breakwaters; Lights; Pontoons; Works</td>
<td>27</td>
</tr>
<tr>
<td>1612(T)/15</td>
<td>908, 914, 915</td>
<td>ITALY, West Coast, Rada di Napoli, Anchorage C3: Foul; Buoy</td>
<td>26</td>
</tr>
<tr>
<td>2111(T)/15</td>
<td>2216, 2233</td>
<td>BLACK SEA, Kerch Strait S: Submarine cable</td>
<td>31</td>
</tr>
<tr>
<td>2132(P)/15</td>
<td>196, 200, 1443</td>
<td>ITALY, East Coast, Pescara E to Isola Pianosa SE: Submarine power cable</td>
<td>27</td>
</tr>
<tr>
<td>2463(T)/15</td>
<td>1591</td>
<td>ISRAEL, Mediterranean Sea Coast, Ashdod: Beacon; Buoyage</td>
<td>30</td>
</tr>
<tr>
<td>4368(P)/15</td>
<td>8055</td>
<td>EGYPT, North Coast, Port Approach Guide Minâ Al Iskandariyyah (Port of Alexandria): Hulks; Legend</td>
<td>24</td>
</tr>
<tr>
<td>4520(P)/15</td>
<td>8034</td>
<td>MALTA, Marsaxlokk: Buoyage</td>
<td>24</td>
</tr>
<tr>
<td>4684(T)/15</td>
<td>2217</td>
<td>BLACK SEA, Ukraine, Kozacha Bukhta W: Restricted areas</td>
<td>31</td>
</tr>
<tr>
<td>4685(T)/15</td>
<td>3312</td>
<td>RUSSIA, Black Sea Coast, Sochi: Restricted area; Buoyage</td>
<td>31</td>
</tr>
<tr>
<td>4734(T)/15</td>
<td>953</td>
<td>ITALY, West Coast, Civitatevecchia, Container Terminal Westwards: Buoyage</td>
<td>26</td>
</tr>
<tr>
<td>4864(T)/15</td>
<td>91, 142, 773, 1912</td>
<td>MOROCCO, North Coast, Approaches to Tanger: Wreck; Buoyage</td>
<td>18</td>
</tr>
</tbody>
</table>
8. MEDITERRANEAN AND BLACK SEAS - continued

5084(P)/15 8091 ....................... ISRAEL, Mediterranean Sea Coast, Port Approach Guide Ashdod: Pilot boarding place ................................................................. 9

5325(T)/15 183, 4300, 4302 .. CYPRUS, South Coast, Paphos Pt: Scientific instruments ................................................................. 24

5662(T)/15 2242 ....................... UKRAINE, RUSSIA, Kerch Strait, Mys Varzovka S to Mys Akhilleon S: Submarine cable ................................................. 31

5717(T)/15 241, 2573, 2578 .. EGYPT, North Coast, Approaches to Port Said: Buoyage; Offshore installations ........................................................................... 31

6181(P)/15 8061 ....................... ISRAEL, Mediterranean Sea Coast, Port Approach Guide Hefa (Haifa): Maritime limits; Legends; Light ........................................ 30

6224(T)/15 1643 ....................... ITALY, South Coast, Taranto: Restricted area ........................................................................................................ 27

6329(P)/15 8017 ....................... GREECE, Aegean Sea Coast, Port Approach Guide Peiraiás: Maritime limit; Legend ........................................................................... 27

6614(P)/15 8121 ....................... TURKEY, İstanbul Boğazı, Port Approach Guide İstanbul: Legend........................................................................ 29

6667(P)/15 1442 ....................... ITALY, East Coast, Venezia: Works; Breakwaters; Jetties; Dolphins; Unsurveyed areas; Depths; Light-beacon ........................................... 27

243(P)/16 8110 ....................... TURKEY, West Coast, Port Approach Guide Nemrut Liman and Aliaga: Jetty; Legend ........................................................................... 29

313(P)/16 8121 ....................... TURKEY, İstanbul Boğazı, Port Approach Guide İstanbul: Automatic Identification System; Radar beacon ... ........................................................................... 29

436(T)/16 2202, 2205, 2212 UKRAINE, Approaches to Port Yuzhnyy, Odes’ka Banka NW: Spoil grounds; Buoyage ....................................................... 31

630(P)/16 8105 ....................... TURKEY, West Coast, Port Approach Guide İzmir: Buoy ................................................................. 29

632(T)/16 202 ....................... CROATIA, Velebitski Kanal, U. Burnjača: Marine farm .................................................................................. 27

633(T)/16 515 ....................... CROATIA, Velebitski Kanal, U. Lukovo Sugarja: Marine farm .................................................................................. 27

817(P)/16 8119 ....................... TURKEY, South Coast, Port Approach Guide Mersin: Buoy ................................................................. 30

858(T)/16 2212 ....................... UKRAINE, Dnistrov’s’ky Lyman S: Buoy ............................................................................................ 31

860(T)/16 965 ....................... ITALY, Sicilia, Gela, Porto Isola SE: Obstruction; Restricted area .................................................................................. 24

927(P)/16 1618, 8110 .......... UKRAINE, West Coast, Nemrut Liman: Works; Lights .................................................................................. 29

1203(T)/16 2234 ....................... RUSSIA, Black Sea Coast, Sea of Azov: Approaches to Kerch Strait: Buoy ... .................................................................................. 31

1562(T)/16 1211 ....................... ITALY, Sardegna, Golfo Ferro: Beacon .................................................................................. 25

1670(P)/16 8119 ....................... TURKEY, South Coast, Port Approach Guide Mersin: Buoyage .................................................................................. 30

1727(P)/16 1006 ....................... TURKEY, Marmara Denizi, Bandirma: Depths; Rock .................................................................................. 29

1754(P)/16 8121 ....................... TURKEY, Marmara Denizi, Port Approach Guide İstanbul: Buoy .................................................................................. 29

1758(P)/16 8205 ....................... BULGARIA, Port Approach Guide Approaches to Varna: Restricted area; Legend .................................................................................. 31

1851(P)/16 3313, 3317 ....... GEORGIA, P’ot’i: Buoyage; Works; Obstructions; Lights; Leading lights .................................................................................. 31

1875(T)/16 186, 187, 188, 1544, 1545, 8210 ITALY, East Coast, Brindisi: Vessel traffic service .................................................................................. 27

1976(P)/16 8148 ....................... TURKEY, South Coast, Port Approach Guide İskenderun: Light; Jetty .................................................................................. 30

1978(P)/16 8178 ....................... LEBANON, Port Approach Guide Beyrouth (Beirut): Wrecks .................................................................................. 30

2172(P)/16 8213 ....................... ITALY, East Coast, Port Approach Guide Trieste: Restricted area; Works .................................................................................. 27

2339(P)/16 8115 ....................... BULGARIA, Port Approach Guide Burgas: Restricted areas; Legends .................................................................................. 31

2423(P)/16 8121 ....................... TURKEY, Marmara Denizi, Port Approach Guide İstanbul : Legend; Pilot boarding place .................................................................................. 29

2458(P)/16 8226 ....................... ITALY, West Coast, Port Approach Guide Savona and Vado: Restricted area .................................................................................. 26

2501(P)/16 8204 ....................... BULGARIA, Port Approach Guide Varna: Dredged depth; Berth; Wreck .................................................................................. 31

2517(T)/16 194, 2538 .................. MALTA, Valletta E: Buoy .................................................................................. 24

2585(T)/16 1643 ....................... ITALY, South Coast, Taranto, Mar Piccolo, Pta. Penna S: Buoyage; Restricted area .................................................................................. 27

2640(P)/16 8052 ....................... CYPRUS, South Coast: Marine Reserves .................................................................................. 30

2822(T)/16 1194 ....................... SPAIN, Mediterranean Sea Coast, Cartagena, Muelle de Santa Lucia NW: Works; Buoyage .................................................................................. 25

2854(T)/16 915, 8235 .................. ITALY, West Coast, Napoli, Canale di Levante, Molo Progresso: Restricted area .................................................................................. 26

3102(P)/16 8213, 8214 .......... SLOVENIA, Debeli Rtič NE: Marine Reserve .................................................................................. 27

3180(T)/16 2242 ....................... UKRAINE, Kercen-Yenikal Channel: Depths .................................................................................. 31

3181(T)/16 2242 ....................... UKRAINE, Kercen-Yenikal Channel and Kercens’ka Bukhta SW: Buoyage .................................................................................. 31

3302(T)/16 118 ....................... ITALY, West Coast, La Spezia, Porto Lotti: Restricted area; Works .................................................................................. 26
8. MEDITERRANEAN AND BLACK SEAS - continued

3306(T)/16 131, 1999 .......... ITALY, West Coast, Porto di Piombino: Lights; Buoy................................. 25,26
3325(P)/16 1556 .............. GRECE, Aegean Sea Coast, Porthmós Evripiou and Approaches: Marina; Light-beacon; Restricted area; Buoy; Pilot boarding place; Depths............................... 28
3447(T)/16 186 ................. ITALY, East Coast, Molfetta: Port development; Anchor berth; Explosive dumping ground ........................................... 27
3469(P)/16 8092 ............... MOROCCO, North Coast, Port Approach Guide Tanger-Méditerranée: Automatic Identification System ................................................................. 20
3548(T)/16 224, 1004, 1005 .. TURKEY, Marmara Denizi, Çanakkale to Istanbul: Routing measures................... 29
3572(P)/16 8198 ................ FRANCE, South Coast, Port Approach Guide Marseille: Works.......................... 25
3724(T)/16 211, 2537 ........... MALTA, Kemmuna (Comino), Kemmunett (Cominotto) NW: Buoy 24
3800(P)/16 8009 ................ FRANCE, South Coast, Port Approach Guide Port de Fos: Anchorage area; Legends; Maritime limit ................................................................. 25
3812(T)/16 2216, 2242 ....... UKRAINE, Kerch Strait: Works........................................................................ 31
3840(P)/16 8091 ................ ISRAEL, Mediterranean Sea Coast, Port Approach Guide Ashqelon: Light ..... 9
3895(P)/16 1445, 1467 .......... ITALY, East Coast, Ravenna: Dredged area; Maximum authorised draught; 27
3899(T)/16 194, 2538 .......... MALTA, Marsascala E: Buoyage .............................................................. 24
4017(T)/16 1211 ................ ITALY, Sardegna, Isola Tavolara NE: Wreck; Restricted area.................. 25
4030(P)/16 2070 ................ GRECE, Aegean Sea Coast, Thessaloniki: Depths; Works; Buoyage; Wreck; 28
4211(T)/16 3318, 8074 ........ RUSSIA, Black Sea Coast, Novorossiysk: Works; Buoyage........................ 31
4209(P)/16 1571 ................ GRECE, Aegean Sea Coast, Lávrio: Jetties; Fouls; Quay; Wrecks ............. 28
4317(T)/16 45, 144, 1448 ...... GIBRALTAR, Commercial Port: Light ................................................. 18
4427(P)/16 8121 ................ TURKEY, Marmara Denizi, Port Approach Guide Istanbul: Legend ........ 29
4544(T)/16 2242 ................ BLACK SEA, Kerch Strait, Mys Ak-Bunur to Kosa Tuzla: Restricted areas; 31
................................................ Works; Buoyage ........................................................................ 31
4581(P)/16 8243 ............... CROATIA, Port Approach Guide Rijeka: Seaplane operating areas ........ 27
4583(T)/16 177, 8161 .......... MALTA, Valletta harbours, Dragut Shool E: Buoy; Automatic Identification 24
................................................ System ........................................................................
4586(T)/16 269, 8254 .......... CROATIA, Split, Gradiska Luka SE: Works; Buoyage ............................... 27
4642(P)/16 2212, 2214, 2232, 24
................................................ 2243, 4300 .......... UKRAINE, Odesa S: Legend ........................................................................ 24,31
4667(P)/16 1159, 1198, 8121. TURKEY, İstanbul Boğazı, Tophane: Works; Restricted area................ 29
4673(P)/16 3313, 3317 .......... GEORGIA, Ba’umi: Anchorage areas; Lights; Buoyage; Submarine pipeline; 31
................................................ Anchor berths; Harbour developments ........................................ 31
4867(P)/16 8119 ................ TURKEY, South Coast, Port Approach Guide Mersin: Buoyage ................ 30
4890(P)/16 8074 ................ RUSSIA, Black Sea Coast, Port Approach Guide Novorossiysk: Anchorage 31
................................................ area ..................................................................................
4958(P)/16 141, 8092 .......... MOROCCO, North Coast, Tanger Med 1: Buoyage; Works; Restricted area ... 18,20
4959(P)/16 8092 .......... MOROCCO, North Coast, Port Approach Guide Tanger-Méditerranée: 20
................................................ Dredged depths; Dredging areas ...........................................
5012(P)/16 142, 773, 1912 .... MOROCCO, North Coast, Baie de Tanger: Depths; Obstructions; Pilot 18
................................................ boarding places; Anchorage areas; Buoy; Restricted area; Maritime limit .....
5013(P)/16 8235 .......... ITALY, West Coast, Port Approach Guide Napoli (Naples): Floating dock .... 26

9. AFRICA, WEST COAST AND SOUTH ATLANTIC

5264(T)/10 614, 623, 625, 686 SIERRA LEONE, Approaches to Freetown Eastwards: Works 20
5382(T)/10 595, 1383, 1384, 34
................................................ 3432 .......... GHANA, Tema South-eastwards: Buoyage .................................................................. 34
4558(P)/11 306 ................ ANGOLA, Ponta da Moita Seca Westwards, Kizomba A Terminal 34
................................................ Southwards: Platforms; Submarine pipelines ................................................................
3064(T)/13 3101 ................ IVORY COAST, Approaches to Port D’Abidjan : Wreck ...................... 34
3680(T)/13 1362, 3099 .......... IVORY COAST, San-Pédro Southwards: Wreck ......................... 34
2148(T)/14 1690 ............... MOROCCO, West Coast, Ad Dakhla, Peninsula de Río de Oro S and SW: 20
................................................ Wrecks; Buoy ........................................................................ 20
4735(P)/14 607 ................ SENEGAL, Rivière Saloum, Île Ndãr to Guãgue Mendy: Depths .......... 20
590(P)/15 306 ................ ANGOLA, Kuíto Terminal NW: Submarine pipelines ........................ 34
3341(T)/15 1000 .......... SENEGAL, Baie de Gorée: Obstruction .................................................. 20
9. AFRICA, WEST COAST AND SOUTH ATLANTIC - continued

4221(P)/15  8060 ...................... SENEGAL, Port Approach Guide Dakar Port: Wreck .................................................. 20
4498(T)/15  1664 ...................... SENEGAL, Approaches to Rivière Casamance: Wreck .................................................. 20
4753(P)/15  8060 ...................... SENEGAL, Port Approach Guide Dakar: Note........................................................................... 20
5134(P)/15  306 ...................... ANGOLA, Yombo Terminal N to Kossa 1 Terminal SW: Channels; Submarine pipelines; Submarine cable; Waiting areas................................................................. 34
5515(P)/15  1699 ...................... MAURITANIA, Baie de Cansado: Depths ........................................................................... 20
5973(P)/15  1322, 1387, 3118, 3433  CAMEROON, Cap Debundsha NW, Baie Panavia and Kribi: Restricted areas; Anchor age area ........................................................................................................................................ 34
278(P)/16  1595 ...................... SOUTH ATLANTIC OCEAN, São Tomé e Príncipe, São Tomé: Lights; Buoy; Wrecks; Depths; Works ................................................................. 34
1084(P)/16  8060 ...................... SENEGAL, Port Approach Guide Dakar: Pilot boarding place .................................................. 20
2756(P)/16  1688 ...................... MAURITANIA, Baie de Tànlit N and Port de l’Amitié: Jetties; Light ........................................ 20
2798(P)/16  658 ...................... ANGOLA, Approaches to Soyo, Pululu Channel: Depths; Pontoone ............................................................................................................... 34
2856(P)/16  1385, 3118, 3321.  NIGERIA, Okan Oilfield to Sonar Gasfield: Submarine pipeline .................................................. 34
3356(T)/16  3290 ...................... CONGO, Terminal Djenjo: Restricted area; Submarine pipeline ............................................................................................................................... 34
3789(P)/16  8096 ...................... NAMIBIA, Port Approach Guide Walvis Bay: Jetty ............................................................... 34
3847(T)/16  856, 860, 861 ......... MOROCCO, West Coast, Approaches to Casablanca: Wreck................................. 20
4198(P)/16  657 ...................... CONGO (DEMOCRATIC REPUBLIC), River Congo: Recommended track...................................................... 34
4227(P)/16  8060 ...................... SENEGAL, Port Approach Guide Dakar: Automatic Identification Systems... 20
4457(P)/16  8192 ...................... GUINEA, Conakry Harbour: Light........................................................................ 34
10. AFRICA, SOUTH AND EAST COASTS, AND MADAGASCAR

5556(T)/12  644 ...................... MOZAMBIQUE, Approaches to Maputo, Canal do Norte, Baixo Cutfield Northwards: Buoy ............................................................................................................................................... 36
5452(P)/14  5125, 5126, D 6083 SOUTH AFRICA, South Coast, Cape Town E, Agulhas Bank and Transkei Basin: Maritime limit ............................................................................................................................................... 0
304(T)/15  646 ...................... MOZAMBIQUE, Baia de Maputo, Canal da Polana NE: Depth .................................................. 36
1102(P)/15  8005 ...................... SOUTH AFRICA, East Coast, Port Approach Guide Durban: Restricted area; Dredged area ............................................................................................................................................... 35
1731(T)/16  644 ...................... MOZAMBIQUE, Approaches to Maputo, Canal Do Norte: Virtual aids to navigation..................................................................................................................................... 36
3022(P)/15  8005 ...................... SOUTH AFRICA, East Coast, Port Approach Guide Durban: Buoy................................................................................................................................. 35
3338(T)/15  4156, 4159 .......... SOUTH AFRICA, South Coast, Hamburg SE: Current meters .................................................................................................................................................. 35
5235(T)/15  3795, 3797, 4171  SOUTH AFRICA, East Coast, Scottburgh NE: Buoy .................................................................................................................. 35
5244(T)/15  578, 2095, 4153, 4154, 4155  SOUTH AFRICA, South Coast, Mossel Bay and Oribi Oilfield: Platforms; Buoy .................................................................................................................................................. 35
296(T)/16  4150, 4151, 4152  SOUTH AFRICA, South Coast, Valsbaai, Whittle Rk E: Buoy ................................................................................................................................. 35
1303(P)/16  8027 ...................... KENYA, Port Approach Guide Mombasa: Legend ................................................................................. 36
1440(P)/16  706, 2871 ............... MADAGASCAR, West Coast, Nosí Bé S and W: Wrecks; Depths; Rocks; Obstructions; Foul; Light................................................................................................................................. 37
1579(P)/16  865 ...................... TANZANIA, Sudi, Madjovi Rocks NE to Kisewa Jamada N: Depths ................................................................................................................................. 36
1870(T)/16  4158, 8021 ........... SOUTH AFRICA, South Coast, Port Elizabeth: Dredged depths ......................................................................................................................................................... 35
1871(T)/16  643, 4170 ............... SOUTH AFRICA, East Coast, Durban Harbour Entrance: Measuring instrument ................................................................. 35
2226(T)/16  4173, 4174, 8019  SOUTH AFRICA, East Coast, Richards Bay Harbour: Depths ................................................................................................................................. 35
2283(T)/16  1846, 8025 ........... SOUTH AFRICA, West Coast, Cape Town, Duncan Dock and Ben Schoeman Dock: Depths; Dredged depths ................................................................................................................................. 35
2427(T)/16  4162 ...................... SOUTH AFRICA, South Coast, East London: Depths ................................................................................................................................. 35
2906(T)/16  644, 466, 8037 ....... MOZAMBIQUE, Baia de Maputo: Works ................................................................................................................................. 36
2950(T)/16  643, 8005 ........... SOUTH AFRICA, East Coast, Durban Harbour: Depths; Dredged depths ................................................................................................................................. 35
3014(T)/16  690, 1032, 2927, 2929, 2949, 3877 TANZANIA, Mafia Island to Mtwara: Buoyage; Measuring instruments ................................................................................................................................. 36
3057(P)/16  8027 ...................... KENYA, Ras Serani SE: Buoy................................................................................................................................. 36
3846(P)/16  2758 ...................... MOZAMBIQUE, Porto da Beira, Canal do Macuti and Canal Rambler: Depths 36
4132(T)/16  578, 4153 .......... SOUTH AFRICA, South Coast, Oribi and Oryx Oilfields SE: Current meters ................................................................................................................................. 35
4602(T)/16  1922, 4150, 4151, 4152  SOUTH AFRICA, West Coast, Valsbaai: Obstructions ................................................................................................................................. 35
10. AFRICA, SOUTH AND EAST COASTS, AND MADAGASCAR - continued

4868(T)/16 644, 646 ................. MOZAMBIQUE, Porto de Maputo, Canal da Xefina and Canal da Polana: Buoyage........................................ 36

11. RED SEA, ARABIA, IRAQ AND IRAN

1030(P)/12 2132, 2373 ............... EGYPT, Red Sea Coast, Wâdi Feirân Terminal, Berth No 2: Buoyage........ 32
413(T)/13 542 ................. YEMEN, Approaches to Port of Ḫudaydah: Wreck .................................................. 32
2035(T)/13 2884 ................. IRAN, Ra’s-e Tanb South-westwards: Wreck; Buoyage ................... 40
2960(T)/13 3739 ................. UNITED ARAB EMIRATES, Dubai (Dubayy), The World Project South-westwards: Buoy .... 40
3234(T)/13 1229 ................. IRAQ, Hadd Warbah, Khawr ‘Abd Allah: Wreck ........................................... 40
4678(T)/13 3523 ................. OMAN, Gulf of Oman, Approaches to Wūdam, As Suwayq North-westwards: Wreck; Buoyage .................................................. 40
3212(P)/14 2443, 2444, 2886, 2887, 2889, 3177, 3178, 3179, 3413, 3780, 3951 ............... UNITED ARAB EMIRATES, Jabal az Zannah (Jabal Dhanna) NE: Vessel traffic service.................................................. 40
4851(T)/14 2444, 2837, 2889, 3178, 3179 ................. UNITED ARAB EMIRATES, Zarkouh Oilfield N: Restricted area ............... 40
5236(T)/14 2523, 2883, 2886, 2887, 3950 ............... QATAR, Ra’s Laffan NW & E, Ra’s al ‘Ilāj, Jazirat Sharā‘īwah S: Buoyage ... 40
326(T)/15 3734, 3736, 3737 ............... BAHRAIN, Mmā’ Salmān and Approaches: Works; Depths.......................... 40
657(P)/15 3736 ................. BAHRAIN, Approaches to Mīnā Salmān, Qaṣṣār an Qulay’ah NW: Submarine pipeline ................................................................. 40
856(T)/15 1235, 1265, 2847, 2858, 2882, 2884, 3773 ............... ARABIA, Khawr al Kafta: Buoyage................................................................. 40
1279(T)/15 2523, 2823, 2847, 2886, 3772, 3950 ............... QATAR, Approaches to Ra’s Laffān: Buoy .................................................................................. 40
1773(P)/15 3739 ................. UNITED ARAB EMIRATES, Jebel Ali (Mīnā’ Jabal ‘Ālī), Palm Jumeirah SW: Works; Restricted area; Buoyage ................................................................. 40
2091(P)/15 3777, 3788, 3790, 3812 ............... SAUDI ARABIA, East Coast, Approaches to Ad Dammām (Mīnā al Malik ‘Abd al ’Azīz): Dredged areas; Buoyage; Works ................................................................. 40
2573(P)/15 3787, 3950 ............... QATAR, Approaches to Mesaieed, Ra’s al ‘Ilāj NE: Works; Buoyage ............... 40
2694(P)/15 2444, 2523, 2886, 2887, 2889, 3413, 3772, 3950 ............... QATAR, Ra’s Laffān to Jazirat Ḥalūl: Submarine cable ................................................................. 40
3708(T)/15 333, 2374 ............... EGYPT, Red Sea Coast, Tor Bank W: Platform; Buoyage.................. 32
3749(P)/15 8043 ............... BAHRAIN, Port Approach Guide Approaches to Bahrain: Vessel traffic service ................................................................. 40
4727(P)/15 1214, 3773 ............... KUWAIT, Approaches to Mīnā’ ash Shuwaykh: Works........................................... 40
4761(P)/15 8029 ............... SAUDI ARABIA, Red Sea Coast, Port Approach Guide Jeddah (Mīnā’ Al Jīddah): Note .................................................................................. 32
5265(P)/15 15 ............... SAUDI ARABIA, Red Sea Coast, Northern Approaches to Jīzān: Port developments................................................................. 32
5557(P)/15 2896 ............... OMAN, Port Salalah: Breakwater; Buoy; Lights ................................................................. 32
5640(T)/15 3738, 3761, 3786, 3788, 3790 ............... BAHRAIN, Juzur Amwaj NE: Buoy ................................................................. 40
5692(P)/15 2523, 2837, 2847, 2883, 2886 ............... QATAR, Al Shaheen Oilfield W: Submarine cables.................................................. 40
6055(P)/15 2847, 2882, 3775 ............... SAUDI ARABIA, East Coast, Ra’s al Khair Port: Port developments ............... 40
40(T)/16 333, 2374 ............... EGYPT, Red Sea Coast, Morgan Oilfield: Radar beacon .................................................. 32
321(T)/16 3174, 3404 ............... UNITED ARAB EMIRATES, Saqr Port (Mīnā Saqr) NW: Buoy ............... 40
403(P)/16 2523, 2837, 2847, 2883, 2886, 3772, 3950 ............... QATAR, Ra’s Laffān to Al Shaheen Oilfield: Submarine pipelines ................................................................. 40
II. RED SEA, ARABIA, IRAQ AND IRAN - continued

500(P)/16 8106 ...................... UNITED ARAB EMIRATES, Port Approach Guide Abu Dhabi (Abū Zaby): 40
Light...............................................................

798(T)/16 2523, 2837, 2858, 8106 ...................... IRAN, Cable Bank: Buoy .......................................................... 40
8283, 2886, 2887

1007(P)/16 801 ........................ ISRAEL, Red Sea Coast, Approaches to Port of Eilat and Marina of Eilat S.: 32
Anchorage area; Anchor berths; Pilot boarding place; Marine farms; Restricted
areas; Buoyage; Lights ................................. 40

1012(P)/16 8106 ...................... UNITED ARAB EMIRATES, Abu Dhabi (Abū Zaby), Sās al Nakhūl Channel (Khawr al Bighāl): Vertical clearance ................................................................. 40

1182(T)/16 333, 2374 .............. EGYPT, Red Sea Coast, Badri Oilfield: Platform; Light ................................ 32

1334(P)/16 8118 ...................... QATAR, Port Approach Guide Masaieed (Musay’id or Umm said): Pilot
boarding place ................................................ 40

1625(P)/16 240, 241, 2133, 2374, 2578 ...................................................... EGYPT, Suez Canal, Port Said NE to Port Suez S: Works; Depths; Port
development; Anchor berths; Dredged area ........ 24,32

2031(P)/16 2523, 2837, 2847, 8218 ...................... QATAR, North Field (Alpha) Gasfield SW: Platforms; Piles ............... 40
2886 ......................

2142(P)/16 8042 ...................... BAHRAIN, Port Approach Guide Bahrain: Light .................................................. 40

2221(T)/16 3734, 3736, 3737 ...................... BAHRAIN, Port of Bahrain: Buoyage ......................................................... 40

2364(P)/16 263 ...................... DJIBOUTI, Port of Djibouti, Doraleh N: Works ................................................. 32

2734(T)/16 1228 ...................... IRAQ, Az Zubayr: Depths .................................................................... 40

2736(P)/16 3734, 3736, 3737, 3738, 8042, 8043 ...................... BAHRAIN, Port of Sitrah: Reclamation areas; Dredging areas ........ 40

2796(T)/16 1223, 2882, 2884, 3773, 3774 ...................... KUWAIT, Minā’ Az Zawr (Minā’ Sa’ud) - Minā’ Az Zawr (Minā’ Sa’ud): Restricted area; Buoyage ................................................................. 40

2826(P)/16 6, 2895, 2896, 2970, 3530, 3784, 3785 .............. GULF OF ADEN, Oman and Somalia, Port Salalah to Boosaaso and Berbera: 32

2891(P)/16 2889, 3179, 3780, 3951, 8221 ...................... Submarine cables ........................................................................... 40

2939(P)/16 38, 39, 58, 707 ........................ ARABIAN SEA, Karachi to Murray Ridge: Submarine cable .................. 41

2970(T)/16 2889, 3179, 3951 ...................... UNITED ARAB EMIRATES, Jazirat Arzanah SE and Jazirat Dalma E: Buoy: 40
Platform .................................................................

4281(P)/16 63, 2659 ...................... SAUDI ARABIA, Red Sea Coast, Northern and Southern Approaches to King 32
Abdullah Port: Harbour developments; Depths ........................................

4295(P)/16 15, 16, 16 ........................ SAUDI ARABIA, Red Sea Coast, Approaches to Jizán: Depths; Wrecks; 32
Submarine pipeline ......................................................................................

4297(P)/16 8101 ...................... GULF OF OMAN, Port Approach Guide Fujairah (Fujayrah) and Khawr 32
Fakkān: Breakwater; Jetty .................................................................

4346(T)/16 2441, 2837, 2887 ...................... IRAN, Jazīrēh-ye Tāb-e Bozorg SE: Buoy .................................................. 40

4426(P)/16 158, 2658, 2659 ...................................................... SAUDI ARABIA, Red Sea Coast, SW Approaches to Jeddah (Mīnā’ al 32
Jiddah): Depths ......................................................................................

4472(P)/16 0, None Q 6099, Q 6111 ...................... ARABIAN SEA, MARITIME SECURITY CHARTS - PERSIAN GULF
AND ARABIAN SEA: General information .................. 0, None

4480(P)/16 8118 ...................... QATAR, Port Approach Guide Masaieed (Musay’id or Umm said): Buoyage: 40
Radar beacons .................................................

4492(P)/16 11, 1268, 2847, 2882, 2884, 3774 ...................... IRAN, Hendhijān Oilfield to Foroozan Oilfield, and Jazīrēh-ye Khārkh: 40
Platforms; Submarine cables; Submarine pipelines ..........................................

4526(P)/16 8221 ...................... UNITED ARAB EMIRATES, Port Approach Guide Ar Ru’a’ys (Ruways) and 40
Jabal Az Zannah (Jabal Dhamna): Recommended track; Buoy; Automatic
Identification System ..................................................

4627(P)/16 2577, 2599, 2658, 2659 ...................... SAUDI ARABIA, Red Sea Coast, Jeddah (Mīnā’ al Jiddah) and approaches: 32
Depths; Wrecks; Obstruction; Beacons; Buoyage; Anchorage areas ...........

4709(P)/16 8221 ...................... UNITED ARAB EMIRATES, Port Approach Guide Ar Ru’a’ys (Ruways) and 40
Jabal Az Zannah (Jabal Dhamna): Dredged area; Buoyage; Swinging circle ....

4845(T)/16 63, 2659 ...................... SAUDI ARABIA, Red Sea Coast, Approaches to King Abdullah Port: Lights 32

4850(P)/16 3752, 8253 ...................... UNITED ARAB EMIRATES, Approaches to Khalifa Port: Works ................ 40
11. RED SEA, ARABIA, IRAQ AND IRAN - continued

IA

12. INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA

4002(P)/12 569 ........................ INDIA, East Coast, Krishnâpatnam Port: Port developments ........................................ 43
874(T)/13 40, 58 .......................... PAKISTAN, Approaches to Karachi Harbour, New Manora Breakwater and Manora Breakwater: Lights................................................................. 41
1396(T)/13 319, 828, 829 ......... INDIA, East Coast, Vishâkapatnam Southwards: Obstruction .......................... 42,43
4428(P)/13 1487, 2622, 2736  INDIA, West Coast, Approaches to Mumbai (Bombay): Radio reporting line. 41
4867(T)/13 38 ................................ PAKISTAN, Gwâdar, West Bay and Ormâra Westwards: Islets ......................... 41
2442(P)/14 670, 3460 ............... INDIA, West Coast, Gulf of Kachchh, Approaches to Navlakhâ: Buoyage ...... 41
5483(T)/14 823, 830 ................... BURMA, Approaches to the Mouths of the Ayeyarwady, Baragua Flats SE: Restricted area .......................................................... 43,45
662(T)/15 90, 817, 829 .......... BANGLADESH, Elephant Point SW: Wreck...................................................... 43
1106(P)/15 317, 318, 320, 321, 814, 1486, 1487, 1508, 1509, 1564, 1565, 1566, 1584, 1586, 1587, 2069 ...... INDIA, East Coast, West Coast, Pûrâdîp to Gulf of Khabîbat: Automatic Identification Systems ........................................... 41,42,43
3224(P)/15 1488 ........................ INDIA, West Coast, Port Pipávâ: Dredging area................................. 41
3337(P)/15 8032 ........................ PAKISTAN, Port Approach Guide Karachi: Light ............................................. 41
3588(T)/15 825, 840, 842, 1398, 1419, 3904 INDIA, East Coast, Andaman Sea, North Andaman Island Eastwards to Great Nicobar Island Eastwards: Buoyage .............................................................. 42,43,45
4109(T)/15 1487, 2622 ........... INDIA, West Coast, Approaches to Mumbai (Bombay): Obstructions .......... 41
4283(T)/15 3460 ........................ INDIA, West Coast, Porbandar: Jetty: Obstructions.................................. 41
4311(T)/15 1495 ........................ INDIAN OCEAN, La Réunion, Saint-Gilles les Bains N and SW: Buoy; Beacons ................................................................. 38
5315(T)/15 61, 1565, 1566 ...... INDIA, West Coast, Approaches to Kochi: Buoyage .................................... 41
5316(T)/15 1566 ........................ INDIA, West Coast, Kovalam Point SE: Marine farm .................................... 41
6056(T)/15 830 ........................ ANDAMAN SEA, Gulf of Martaban SW: Works; Offshore installations .... 45
6669(P)/15 818, 823, 825, 827, 829, 830, 4706, 4707 ................ BURMA, Bay of Bengal: Submarine cable ............................................................... 42,43,45
534(P)/16 682, 3460 ............... INDIA, West Coast, Approaches to Kendla: Depths; Drying heights; Buoyage; Recommended track; Lights; Leading line; Platform; Port developments; Beacon ......................................................................................... 41
631(T)/16 817, 818, 823, 829, 830 .................. BURMA, Manaung (Cheduba) Island N, W and S, Cape Negrais NW: Works 43,45
955(T)/16 39, 524, 682, 1465, 1466 .............. INDIA, West Coast, Okha W: Buoy ......................................................... 41
1003(T)/16 492, 1509 ............... INDIA, West Coast, Mormugao and approaches: Dredging areas; Spoil grounds ....................................................... 41
1332(T)/16 1495 ........................ INDIAN OCEAN, La Réunion, Saint-Gilles les Bains: Buoyage .................. 38
1757(P)/16 651 ........................ INDIA, West Coast, Mundra Port: Works ...................................................... 41
1922(T)/16 817, 818, 829 ..... BURMA, Paton Peninsula: Offshore installations ......................................................... 43
1939(P)/16 8166 ...................... BANGLADESH, Approaches to Chittagong, Patenga Point NW: Wreck; Buoy 43
2008(P)/16 682, 699 .................... INDIA, West Coast, Gulf of Kachchh, Sikka Creek and Reliance Tanker Berths: Buoyage; Leading line; Restricted area; Depth ................................................................. 41
### 12. INDIAN OCEAN, PAKISTAN, INDIA, SRI LANKA, BANGLADESH AND BURMA - continued

<table>
<thead>
<tr>
<th>Week</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2249(T)/16</td>
<td>707, 708, 1474, 1509, 1565, 1587, 2736, 2738</td>
<td>INDIA, West Coast, Veraval to Cape Comorin: Obstructions</td>
</tr>
<tr>
<td>2693(T)/16</td>
<td>90</td>
<td>BANGLADESH, Kutubdia Channel: Works</td>
</tr>
<tr>
<td>2907(T)/16</td>
<td>318, 319, 320, 829, 2069</td>
<td>INDIA, East Coast, Bay of Bengal: Obstructions</td>
</tr>
<tr>
<td>2944(P)/16</td>
<td>8022</td>
<td>SRI LANKA, West Coast, Colombo Harbour: Works</td>
</tr>
<tr>
<td>3203(T)/16</td>
<td>59, 8180</td>
<td>PAKISTAN, Port Muhammad Bin Qasim: Berths</td>
</tr>
<tr>
<td>3443(P)/16</td>
<td>2622</td>
<td>INDIA, West Coast, Jawahar Lal Nehru Port and Trombay: Leading lights; Maintained channels; Dredged areas; Port developments; Harbour limits; Buoyage</td>
</tr>
<tr>
<td>3444(P)/16</td>
<td>2622</td>
<td>INDIA, West Coast, Port of Mumbai (Bombay) and Approaches: Buoyage; Beacons; Leading line; Pilot boarding place; Anchorage areas</td>
</tr>
<tr>
<td>4300(P)/16</td>
<td>84, 90, 8166</td>
<td>BANGLADESH, Approaches to Chittagong: Depths; Wrecks; Buoyage; Submarine pipeline; Jetties; Light</td>
</tr>
<tr>
<td>4320(T)/16</td>
<td>3467, 3468</td>
<td>INDIA, West Coast, Approaches to New Mangalore: Buoyage</td>
</tr>
<tr>
<td>4328(T)/16</td>
<td>317, 571, 573, 825, 827, 828, 829, 840, 1398, 2069, 4706, 4707</td>
<td>INDIA, East Coast, Bay of Bengal, Andaman Sea: Buoyage</td>
</tr>
<tr>
<td>4347(P)/16</td>
<td>2622</td>
<td>INDIA, West Coast, Port of Mumbai (Bombay) and Approaches: Buoyage; Maintained channel; Leading line; Light-beacons</td>
</tr>
<tr>
<td>4371(T)/16</td>
<td>492, 707, 708, 709, 1509, 2736, 2738, 4703, 4705, 4706, 4707</td>
<td>INDIA, West Coast, Arabian Sea: Data buoys</td>
</tr>
<tr>
<td>4552(P)/16</td>
<td>3323</td>
<td>INDIAN OCEAN, Maldives, Male’ to Hulule: Works; Bridge</td>
</tr>
<tr>
<td>4604(T)/16</td>
<td>815, 816, 1583, 1584</td>
<td>SRI LANKA, East Coast, Trincomalee SW: Light</td>
</tr>
<tr>
<td>4621(P)/16</td>
<td>1655</td>
<td>SRI LANKA, West Coast, Colombo Harbour: Lights</td>
</tr>
<tr>
<td>4622(P)/16</td>
<td>8022</td>
<td>SRI LANKA, West Coast, Colombo Harbour: Lights</td>
</tr>
<tr>
<td>4671(P)/16</td>
<td>3465, 3473</td>
<td>INDIA, West Coast, Häzira: Dredged area</td>
</tr>
</tbody>
</table>

### 13. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA

<table>
<thead>
<tr>
<th>Week</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3962(T)/13</td>
<td>2403, 3831</td>
<td>SINGAPORE STRAIT, Middle Channel, Middle Rocks Westwards: Works</td>
</tr>
<tr>
<td>4318(T)/13</td>
<td>2403, 3937, 3949</td>
<td>INDONESIA, Sumatera, Selat Riau, Pulau Batam, Tanjung Turut Eastwards and North-eastwards: Light-beacon; Buoy</td>
</tr>
<tr>
<td>4345(P)/13</td>
<td>937, 1962, 2347, 3488, 4509, 4510</td>
<td>SINGAPORE, BRUNEI, PHILIPPINES, HONG KONG, CHINA, JAPAN: Submarine cables</td>
</tr>
<tr>
<td>564(T)/14</td>
<td>2139, 3940, 3945, 3946</td>
<td>MALACCA STRAIT, Permatang Sedepa (One Fathom Bank) N: Buoy; Wreck</td>
</tr>
<tr>
<td>4672(T)/14</td>
<td>2403, 3831, 4042</td>
<td>SINGAPORE STRAIT, Johor S: Buoy</td>
</tr>
<tr>
<td>707(T)/15</td>
<td>2139, 3901, 3902, 3940, 3945, 3946</td>
<td>MALACCA STRAIT, Permatang Sedepa (One Fathom Bank): Wreck</td>
</tr>
<tr>
<td>708(T)/15</td>
<td>3902, 3946</td>
<td>MALAYSIA, Peninsular Malaysia, West Coast, Tanjung Tuan South-eastwards: Buoy; Wreck</td>
</tr>
<tr>
<td>710(P)/15</td>
<td>1312, 1789, 2403, 3902, 3948</td>
<td>INDONESIA, Sumatera, Selat Durian to Muara-Muara Sungai Reteh: Submarine cable</td>
</tr>
<tr>
<td>4112(T)/15</td>
<td>2403, 3833, 4039</td>
<td>SINGAPORE STRAIT, Pulau Cula W: Buoy</td>
</tr>
</tbody>
</table>
IA

13. MALACCA STRAIT, SINGAPORE STRAIT AND SUMATERA - continued

4281(P)/15 14, 46, 48, 51, 80, 591, 897, 917, 1379, 1420, 1449, 1789, 1844, 1947, 2056, 2403, 2785, 2862, 2873, 2876, 2915, 2936, 3125, 3237, 3446, 3471, 3706, 3831, 3833, 3937, 3948, 3949, 4039, 4042, 4117, 4416, 4417, 4950, 4951, 4952, 4955, 937, 1555, 1962, 1059, 1251, 341, 3026, 47

5099(P)/15 3833 ........................ MALAYSIA, Peninsular Malaysia, West Coast, Pelabuhan Tanjung Pelepas SE and Johor Bahru: Reclamation areas .........................................................

6135(T)/15 2403, 3833, 4039, 4040 ........................ SINGAPORE STRAIT, Nipa Transit : Buoyage ..............................................

6251(P)/15 2403, 3833, 3947, 4038, 4039, 4040 ........................ SINGAPORE, Tuas View SW: Submarine cable ...........................

470(T)/16 3833, 4038, 4044 ........................ MALAYSIA, Peninsular Malaysia, West Coast, Tanjung Pelepas SE and Johor Bahru: Reclamation areas ..............................................

5038(T)/16 2315(P)/16 3901, 3944 ........................ MALAYSIA, Peninsular Malaysia, West Coast, Selat Manjung (Selat Dinding), Sungai Manjung (Sungai Dinding) and Approaches : Dredged areas; Depths; Buoyage ...

6277(T)/16 2152, 2155, 8232 ........................ MALAYSIA, Peninsular Malaysia, West Coast, Pelabuhan Klang, Tanjung Bakar NE: Wreck; Buoy.................................

2678(T)/16 2152, 2155, 8232 ........................ MALAYSIA, Peninsular Malaysia, West Coast, Pelabuhan Utara: Wrecks ..........................

2679(T)/16 2139, 3902, 3946, 8233 ........................ MALACCA STRAIT, Tanjung Ru S: Wreck; Buoyage .............................

2710(T)/16 1141, 3946, 3947 ........................ MALAYSIA, Peninsular Malaysia, West Coast, Melaka W: Submarine cable; Works ..........................

3083(P)/16 3471, 3476 ........................... INDONESIA, Sumatera, East Coast, Sungai Palembang: Leading lights; Light-beacons; Depths ..............................................

4467(P)/16 8107 ........................ MALAYSIA, Peninsular Malaysia, West Coast, Port Approach Guide Pinang: Light; Note ..................

14. CHINA SEA WITH ITS WEST SHORE AND CHINA

2855(T)/06 1251 .............................. CHINA, Yellow Sea Coast, Approaches to Dadong Shuidao: Restricted area...

5172(T)/10 341, 937, 1555, 1962, 3026, 4127 ........................ CHINA, South Coast, Approaches to Hong Kong, Dangan Shuidao, Po Toi S-westwards: Obstruction ..............................................

3997(T)/12 341, 3020 ........................ CHINA, South Coast, Macao East-south-eastwards, Qingzhou Shuidao, Qingsan Men: Light-beacons ..........................

4557(T)/12 342 ............................... CHINA, Zhijiang Kou, Dachan Shuidao: Buoyage ..................................

3079(T)/13 1059 ............................. VIETNAM, Song Thi Vai, Posco Port Westwards: Buoyage ..........................

3163(P)/13 1738 ............................. CHINA, South Coast, Meizhou Wan, Pan Yu Eastwards: Port development ....

5038(T)/13 2619 ............................. TAIWAN, North Coast, Chi-Lung, Ho-p’ing Tao, Chien-shan Pi South-eastwards: Scientific instrument ..........................

5137(T)/13 2409 ............................. TAIWAN, West Coast, T’ai-nan South-westwards, An-p’ing Kang: Buoyage ..........................

5403(T)/13 1555, 3488, 3489, 4508 .............................. SOUTH CHINA SEA, Southern Approaches to Hong Kong, Wenwei Zhou SE: Obstruction ..........................

57(T)/14 1199.............................. CHINA, East Coast, Zoushan Qundao, Approaches to Huangze Yang, Dong-banyang Jiao SW: Buoy .................................

222(T)/14 937, 1555, 1962 .. CHINA, South Coast, Approaches to Daya Wan, Qing Zhou SE and Sanmen Fairway S: Spoil grounds ..........................
14. CHINA SEA WITH ITS WEST SHORE AND CHINA - continued

656(T)/14 1206, 1255 .......... CHINA, Yellow Sea Coast, Yantaigang Xiganqu: Buoyage .......................... 52
1418(P)/14 66, 2414, 2426, 3482, 3961 .......... SOUTH CHINA SEA, Songkla to Kapak Natuna Oilfield NE: Submarine cable .................................................. 47
1804(P)/14 1281 .................. CHINA, East Coast, Approaches to Yangkou Gang, Taiyang Sha E: Beacon............................................... 52
3648(T)/14 1760, 1968, 2409 TAIWAN, West Coast, P'eng-Hu Kang-Tao, P'eng-Hu Tao, Li-cheng Chiao to Chin-hu SW: Submarine cable ........................................... 50
4264(T)/14 3489 .................. SOUTH CHINA SEA, Pratas Island SW: Buoy ................................................................. 48
4317(T)/14 3489, 4508 .......... SOUTH CHINA SEA, South China Basin, Macclesfield NE: Buoy .......................... 47, 48
4410(T)/14 3884 .................. VIETNAM, East Coast, Da Nang, Ban Dao Son Tra N: Buoy ............................................. 47
4465(T)/14 3489, 4410, 4509 TAIWAN, Luzon Strait, Philippine Sea, Batan Islands E: Buoy .................. 48, 57
5163(P)/14 3449, 3452 ........... CHINA, East Coast, Taiwan Strait, Xiamen Dao, Xiamen Gang and Approaches: Fairway; Works; Port developments; Depths ........................................ 50
5218(T)/14 67, 2414, 3965 .... THAILAND, Gulf of Thailand Coast, Prachuap Khiri Khan E: Platforms .................................................. 47
518(T)/15 2653 .................. CHINA, Bo Hai, Bohai Wan, Approaches to Tianjin Gang: Obstruction .................................................. 52
650(T)/15 1286, 1287 .......... CHINA, Bo Hai, Approaches to Yingkou, Xi Tan N: Restricted area .................................................. 52
737(T)/15 66, 3961 ................ THAILAND, Gulf of Thailand Coast, Songkla approach: Wreck .................................................. 47
1751(P)/15 1604, 1605 .......... CHINA, East Coast, Tongzhousha Shuidao, Langshan Sha N: Wrecks .................................................. 50
2163(P)/15 343 .................. CHINA, South Coast, Zhujiang Kou, Lingding Shuidao: Depth .................................................. 47
4129(T)/15 4129 .................. CHINA, South Coast, Lingding Yang: Depths .................................................................................. 50
2676(T)/15 1261 ................ VIETNAM, Mouths of the Mekong River, Cua Ham Luong E: Wreck .................................................. 47
3273(T)/15 66, 2426, 3961 .... THAILAND, Gulf of Thailand Coast, Ko Losin NW: Wreck .................................................. 47
3275(T)/15 2403, 3831, 4042 MALAYSIA, Peninsular Malaysia, East Coast, Johor SE: Buoy .................................................. 45
3276(P)/15 2618 .................. TAIWAN, T'ai-Chung: Depths .................................................................................. 50
3747(T)/15 1281 .................. CHINA, East Coast, Approaches to Yangkou Gang, Taiyang Sha S: Buoy .................................................. 52
3848(T)/15 4122, 4123 .......... CHINA, South Coast, Hong Kong, Urmston Road S: Works .................................................. 47, 50
3857(T)/15 1130 .................. CHINA, East Coast, Menkou Gang: Works .................................................................................. 50
4210(T)/15 1100 ................. VIETNAM, South Coast, Banc du Soirais: Dredged area; Buoyage .................................................. 47
4250(T)/15 2412, 4509 .......... EASTERN CHINA SEA, Yushan Liedao E: Platforms .................................................. 53, 57
4501(T)/15 341, 343, 4129 .. CHINA, South Coast, Longgu West Fairway: Buoy .................................................. 47
4606(T)/15 2412, 3480 .......... CHINA, East Coast, Shanghai E: Superbuoy .................................................................................. 52, 53
5021(T)/15 341, 343, 3026 .... CHINA, South Coast, Lingding Yang: Buoyage; Automatic Identification Systems; Radar beacons .................................................. 47, 50
5671(P)/15 3449 .................. CHINA, East Coast, Xiamen Gang: Precautionary areas .................................................. 50
5342(P)/15 8053 .................. TAIWAN, Port Approach Guide Kaohsiung: Radar beacon .................................................. 50
5355(T)/15 1059 .................. VIETNAM, Song Thi Vai: Dredged area .................................................................................. 47
5824(P)/15 1318, 8130 .......... CHINA, Yellow Sea Coast, Yantai Liedao: Depths .................................................................................. 52
5836(P)/15 739 .................. CHINA, Yellow Sea Coast, Lianyangou, Xugou Hangdao: Port developments; Depths .................................................. 52
5946(P)/15 342, 348 .......... CHINA, South Coast, Zhujiang Kou, North Channel, Kaifeng Wharf and Electric Power Plant Wharf: Depths.................................................. 47
6200(T)/15 1962, 1968 ......... CHINA, South Coast, Nanpeng Liedao SW: Buoy .................................................. 50
6242(T)/15 343, 3026 .......... CHINA, South Coast, Lingding Shuidao: Wreck .................................................. 47, 50
6450(T)/15 1304 .................. CHINA, East Coast, Huibie Yang: Wreck .................................................. 50
6451(T)/15 1305 .................. CHINA, East Coast, Zhongjieshan Liedao: Virtual aid to navigation .................................................. 50
6501(T)/15 2410 .................. CHINA, East Coast, Dong Hai, Min Jiang: Light-beacon; Radar beacon; Virtual aid to navigation .................................................. 50
6597(P)/15 1250, 1255, 1294, 1294 .......... CHINA, Bo Hai, Approaches to Longkou Gang: Recommended route .................................................. 52
6668(P)/15 1379, 3445, 3446 MALAYSIA, Peninsular Malaysia, East Coast, Kuantan Port and Approaches: Breakwater; Works; Buoyage; Extraction area; Models .................................................................................. 47
6672(P)/15 1039 .................. VIETNAM, Outer approaches to Ho Chi Minh City, Song Sai Gon: Depths; Buoyage; Lights .................................................................................. 47
6688(P)/15 54 .................. CHINA, South Coast, Shentou Gangqu NE: Lights; Buoyage .................................................. 47
6689(T)/15 54 .................. CHINA, South Coast, Shentou Gangqu: Works .................................................................................. 47
6690(T)/15 3890 .................. CHINA, South Coast, Xiliiao Dao NE: Virtual aid to navigation .................................................. 47
70(T)/16 1249, 1250, 8141 CHINA, Bohai Jingtang SE: Offshore installation .................................................. 52
95(T)/16 341, 4129 .......... CHINA, South Coast, Hong Kong, Cheung Chau NW and Chi Ma Wan Peninsular E: Works .................................................. 47, 50
14. CHINA SEA WITH ITS WEST SHORE AND CHINA - continued

144(T)/16  1304 .................. CHINA, East Coast, Waidiao Shan W: Works ........................................ 50
364(T)/16  1199, 1602 ............... CHINA, East Coast, Changjiang Kou SE: Virtual aid to navigation ............ 50
379(P)/16  8141 ....................... CHINA, Bo Hai, Port Approach Guide Bohai Wan: Anchorage areas; Legends 52
424(P)/16  343 ....................... CHINA, South Coast, Zhujiang Kou: Depths ....................................... 47
535(T)/16  1760, 1792, 1962, 1968 .... TAIWAN STRAIT, Nan’ao Dao SE: Virtual aid to navigation ............... 50
608(T)/16  4123 ....................... CHINA, South Coast, Hong Kong, Black Point NE: Works ....................... 50
821(P)/16  8167 ....................... CHINA, Yellow Sea Coast, Guanhe Kou N: Wreck ........................................ 52
876(T)/16  1754 ....................... CHINA, East Coast, Sishuang Liedao NW: Virtual aid to navigation ............. 50
877(P)/16  1254, 1256, 1289, 3480 . CHINA, Yellow Sea Coast, Shidao E: Precautionary area .................... 52
1013(P)/6  8155 ....................... CHINA, Bo Hai, Port Approach Guide Approaches to Bayuquan and Xianrendao: Buoyage; Radar beacon .......................................................... 52
1082(T)/6  1253 ....................... CHINA, Yellow Sea Coast, Huang Hai: Virtual aid to navigation ............... 52
1088(T)/6  1199, 1305, 1306 ............ CHINA, East Coast, Approaches to Qushan Dao: Works ......................... 50
1096(T)/6  3348, 3349, 3892, 8159 . CHINA, South Coast, Naozhao Dao: Light-vehicle; Radar beacon; Buoy .. 47
1123(P)/6  94, 1962, 1968, 3026, 3489 . CHINA, South Coast, Zhentou Yan S to Macclesfield Bank NE: Submarine cables .................................................................................. 47, 48, 50
1130(T)/6  1557, 8114 ............... CHINA, South Coast, Zuhai Gang and Gaolan Gangu: Buoyage ................. 47
1143(T)/6  1126, 1759, 2412 ............ CHINA, East Coast, Xiazhong Men SE: Buoyage ................................... 50, 53
1152(T)/6  343, 349 .................... CHINA, South Coast, Longxue Shuidao: Wreck ........................................... 47
1190(T)/6  1036 ....................... VIETNAM, South Coast, Approaches to Ho Chi Minh City, Long Tao River: Wreck ......................................................................................................................... 47
1271(T)/6  1304 ....................... CHINA, East Coast, Cezi Dao S: Works ......................................................... 50
1290(P)/6  1761, 1968, 2024, 2412, 2412, 3236, 3237, 3658 . EASTERN CHINA SEA, Taiwan to Nansei Shoto: Submarine cable; Works .................................................. 50, 53
1352(T)/6  2412, 3236 .................. EASTERN CHINA SEA, Senkaku Shotô North-westwards: Data collection buoy ................................................................................................................... 50, 53
1353(T)/6  4128 ....................... CHINA, South Coast, Xiaodong Harbour and Yantian Harbour: Works ............ 50
1405(P)/6  1760, 1793, 1799, 1962 .... CHINA, South Coast, Approaches to Shantou and Chaotou Gang: Depths; Bridge; Pilot boarding places; Rock ..................................................................................... 50
1407(T)/6  2103, 3879, 3967 . GULF OF THAILAND, Cambodia, Approaches to Kampong Saom, Kas Tang North-eastwards: Platform ................................................................. 47
1459(T)/6  4118 ....................... CHINA, South Coast, Hong Kong, Hung Hom Fairway: Works ....................... 50
1523(T)/6  3990, 3992, 3999 ............ CHINA, South Coast, Gulf of Tonkin, Qinzhou Wan SW: Buoy .................... 47
1873(T)/6  2410, 2411 .................. CHINA, East Coast, Min Jiang, Jinpai Men: Virtual aid to navigation ............ 50
1874(P)/6  8155 ....................... CHINA, Bo Hai, Port Approach Guide Approaches to Bayuquan and Xianrendao: Obstructions .................................................................................................................. 52
1983(T)/6  1201, 1253, 8167 . CHINA, Yellow Sea Coast, Guanhe Kou SE: Works ........................................ 52
2148(T)/6  986, 1046, 3965, 8083 . THAILAND, Gulf of Thailand Coast, Laem Chabang Port W: Buoy; Wreck .. 47
2248(P)/6  66, 2414, 2426, 3482, 3961, 3985 . GULF OF THAILAND, Songkhla to Muda Field E: Submarine cable .......... 47
2284(T)/6  1256, 3480 .................. CHINA, Yellow Sea Coast, Chenshan Jiao SE: Buoy ............................................ 52
2288(P)/6  344 ....................... CHINA, South Coast, Dahu Shan SW: Buoyage ............................................... 47
2419(T)/6  341, 3026 .................. CHINA, South Coast, Qingzhou Shuidao: Buoy; Virtual aid to navigation 47, 50
2420(T)/6  1206, 1317 .................. CHINA, Yellow Sea Coast, Yantai Gang Xigangwu: Works ....................... 52
2481(P)/6  2426 ....................... GULF OF THAILAND, Cakerawala Field E: Offshore installations; Submarine pipelines ......................................................................................................................... 47
2510(T)/6  1304, 1305 .................. CHINA, East Coast, Zhoushan Qundao, Xiushan Dao N: Works .................. 50
2513(T)/6  1304 ....................... CHINA, East Coast, Zhoushan Qundao, Zoushan Dao W: Works .................. 50
2520(T)/6  1305, 1306 .................. CHINA, East Coast, Zhoushan Qundao, Qushan Dao E: Works .................... 50
2696(P)/6  8124 ....................... CHINA, East Coast, Port Approach Guide Chang Jiang - Baoshan, Taicang and Changshu Port: Note ....................................................................................................................... 50
2704(T)/6  2410 ....................... CHINA, East Coast, Min Jiang: Works .......................................................... 50
IA

14. CHINA SEA WITH ITS WEST SHORE AND CHINA - continued

2729(P)/16 347 ................. CHINA, South Coast, Nizhou to Huangpu Dao: Port developments; Floating docks; Depths; Bridge; Anchor berths; Overhead cables ................................. 47

2737(P)/16 8167 ................... CHINA, Yellow Sea Coast, Port Approach Guide Approaches to Rizhao, 52
Lanshan and Liuyangyang: Wreck......................................................... 52

2748(P)/16 806 ...................... CHINA, Yellow Sea Coast, Shijiuxianggang: Depths .......................... 52

2801(P)/16 8168 ...................... CHINA, Yellow Sea Coast, Port Approach Guide Rizhao: Note .......................... 52

2824(T)/16 3483, 3488 ........... SOUTH CHINA SEA, Tizard Bank, Gaven Reefs S: Platform............. 47,48

2875(T)/16 3892, 3990 ........... CHINA, South Coast, Tieshan Gang: Buoy; Radar beacon ............... 47

2888(T)/16 1253, 1281 ........... CHINA, East Coast, Sheyanghe Kou: Works ................................. 52

2932(T)/16 342, 343, 348 ....... CHINA, South Coast, Zhujiang Kou: Works ........................................ 47

3084(T)/16 1143 .................... CHINA, East Coast, Qiantangjiang Kou: Virtual aid to navigation .... 50

3086(T)/16 1144, 1303, 1306, 8215 ................................................................. 50

3206(T)/16 3883, 3987 ........... VIETNAM, Baie De Padaran: Buoyage ........................................ 47

3269(T)/16 1565 ..................... CHINA, South Coast, Daxi Shuidao: Virtual aid to navigation .... 47

3343(P)/16 3482 ..................... SOUTH CHINA SEA, Hai Thach-Moc Tinh Oilfield: Platform ........ 47

3344(P)/16 2653 ..................... CHINA, Bo Hai, Tianjin Gang SE: Works; Breakwater .................. 52

3357(T)/16 3359 ..................... CHINA, South Coast, Shuidong Gangqu: Buoyage .......................... 47

3362(P)/16 66, 2414, 2426 ....... THAILAND, Gulf of Thailand Coast, Songkla Oilfield NE: Platform; Buoy; 47
Moored storage tankers................................................................. 47

3450(T)/16 4118 ..................... CHINA, South Coast, Hong Kong: Works ....................................... 50

3497(T)/16 2376, 3230 ........... TAIWAN, Kao-Hsiung Kang: Buoyage ......................................... 50

3556(T)/16 2376, 3230, 3232 TAIWAN, Kao-Hsiung: Works; Buoyage ....................................... 50

3564(T)/16 1763 ..................... CHINA, East Coast, Wenzhou Gang, Nan Shuidao: Works .......... 50

3658(P)/16 1036, 1039, 1059, 1100 ................. VIETNAM, South Coast, Approaches to Ho Chi Minh City, Song Thi Vai and 47
Vung Tau: Depths; Pilot boarding places; Port developments; Anchor berths; 47
Submarine cables; Submarine pipelines; Anchorage areas; Recommended 50
tracks; Fairways; Precautionary area; Floating dock; Light; Obstruction ...... 50

3730(P)/16 8144 ..................... CHINA, Bo Hai, Port Approach Guide Tianjin Gang: Pilot boarding places ... 52

3731(P)/16 8141, 8143, 8144 CHINA, Bo Hai, Port Approach Guide Tianjin Gang: Pilot boarding places ... 52

3798(T)/16 4118, 4119, 4121, 4122, 4129 4122, 4129 ............... CHINA, South Coast, Hong Kong, Southern Fairway: Dredging area; Buoy; 47,50
Fairway........................................................................................................ 50

3866(T)/16 1736 ..................... CHINA, East Coast, Meizhou Wan E: Works ..................................... 50

3891(P)/16 8153 ..................... CHINA, Yellow Sea Coast, Port Approach Guide Approaches to Qingdao: 52
Note .............................................................................................................. 52

3897(T)/16 1555, 3488, 3892 CHINA, South Coast, Qizhou Liedao NW: Buoy ............................... 47

3942(T)/16 2376, 3230, 3232, 4410, 8053 TAIWAN, Kao-Hsiung Kang: Buoy; Radar beacon .... 48,50

3949(T)/16 1134 ..................... CHINA, East Coast, Maji Shan W: Works ..................................... 50

3951(T)/16 1761, 3658 ........... TAIWAN, North Coast, Pai-sha Chia NW: Buoy ............................... 50

3982(T)/16 1965, 3990 .......... VIETNAM, Gulf of Tonkin, Xuy Nong Cho SW: Buoyage ............ 47

4014(T)/16 1249, 1250, 1255, 1256 ............................................................. CHINA, Bo Hai, Liaodong Wan: Buoy; Wreck ......................................... 52

4016(T)/16 3449, 3452, 3453 CHINA, East Coast, Xianmen Shi, Luijiang Shuidao: Works .................. 50

4037(T)/16 1155 ..................... CHINA, East Coast, Dong Hai, Maoyan Dao SE: Works .................. 50

4092(T)/16 1557, 8144 .......... CHINA, South Coast, Zhuhai Gang Gaolan Gangqu: Buoyage .......... 47

4203(P)/16 1282 ..................... CHINA, Bo Hai, Bayuquan: Depths; Obstruction; Reclamation area; Works ................................. 52

4225(P)/16 8141 ..................... CHINA, Bo Hai, Port Approach Guide Bohai Wan: Restricted areas .... 52

4234(T)/16 1201 ..................... CHINA, Yellow Sea Coast, Liuyanggang Gang: Works .................. 52

4238(T)/16 1249, 1250 ........... CHINA, Bo Hai, Jingtang SW: Works ............................................ 52

4317(T)/16 2376, 2409, 3230, 3232 TAIWAN, Kao-Hsiung Kang: Buoy ................................. 50

4374(P)/16 2410, 2411 ........... CHINA, East Coast, Min Jiang: Depths; Coastline ............................ 50

4444(T)/16 1126, 1130, 1304 CHINA, East Coast, Ao Shan SE: Works ....................................... 50

4494(T)/16 1968, 3489 .......... TAIWAN STRAIT, Taiwan Banks S: Buoy ................................. 48,50

4588(T)/16 1761, 2412, 3235, 3236, 3489, 4509 TAIWAN, East Coast, Su-ao Kang SE: Submarine cable .... 48,50,53, 57

4630(T)/16 2103 ..................... GULF OF THAILAND, Cambodia, Sihanoukville: Buoy .............. 47
IA

14. CHINA SEA WITH ITS WEST SHORE AND CHINA - continued

4717(P)/16 8170 ...................... CHINA, Yellow Sea Coast, Port Approach Guide Lianyungang Eastern Part: Buoy; Virtual aid to navigation .................................................................

4836(T)/16 1126, 1304, 1592, 8217, 8218 ........... CHINA, East Coast, Beilun Gangqu: Works .................................................................

4888(P)/16 2662, 2665, 8144 ...................... CHINA, Bo Hai, Tianjin Gang: Depths; Coastline ........................................

4948(P)/16 8170 ...................... CHINA, Yellow Sea Coast, Port Approach Guide Lianyungang Eastern Part: Buoyage .........................................................

4995(T)/16 1250, 8141, 8145 ...................... CHINA, Bo Hai, Huanghua Gang: Buoyage; Beacon ........................................

5005(P)/16 2413 ...................... CHINA, East Coast, Songxia Gang: Buoyage; Depths; Automatic Identification System; Rock; Virtual aid to navigation; Wreck ....

5010(P)/16 345 ...................... CHINA, South Coast, Huizhou Gang: Depths; Pilot boarding places; Coastline

15. JAPAN

3630(T)/06 JP 1061, JP 1065 ... JAPAN, Honshu, Tokyo Wan, Keihin Ko, Tokyo Ku, Section No 4, Tokyo-toyko Signal Station Southeastwards: Obstruction ........................................

5081(T)/06 JP 1087 ...................... JAPAN, Honshu, South Coast, Chiba Ko, Shiizu Passage: Depths ................................

5763(T)/06 JP 1088 ...................... JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Katsunam Ku: Depths ...

2962(T)/07 JP 1087 ...................... JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Chiba Ku, Section 4: Depths ............................................................

3842(T)/07 JP 1061 ...................... JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Keiyo Sea-Berth Northwards: Obstruction 

3852(T)/07 JP 87 ...................... JAPAN, Honshu, East Coast, Katsura Ko: Depths ................................

4621(T)/07 JP 91 .......................... JAPAN, Honshu, South Coast, Tokyo Wan, Yokosuka Ko, Section 7: Pile ....

1304(T)/08 JP 94, JP 95 ...................... JAPAN, Honshu, South Coast, Ise Wan, Yokkaichi Ko: Obstruction ....

3658(T)/08 JP 149 ...................... JAPAN, Honshu, North West Coast, Koyama Misaki Northwards: Depth ........

3662(T)/08 JP 1137 ...................... JAPAN, Seto Naikai, Fukuyama Ko, Kurinoki Northwards: Depths 

3663(T)/08 JP 1137 ...................... JAPAN, Seto Naikai, Fukuyama Ko, Okiura Quay Southwards: Depths 

4117(T)/08 JP 89 ...................... JAPAN, Honshu, South Coast, Suruga Wan, Shimizu Ko, Section 3: Depths...

4118(T)/08 JP 89 ...................... JAPAN, Honshu, South Coast, Suruga Wan, Shimizu Ko, Section 3: Obstruction ...........................................................

4519(T)/08 JP 1088 ...................... JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Katsunam Ku: Depths ...

5079(T)/08 JP 149 ...................... JAPAN, Honshu, North West Coast, Approaches to Koyama Misaki: Depths ...

6156(T)/08 JP 1086 ...................... JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Chiba Ku, Section 2: Depths 

141(T)/09 JP 149 ...................... JAPAN, Honshu, North West Coast, Approaches to Susa Ko: Depths ...........................................................................

1007(T)/09 JP 89 ...................... JAPAN, Honshu, South Coast, Suruga Wan, Shimizu Ko, Section 3: Depths ...

2050(T)/09 JP 90 ...................... JAPAN, Honshu, South Coast, Sagami Wan, Zushi Wan: Depth ........

2051(T)/09 JP 80 ...................... JAPAN, Honshu, South Coast, Iro Saki North-eastwards: Depth 

2667(T)/09 JP 90, JP 1062 ...................... JAPAN, Honshu, South Coast, Tokyo Wan, Kaneda Wan: Depths 

2671(T)/09 JP 137A ...................... JAPAN, Seto Naikai, Takamatsu Wan: Depth ................................

2918(T)/09 JP 1227 ...................... JAPAN, Kyushu, North Coast, Hakata Ko, Section 1, Susaki Wharf Northwards: Depths ........................................

3042(T)/09 JP 1065 ...................... JAPAN, Honshu, South Coast, Tokyo Wan, Keihin Ko, Tokyo Ku, Section 3: Depths ........................................

3043(T)/09 JP 90 ...................... JAPAN, Honshu, South Coast, Sagami Wan, Shonan Ko Eastwards: Depth 

3778(T)/09 JP 1065 ...................... JAPAN, Honshu, South Coast, Toyko Wan, Keihin Ko, Tokyo Ku, Section 3: Depths 

3781(T)/09 2024, JP 226 ...................... JAPAN, Nansei Shotō, Okinawa Gunto, Iheya Shima, Dana Misaki: Depth; Rock 

3889(T)/09 JP 149 ...................... JAPAN, Honshu, North West Coast, Uomachi-no-Hana Westwards: Depth 

4060(T)/09 JP 107 ...................... JAPAN, Seto Naikai, Higashi-Harima Ko, Befu Public Wharf: Obstruction 

4209(T)/09 JP 226 ...................... JAPAN, Nansei Shotō, Okinawa Gunto, Iheya Shima: Depths 

IA.23
15. JAPAN - continued

JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Chiba Ku, Section 1: Obstructions

JAPAN, Kyushu, North Coast, Tsushima, Tsutsu Saki Southwards: Depths

JAPAN, Honshu, South Coast, Tokyo Wan, Kisarazu Ko, Kisarazu Ko Breakwater Northwards: Depths

JAPAN, Kyushu, West Coast, Koshikijima Retto, Kami-Koshiki Shima, No Shima and Nishi-no-Ura: Depths

JAPAN, Kyushu, West Coast, Koshikijima Retto, Futago Shima: Depths

JAPAN, Honshu, South Coast, Suruga Wan, Shimizu Ko, Section 2, Hinode Wharf: Depths

JAPAN, Honshu, East Coast, Kashima Nada, Kashima Ko North-wards: Depths

JAPAN, Seto Naikai, Iyo Nada, Kunisaki Ko: Depths

JAPAN, Honshu, North West Coast, Kawashiri Misaki Eastwards: Depths

JAPAN, Seto Naikai, Iyo Nada, Kunisaki Ko South-eastwards, Hogo Se: Depths

JAPAN, Honshu, North West Coast, Saba Shima Westwards and Hime Shima

JAPAN, Kyushu, North Coast, Suruga Wan, Shimizu Ko, Shin-Okitsu Wharf

JAPAN, Honshu, North West Coast, Uta Shima North-westwards, Futashima

JAPAN, Seto Naikai, Bisan Seto North Traffic Route: Depths

JAPAN, Nansei Shoto, Okinawa Gunto, Izena Shima, Ate-no-Ishi: Depth

JAPAN, Honshu, North West Coast, Amakusa Nada, Oto Kanai, Oto Noi Terminal Eastwards: Depths

JAPAN, Nansei Shoto, Okinawa Gunto, Izena Shima, Ate-no-Ishi: Depth

JAPAN, Seto Naikai, Iyo Nada, Kunisaki Ko South-eastwards, Hogo Se: Depths

JAPAN, Honshu, North West Coast, Uta Shima North-westwards, Futashima

JAPAN, Seto Naikai, Bisan Seto East Traffic Route: Depths

JAPAN, Seto Naikai, Kunisaki Ko South-eastwards: Depths

JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Katsunan Ku, Koya-Shin Eastwards: Depths

JAPAN, Seto Naikai, Bisan Seto North Traffic Route: Depths

JAPAN, Seto Naikai, Kitsuki Wan, Gongen Hana South-eastwards: Depths

JAPAN, Seto Naikai, Bisan Seto East Traffic Route: Depths

JAPAN, Seto Naikai, Kunisaki Ko Eastwards: Depth

JAPAN, Seto Naikai, Ube Ko, Motoyama Misaki South-westwards: Obstruction
15. JAPAN - continued

1145(T)/11 JP 1109................. JAPAN, Seto Naikai, Hiroshima Wan, Kure Ko, Niko Kawa: Depths ................. 54
1175(T)/11 JP 127, JP 129, JP 1101..................... JAPAN, Seto Naikai, Suo Nada, Kanda Ko: Depths.............................................. 54
1176(T)/11 JP 129..................... JAPAN, Seto Naikai, Suo Nada, Kanda Ko: Restricted area........................................... 54
1866(T)/11 JP 104, JP 132........... JAPAN, Seto Naikai, Kurushima Kaikyo Traffic Route, Osumi Hana East-north-eastwards: Depth ................................................................. 54
1939(T)/11 JP 1088................... JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Katsunak Ko: Depths ............... 53
2285(T)/11 JP 90....................... JAPAN, Honshu, South Coast, Sagami Wan, Shonan Ko Southwards and Eastwards: Depths ................................................................................................................ 53
2287(T)/11 JP 1127B.................. JAPAN, Seto Naikai, Mizushima Ko, Tamashima Harbour Island Eastwards and South-eastwards and Takahashi Kawa: Depths ................................................................. 54
2860(T)/11 JP 149..................... JAPAN, Honshu, Northwest Coast, Tsuno Shima North-westwards: Depths ....... 55
3121(T)/11 JP 1097................... JAPAN, Honshu, East Coast, Kashima Ko: Obstruction ......................................................... 55
3248(T)/11 JP 1155B................... JAPAN, Honshu, North West Coast, Niigata Ko, Ajirohama Northwards: Depths: Obstructions ....................................................................................................................... 55
3253(T)/11 JP 198, JP 1228........... JAPAN, Kyushu, North Coast, Approaches to Imari Wan: Depths ..................... 53
3765(T)/11 JP 137B, JP 153, JP 1121..................... JAPAN, Seto Naikai, Bisan Seto, Approaches to Sakaide Ko, Ko-Sei Shima South-westwards: Depths .................................................................................................................. 54
3830(T)/11 JP 90, JP 1061, JP 1087.................. JAPAN, Honshu, South Coast, Tokyo Wan, Chiba Ko, Chiba Mu, Section 4: Obstruction.............................................................................................................................. 53
3832(T)/11 JP 90, JP 1061, JP 1062.................. JAPAN, Honshu, South Coast, Tokyo Wan, Yokohama Ku Eastwards: Obstruction . ................................................................................................................................. 53
4053(T)/11 JP 149..................... JAPAN, Honshu, North West Coast, Approaches to Mi Shima: Depths ............... 55
4203(T)/11 JP 1107..................... JAPAN, Seto Naikai, Hanshin Ko, Amagasaki-Nishinomiya-Ashiya Ku, Asanagi: Depth .............................................................................................................................. 54
4930(T)/11 JP 131..................... JAPAN, Seto Naikai, Akashi Kaikyo North-westwards, Eigashima Ko Southwards: Wreck ............................................................................................................................................... 54
4931(T)/11 JP 106, JP 131........... JAPAN, Seto Naikai, Akashi Kaikyo South-westwards, Harima Nada: Wreck ...... 54
5052(T)/11 JP 129..................... JAPAN, Seto Naikai, Kanda Ko: Depth ................................................................................. 54
5147(T)/11 JP 90, JP 1061, JP 1062.................. JAPAN, Honshu, South Coast, Tokyo Wan, Kisarazu North-westwards: Depths ........................................................................................................................................... 53
5526(T)/11 JP 127..................... JAPAN, Seto Naikai, Kamnon Ko, Chofu Ku, Kanju Shima Eastwards: Depths ...... 54
5883(T)/11 JP 137A..................... JAPAN, Seto Naikai, Shodo Shima, Uchinomi Wan, Ji-no-Hanage: Depth .......... 54
59(T)/12 JP 149....................... JAPAN, Honshu, Northwest Coast, Mi Shima: Depths ......................................................................... 55
1098(T)/12 JP 1155B................... JAPAN, Honshu, North West Coast, Niigat Ko, Entrance to Higashi Ku: Depths .................................................................................................................................................. 55
1861(T)/12 JP 137B, JP 153, JP 1121..................... JAPAN, Seto Naikai, Bisan Seto North Traffic Route and Approaches to Ushi Shima: Depths; Drying patch ................................................................................................................. 54
1968(T)/12 JP 1097................... JAPAN, Honshu, East Coast, Approaches to Hitachinaka Ko: Obstructions .... 55
2143(T)/12 JP 1106..................... JAPAN, Seto Naikai, Tokuyama-Kudamatsu Ko, Tokuyama, Section 1: Drying patch ...................................................................................................................................................... 54
15. JAPAN - continued

2237(T)/12 JP 70................. JAPAN, Honshū, South Coast, Enshū Nada, Iwata Southwards: Depths...... 53
2569(T)/12 JP 149.............. JAPAN, Honshū, North West Coast, Mi Shima: Depths.......................... 55
2573(T)/12 JP 89.............. JAPAN, Honshū, South Coast, Shimizu Ko, Outer Harbour Breakwater Southwards: Wreck ................................................................. 53
2985(T)/12 JP 1107......... JAPAN, Seto Naikai, Hanshin Ko, Amagasaki-Nishinomiya-Ashiya Ku, Section 2, Narau Kawa: Depths......................................................... 54
3855(T)/12 JP 149.............. JAPAN, Honshū, North West Coast, Tsuno Shima Northwards: Depths...... 55
3857(T)/12 JP 132.............. JAPAN, Seto Naikai, Kurushima Kaikyo, Naka Suido, Nakato Shima Eastwards: Depth .................................................................................. 54
4973(T)/12 JP 1108......... JAPAN, Seto Naikai, Hiroshima Wan, Nasabi Seto Southwards: Depths...... 54
4974(T)/12 JP 1108......... JAPAN, Seto Naikai, Hiroshima Wan, Atata Shima Westwards: Depth........ 54
5066(T)/12 JP 1107......... JAPAN, Seto Naikai, Hanshin Ko, Amagasaki-Nishinomiya-Ashiya, Ogimachi Pier: Depths ............................................................. 54
5197(T)/12 JP 1056......... JAPAN, Honshū, Chita Wan, Minatomachi Southwards: Depths............................ 53
5200(T)/12 JP 1220, JP 1221... JAPAN, Kyūshū, South East Coast, Uchiumi Ko North-eastwards: Depths..... 53
5402(T)/12 JP 1081......... JAPAN, Honshū, South Coast, Tokyo Wan, Yokosuka Ko, Section 3 to Section 5: Depths; Obstructions................................................................. 53
5697(T)/12 JP 151, JP 1102..... JAPAN, Seto Naikai, Bungo Suido, Hayasui Seto, Taka Shima Southwards: Depths .... 53, 54
58(T)/13 JP 87................. JAPAN, Honshū, Katsuura Ko Eastwards, Mashio Ne: Depths.............................. 53
926(T)/13 JP 151.............. JAPAN, Kyūshū, East Coast, Bungo Suido, Usuki Wan, Ji-Muku Shima Southwards: Depth................................................................. 53
981(T)/13 JP 54, JP 1098..... JAPAN, Honshū, East Coast, Ishinomaki Wan, Sendai-Shiogama Ko: Obstruction.... 55
1029(T)/13 JP 187.............. JAPAN, Kyūshū, West Coast, Goto Retto, Shiro Se: Depth............................ 53
1268(T)/13 JP 1108......... JAPAN, Seto Naikai, Hiroshima Wan, Ono Seto and Kuroshima Seto: Depths...... 54
1909(T)/13 JP 137A......... JAPAN, Seto Naikai, Bisan Seto, Tsuda Wan Northwards, Tora-ga-Hana North-westwards: Rock.............................................................................. 54
2230(T)/13 JP 141.............. JAPAN, Seto Naikai, Osaki-Kami Shima, Onishi Ko Eastwards, Gongen Hana Northwards: Rock ........................................................................ 54
2231(T)/13 JP 1108......... JAPAN, Seto Naikai, Hiroshima Ko, Kirikushi Wan: Obstruction......................... 54
2356(T)/13 JP 1108......... JAPAN, Seto Naikai, Hiroshima Wan, Hiroshima Ko Southwards, Jigoku Hana South-westwards: Obstruction......................................................... 54
2366(T)/13 JP 1108......... JAPAN, Seto Naikai, Hiroshima Wan, Miyajima Seto, E-no-Shima Southwards: Depth.................................................................................. 54
2368(T)/13 JP 198.............. JAPAN, Kyūshū, West Coast, Goto Retto, Uku Shima Northwards and North-eastwards: Depths........................................................................... 53
2434(T)/13 JP 65.............. JAPAN, Honshū, East Coast, Hachinohe Ko, Section 3, Middle Breakwater Southwards: Obstruction................................................................. 55
2566(T)/13 JP 67.............. JAPAN, Honshū, South Coast, Tokyo Wan, Keihin Ko, Kawasaki Ku, Section 1, Daishi Unga: Depths ........................................................................... 53
2568(T)/13 JP 91, JP 1062.... JAPAN, Honshū, South Coast, Tokyo Wan, Yokosuka Ko, Section 3 and Section 5: Depths ..................................................................................... 53
2574(T)/13 JP 1108......... JAPAN, Seto Naikai, Hiroshima Wan, Hiroshima Ko, Hijiri Saki North-eastwards: Obstruction................................................................. 54
2692(T)/13 JP 151, JP 1102... JAPAN, Shikoku, West Coast, Bungo Suido, Uwajima Wan: Depths............ 53, 54
2831(T)/13 JP 151.............. JAPAN, Shikoku, Bungo Suido, Uwajima Wan: Depths................................. 53
2832(T)/13 JP 151.............. JAPAN, Kyūshū, Bungo Suido, Hoto Shima Eastwards, Kita-no-se: Depths... 53
3042(T)/13 JP 1267......... JAPAN, Kyūshū, North Coast, Hibiki-Shinko Ku, Hibiki Hakuchi Eastwards: Depths ................................................................. 54
3139(T)/13 JP 1108......... JAPAN, Seto Naikai, Hiroshima Wan, Kannon Saki Southwards: Obstruction 54
15. JAPAN - continued

3835(T)/13 JP 198 .............. 4132(T)/13 JP 198 ....................
4133(T)/13 JP 198 ................ 4134(T)/13 JP 1222 .............
4212(T)/13 JP 1062 ............ 4212(T)/13 JP 1062 ............
4713(T)/13 JP 1109 ............ 4810(T)/13 JP 1108 ............
4914(T)/13 JP 1146 ............ 5199(T)/13 JP 137A, JP 153 ....
196(T)/14 996, 1648, JP 77, JP 150C ........
625(T)/14 JP 91, JP 1062, JP 1081 .... 830(T)/14 JP 1155B ....
1108(T)/14 JP 1062 ............ 1322(T)/14 JP 126 .............
1534(T)/14 JP 165 ............. 1616(T)/14 JP 90, JP 1062 ....
1716(T)/14 JP 91 .............. 2006(T)/14 JP 123, JP 1107 ....
2007(T)/14 JP 1107 ............ 2112(T)/14 JP 1155B .......
2423(T)/14 JP 1108 ............ 2751(T)/14 JP 179 ...........
2837(T)/14 JP 1155B ....... 2858(T)/14 JP 67 ..............
2914(T)/14 JP 1155B .......... 2915(T)/14 JP 1109 ..........
2916(T)/14 JP 1101, JP 1102, JP 1108 .... 2917(T)/14 JP 1086 ........
2918(T)/14 JP 1067, JP 1081 .... 3176(T)/14 JP 94 ..............
3289(T)/14 4510 ............... 3581(T)/14 JP 153 ..........
3656(T)/14 JP 5 ............... 3693(T)/14 JP 1169 ..........
15. JAPAN - continued

3694(T)/14 JP 70, JP 1052, JP 1053.................. JAPAN, Honshū, South Coast, Ise Wan, Toshi Shima W: Depth ....................... 53
3777(T)/14 JP 70, JP 1053........ JAPAN, Honshū, South Coast, Ise Wan, Momotori Suido N: Depths .................. 53
3866(T)/14 JP 123, JP 1107...... JAPAN, Seto Naikai, Hanshin Ko, Osaka Ku, Section 6: Depth .......................... 54
4080(T)/14 JP 123................ JAPAN, Seto Naikai, Hanshin Ko, Osaka Ku, Section 3, No 8 Quay S: Depths 54
4183(T)/14 JP 1102........ JAPAN, Seto Naikai, Bungo Suido, O Shima N and NE: Depths ....................... 54
4291(T)/14 JP 148............. JAPAN, Honshū, North West Coast, Akita, Akita Ku, Section 2, New North Breakwater E: Depths .......................................................... 55
4294(T)/14 JP 148............. JAPAN, Honshū, North West Coast, Akita, Akita Ku, Section 2, No 2 South Breakwater N: Depths .......................................................... 55
4313(T)/14 JP 137B, JP 1121.. JAPAN, Seto Naikai, Sakai Ko, Section 2 and Ko-Sei Shima E: Depths ....... 54
4685(T)/14 JP 149............. JAPAN, Honshū, North West Coast, Mi Shima NW: Depths ....................... 55
4687(T)/14 JP 90................ JAPAN, Honshū, South Coast, Tokyo Wan, Tateshina Wan: Depths ............ 53
4804(T)/14 JP 1108 ........... JAPAN, Seto Naikai, Hiroshima Wan, Kurahashi Shima S, Ka Shima NW: Depth .......................................................... 54
4805(T)/14 JP 151............... JAPAN, Kyūshū, Bungo Suido, Saiki Wan, O Shima NE: Depth .................... 53
4806(T)/14 JP 1220, JP 1221.. JAPAN, Kyūshū, East Coast, Hyuga Nada, Uchiumi Ku, Tosaki Hana E: Depth 53
4961(T)/14 JP 148............. JAPAN, Honshū, North West Coast, Akita-Funagawa Ko, Akita Ku, Section 1: Depths ................................................................................................. 55
4963(T)/14 JP 70, JP 1051, JP 1053........ JAPAN, Honshū, South Coast, Ise Wan, Inagawa Suido NW, Tainoshima Sho: Depths .......................................................... 53
5094(T)/14 JP 127, JP 129, JP 1101........... JAPAN, Seto Naikai, Suo Nada, Kanda Ko, Kitakyushu Airport S: Depths .......................................................... 54
5095(T)/14 JP 64A.......... JAPAN, Honshū, East Coast, Sendai-Shiogama Ko, Shiogama Ku, Section 2, Center Wharf N: Depths .......................................................... 55
5096(T)/14 JP 1056........ JAPAN, Honshū, South Coast, Mikawa Wan, Kinuura Ko, 13 Go Chi SE: Depths .......................................................... 53
5207(T)/14 JP 1097, JP 1098.. JAPAN, Honshū, East Coast, Shiroya Saki SW, Ena Ko: Lights .......................... 55
5209(T)/14 JP 1051, JP 1053..... JAPAN, Honshū, South Coast, Ise Wan, Enshu Nada, Ijika Shima NE: Depth 53
5210(T)/14 JP 151............ JAPAN, Kyūshū, Bungo Suido, Saiki Wan, O Shima NE: Depth .................. 53
5470(T)/14 JP 1051, JP 1053..... JAPAN, Honshū, South Coast, Ise Wan, Yoroi Saki N, Hansu Hana E: Depths 53
5724(T)/14 JP 65.............. JAPAN, Honshū, East Coast, Hachinohe Ko, Section 3: Depths ............... 55
5725(T)/14 JP 90............. JAPAN, Honshū, South Coast, Tokyo Wan, Sagami Wan, Inamuraga-Saki S: Depths .......................................................... 53
5727(T)/14 JP 1051, JP 1053..... JAPAN, Honshū, South Coast, Rokuro Saki NE and SE: Depths ............ 53
31(T)/15 JP 79................ JAPAN, Honshū, East Coast, Ishinomaki Wan, Oshika Hanto, Ayukawa Ko: Obstruction .......................................................... 55
32(T)/15 JP 1098............ JAPAN, Honshū, East Coast, Sendai Wan SW, Soma Ko: Obstruction ............ 55
33(T)/15 JP 150C............. JAPAN, Seto Naikai, Kii Suido, Tokushima NE, Yoshino Kawa: Depths ........ 54
604(T)/15 JP 214B.......... JAPAN, Kyūshū, South Coast, Kagoshima Wan, Kagoshima Ko, Taniyama Ku, No 2 Jetty E: Depth .......................................................... 53
968(T)/15 JP 80.......................... JAPAN, Honshū, South Coast, Sagami Nada, Ito Ko, Teishi Shima NE: Depth 53
1344(T)/15 JP 94.......................... JAPAN, Honshū, South Coast, Ise Wan, Yokkaichi Ko, Section 3: Depths 53
1444(T)/15 JP 151, JP 1102........ JAPAN, Seto Naikai, Bungo Suido, Okuchi Wan, Ji-O Shima NE and Takashima N and Mikame Ko NE: Depths .......................................................... 53
1698(T)/15 JP 1155A........ JAPAN, Honshū, Northwest Coast, Niigata Ko, Nishi Ku, Shinano Kawa: Depths ................................................................................................. 55
1824(T)/15 JP 1061, JP 1065..... JAPAN, Honshū, Tokyo Wan: Depths .......................................................... 53
2080(T)/15 JP 66............. JAPAN, Honshū, Keihin Ko, Yokohama Ku: Obstruction .......................................................... 53
15. JAPAN - continued

2083(T)/15 JP 1220
2229(T)/15 JP 65
2375(T)/15 JP 1162A
2378(T)/15 JP 67
2493(T)/15 JP 90
2627(T)/15 JP 123, JP 1107
2866(T)/15 JP 1172
3163(T)/15 JP 108
3164(T)/15 JP 1141
3165(T)/15 JP 1110
3298(T)/15 JP 54
3299(T)/15 JP 1049
3427(T)/15 JP 91, JP 1081
3550(T)/15 JP 1107
3552(T)/15 JP 179, JP 187, JP 1228
3553(T)/15 JP 179, JP 198
3684(T)/15 JP 1051
3685(T)/15 JP 1053
3806(T)/15 JP 70, JP 93, JP 1051
3928(T)/15 JP 95
3929(T)/15 JP 1051, JP 1053
3930(T)/15 JP 1051, JP 1053
4168(T)/15 JP 151
4226(T)/15 JP 148, JP 1192
4287(T)/15 JP 64A
4406(T)/15 JP 1062, JP 1067, JP 1081
4408(T)/15 JP 1088
4410(T)/15 JP 214B
4412(T)/15 JP 106, JP 150C
4413(T)/15 JP 1109
4554(T)/15 JP 1163
4651(T)/15 JP 145, JP 1180
4808(T)/15 JP 79
4916(T)/15 JP 1162B
4918(T)/15 JP 1155A
4924(T)/15 JP 1112A
5030(T)/15 JP 64A
5274(T)/15 JP 1056
5379(T)/15 JP 31
5385(T)/15 JP 1263
5495(T)/15 JP 67
5496(T)/15 JP 77, JP 150C
5630(T)/15 JP 1155A

JAPAN, Seto Naikai, Bisan Seto: Wreck ......................................................... 54
JAPAN, Kyūshū, Miyazaki Ko and Approaches: Depths.................................... 53
JAPAN, Honshū, Hachinohe Ko: Depths.......................................................... 55
JAPAN, Honshū, Fushiki -Toyama Ko, Kokubu Ku: Depth ............................. 55
JAPAN, Honshū, Keiin Ko, Kawasaki: Depths............................................... 53
JAPAN, Honshū, Tokyo Wan: Depth............................................................... 53
JAPAN, Seto Naikai, Bisan Seto: Depth.......................................................... 54
JAPAN, Seto Naikai, Hanshin Ko: Depths..................................................... 54
JAPAN, Honshū, Tottori Ko: Depths.............................................................. 55
JAPAN, Shikoku, Usa Ko: Depth .................................................................... 53
JAPAN, Seto Naikai, Hannan Ko: Depths....................................................... 54
JAPAN, Honshū, Miyaoko Wan: Depth........................................................... 55
JAPAN, Honshū, Kashima Ko: Depths............................................................ 53
JAPAN, Honshū, Yokosuka Ko: Depths........................................................... 53
JAPAN, Seto Naikai, Hanshin Ko: Depths....................................................... 54
JAPAN, Kyūshū, North Coast, Kabe Shima: Obstruction................................. 53
JAPAN, Honshū, Ise Wan: Depths................................................................. 53
JAPAN, Honshū, Anori Saki E: Depths.......................................................... 53
JAPAN, Honshū, Ise Wan: Depths................................................................. 53
JAPAN, Honshū, Nagoya Ko: Depths.............................................................. 53
JAPAN, Honshū, Yoroi Saki SW: Depths....................................................... 53
JAPAN, Honshū, Anori Saki S: Depths........................................................... 53
JAPAN, Shikoku, Bungo Suido, Kojura N and W: Depths............................... 53
JAPAN, Honshū, North West Coast, Akita Wan, Section 2: Depths ................. 55
JAPAN, Honshū, Sendai-Shiogama Ko: Depth .............................................. 55
JAPAN, Honshū, Kisarazu Ku: Depths.......................................................... 53
JAPAN, Honshū, Chiba Ko: Depths; Drying patches....................................... 53
JAPAN, Kyūshū, Kagoshima Ko: Obstruction................................................ 53
JAPAN, Seto Naikai, Wakayama-Shimotsu Ko: Light-beacon......................... 54
JAPAN, Seto Naikai, Yoshiura Wan: Depths................................................. 54
JAPAN, Honshū, Miyazaki Hana N: Depth..................................................... 55
JAPAN, Honshū, Niigata Ko: Depth............................................................... 55
JAPAN, Honshū, Ishinomaki Wan, Ayukawa Ko: Depths; Wrecks; Obstruction 55
JAPAN, Honshū, Shiminato Ku: Works.......................................................... 55
JAPAN, Honshū, Niigata Ko, Nishi Ku: Depth............................................... 55
JAPAN, Seto Naikai, Hiroshima Ko, Tatsuga Hana N: Depths........................ 54
JAPAN, Honshū, Approaches to Shiogama: Obstruction.................................. 55
JAPAN, Honshū, Kinuri Ku: Depths............................................................... 53
JAPAN, Hokkaidō, Kushiro Ko: Drying patches.......................................... 55
JAPAN, Seto Naikai, Kannmon Ko, Kokura Ku: Depths................................. 54
JAPAN, Honshū, Keiin Ko, Kawasaki Ku: Works.......................................... 53
JAPAN, Seto Naikai, Kii Suido, Hidaka Ko SE: Wreck.................................. 53, 54
JAPAN, Honshū, Niigata Ko, Nishi Ku: Depth............................................... 55
JAPAN, Seto Naikai, Bisan Seto, Ko-Zuchi Shima W: Depth.......................... 54
<table>
<thead>
<tr>
<th>15. JAPAN - continued</th>
</tr>
</thead>
<tbody>
<tr>
<td>5762(T)/15 JP 1055A</td>
</tr>
<tr>
<td>6175(T)/15 JP 1121</td>
</tr>
<tr>
<td>6471(T)/15 JP 31</td>
</tr>
<tr>
<td>6472(T)/15 JP 31</td>
</tr>
<tr>
<td>6474(T)/15 JP 1052, JP 1057A</td>
</tr>
<tr>
<td>35(T)/16 JP 1162A</td>
</tr>
<tr>
<td>159(T)/16 JP 1162A</td>
</tr>
<tr>
<td>160(T)/16 JP 1155A</td>
</tr>
<tr>
<td>443(T)/16 JP 1088</td>
</tr>
<tr>
<td>446(T)/16 996, 2347, JP 93</td>
</tr>
<tr>
<td>542(T)/16 JP 149</td>
</tr>
<tr>
<td>796(T)/16 JP 63</td>
</tr>
<tr>
<td>909(T)/16 JP 145</td>
</tr>
<tr>
<td>1163(T)/16 JP 65</td>
</tr>
<tr>
<td>1289(T)/16 JP 104</td>
</tr>
<tr>
<td>1420(T)/16 JP 135, JP 1263</td>
</tr>
<tr>
<td>1537(T)/16 JP 1162B</td>
</tr>
<tr>
<td>1539(T)/16 JP 1155B</td>
</tr>
<tr>
<td>1540(T)/16 JP 145</td>
</tr>
<tr>
<td>1541(T)/16 JP 64A</td>
</tr>
<tr>
<td>1638(T)/16 JP 141</td>
</tr>
<tr>
<td>1640(T)/16 JP 1163</td>
</tr>
<tr>
<td>1773(T)/16 JP 1102</td>
</tr>
<tr>
<td>1915(T)/16 JP 64A</td>
</tr>
<tr>
<td>2074(T)/16 JP 148</td>
</tr>
<tr>
<td>2076(T)/16 JP 64B</td>
</tr>
<tr>
<td>2185(T)/16 JP 1155A</td>
</tr>
<tr>
<td>2327(T)/16 JP 65</td>
</tr>
<tr>
<td>2329(T)/16 JP 95, JP 1055A, JP 1055B</td>
</tr>
<tr>
<td>2331(T)/16 JP 123, JP 1103</td>
</tr>
<tr>
<td>2332(T)/16 JP 123, JP 1107</td>
</tr>
<tr>
<td>2483(T)/16 JP 129</td>
</tr>
<tr>
<td>2485(T)/16 JP 142</td>
</tr>
<tr>
<td>2705(T)/16 JP 70, JP 93, JP 1051</td>
</tr>
<tr>
<td>2706(T)/16 JP 129</td>
</tr>
<tr>
<td>2766(T)/16 JP 1155A</td>
</tr>
<tr>
<td>2767(T)/16 JP 1088</td>
</tr>
<tr>
<td>2768(T)/16 JP 126, JP 1133C</td>
</tr>
<tr>
<td>2770(T)/16 JP 1247B</td>
</tr>
<tr>
<td>2919(T)/16 JP 1162A</td>
</tr>
<tr>
<td>2920(T)/16 JP 1155A</td>
</tr>
<tr>
<td>2921(T)/16 JP 1155B</td>
</tr>
<tr>
<td>2922(T)/16 JP 65</td>
</tr>
<tr>
<td>3031(T)/16 JP 106, JP 1103</td>
</tr>
</tbody>
</table>
15. JAPAN - continued

3033(T)/16 JP 1103, JP 1141 ... JAPAN, Seto Naikai, Hannon Ko, Section 1: Works ........................................ 54
3036(T)/16 JP 1150 .............. JAPAN, Seto Naikai, Wakayama Ku, Section 1: Works ........................................ 54
3085(T)/16 JP 1098 .............. JAPAN, Honshu, Kiyohashi to Oragahama: Depths ........................................ 55
3152(T)/16 JP 1065 .............. JAPAN, Honshu, Tokyo Wan, Kitaibin Ko: Dredging areas ................................. 53
3153(T)/16 JP 1100 .............. JAPAN, Honshu, Ishinomaki Ko: Dredging areas ........................................ 55
3154(T)/16 JP 148 ............... JAPAN, Honshu, Akita Ku: Restricted area; Works ........................... 55
3155(T)/16 JP 1155B .......... JAPAN, Honshu, Niigata Ko, Higashi Ku: Depths ........................................ 55
3156(T)/16 JP 148 ............... JAPAN, Honshu, Akita Ku, Section 2: Dredging area ................................. 55
3157(T)/16 JP 141, JP 142 .... JAPAN, Seto Naikai, Naka Shima: Depths ........................................ 54
3158(T)/16 JP 1088 .............. JAPAN, Honshu, Chiba Ku: Dredging area ........................................ 53
3159(T)/16 2347, JP 149 ....... JAPAN, Honshu, Hamada Ku to Taisha Ko: Fish traps ......................... 53, 55
3160(T)/16 JP 141 .............. JAPAN, Seto Naikai, Nogotsuba Shima: Depths ........................................ 54
3162(T)/16 JP 1056 ............. JAPAN, Honshu, Kinuura Ko: Depths ........................................ 53
3163(T)/16 JP 64B ............... JAPAN, Honshu, Sendai Ku: Dredging area ........................................ 55
3164(T)/16 JP 141 .............. JAPAN, Seto Naikai, Gogo Shima: Depths ........................................ 54
3278(T)/16 JP 1049 ............. JAPAN, Honshu, Kashima Ku: Works ........................................ 53
3279(T)/16 JP 1150 ............. JAPAN, Seto Naikai, Wakayama: Works ........................................ 54
3282(T)/16 JP 131, JP 150A ... JAPAN, Seto Naikai, Akashi S: Depths ........................................ 54
3283(T)/16 JP 127, JP 129 ..... JAPAN, Seto Naikai, Kanda Ku: Works ........................................ 54
3387(T)/16 JP 63 ............... JAPAN, Honshu, Iwaki SW: Works ........................................ 55
3388(T)/16 JP 1056 .......... JAPAN, Honshu, Kamezaki NE: Buoy .................................................... 53
3500(T)/16 JP 1155A ....... JAPAN, Honshu, Niigata Ku, Nishi Ku: Depths ........................................ 55
3501(T)/16 JP 1100 .......... JAPAN, Honshu, Ishinomaki Ku: Works ........................................ 55
3502(T)/16 JP 1061, JP 1086 .. JAPAN, Honshu, Chiba Ku: Dredging areas ........................................ 53
3503(T)/16 JP 128 .............. JAPAN, Seto Naikai, Ube Ku: Dredging area ........................................ 54
3639(T)/16 JP 1049 .......... JAPAN, Honshu, Kashima Ku: Works ........................................ 53
3641(T)/16 JP 1049 .......... JAPAN, Honshu, Kashima Ku: Obstruction ........................................ 53
3645(T)/16 JP 28 .......... JAPAN, Hokkaido, Ishikariwan Ku: Works ........................................ 55
3647(T)/16 JP 135, JP 1262, JAPAN, Seto Naikai, Kannon Ku: Works ........................................ 54
3648(T)/16 JP 1055A ....... JAPAN, Honshu, Nagoya Ku: Depths ........................................ 53
3650(T)/16 JP 1086 .......... JAPAN, Honshu, Chiba Ku: Works ........................................ 53
3651(T)/16 JP 1049 .......... JAPAN, Honshu, Kashima Ku: Works ........................................ 53
3652(T)/16 JP 1052, JP 1057A JAPAN, Honshu, Mikawa Ku: Buoy ........................................ 53
3654(T)/16 JP 135, JP 1262, JAPAN, Seto Naikai, Kannon Ku: Vertical clearance ................................ 54
3655(T)/16 JP 1263 ........ JAPAN, Hokkaido, Ishikariwan Ku: Obstruction ........................................ 53
3770(T)/16 JP 31 ............. JAPAN, Hokkaido, Kushiro Ku: Fish traps ........................................ 55
3771(T)/16 JP 65 ............. JAPAN, Honshu, Hachinohe Ku: Dredging area; Submarine pipeline .... 55
3772(T)/16 JP 1061 .......... JAPAN, Honshu, Chiba Ku: Restricted area ........................................ 53
3773(T)/16 JP 1088 .......... JAPAN, Honshu, Katsunian Ku: Works ........................................ 53
3774(T)/16 JP 142 ............. JAPAN, Seto Naikai, Iwakuni Ku: Works ........................................ 55
3775(T)/16 JP 129 ............. JAPAN, Seto Naikai, Kanda Ku: Depths ........................................ 54
3904(T)/16 JP 1155A ....... JAPAN, Honshu, Niigata Ku, Nishi Ku: Dredging area ................................. 54
3905(T)/16 JP 1067, JP 1081 JAPAN, Honshu, Kiyohashi to Oragahama: Depths ......................... 55
3906(T)/16 996, 1648, JP 77 ... JAPAN, Honshu, Shio-no-Misaki SW: Buoy ................................. 53
3907(T)/16 JP 1101 .......... JAPAN, Seto Naikai, Nakatsu Ku: Works ........................................ 54
3908(T)/16 JP 135, JP 1262, JAPAN, Seto Naikai, Kannon Ku, Hayaton Shima: Dredging area .... 54
3909(T)/16 JP 135, JP 1263, JAPAN, Seto Naikai, Kannon Ku: Obstruction ........................................ 54
4045(T)/16 JP 1192 .......... JAPAN, Honshu, Akita Wan: Obstruction ........................................ 55

IA 31
15. JAPAN - continued

4047(T)/16 JP 1055A, JP 1055B JAPAN, Honshū, Nagoya Ko: Dredging area.................................................. 53
4050(T)/16 JP 137B, JP 153 ....... JAPAN, Seto Naikai, Bisan Seto North Traffic Route: Restricted area; Dredging area ........................................ 54
4158(T)/16 JP 1083.............. JAPAN, Honshū, Sasayama-no-Hana: Depths................................................. 53
4159(T)/16 JP 137B, JP 153 ..... JAPAN, Seto Naikai, Te Shima N: Depths ................................................. 54
4160(T)/16 JP 1127B......... JAPAN, Seto Naikai, Tamashima Harbour Island: Dredging area.............. 54
4161(T)/16 JP 128............. JAPAN, Seto Naikai, Ube Ko SW: Works ...................................................... 54
4164(T)/16 JP 1227......... JAPAN, Kyūshū, Hakata Ko: Works ......................................................................... 53
4165(T)/16 JP 190, JP 1227 ...... JAPAN, Kyūshū, Hakata Ko: Works ......................................................... 53
4272(T)/16 JP 127, JP 1101, JP 1262........... JAPAN, Seto Naikai, He Saki SE: Works ........................................ 54
4383(T)/16 JP 65.............. JAPAN, Honshū, Hachinohe Ko, Section 3: Breakwater; Works ......... 55
4384(T)/16 JP 137B, JP 153 .... JAPAN, Seto Naikai, Shiwaku Shoto: Depths .............................................. 54
4385(T)/16 JP 135, JP 1263,... JAPAN, Seto Naikai, Kannon Pass: Dredging area........................................ 54
4491(T)/16 JP 128......... JAPAN, Seto Naikai, Ube Ko, Oki-Ube SE: Works ............................................... 54
4508(T)/16 JP 101A, JP 1103... JAPAN, Seto Naikai, Kobe Ku: Works ......................................................... 54
4510(T)/16 JP 1150......... JAPAN, Seto Naikai, Wakayama-Shimotsu Ko: Works ........................................... 54
4511(T)/16 JP 1127B......... JAPAN, Seto Naikai, Tamashima Harbour Island NE: Dredging area........ 54
4512(T)/16 JP 1137........... JAPAN, Seto Naikai, Fukuyama Ko: Works ...................................................... 54
4569(T)/16 JP 31.............. JAPAN, Hokkaido, Otonoshiki-Minami: Fish traps .............................................. 55
4571(T)/16 JP 1083......... JAPAN, Honshū, Funakoshi: Depths; Drying patch ................................................. 53
4572(T)/16 JP 129......... JAPAN, Seto Naikai, Fukuoaka: Depths ................................................................. 54
4573(T)/16 JP 127........... JAPAN, Seto Naikai, Kannon Ko: Works .............................................................. 54
4574(T)/16 JP 1267........... JAPAN, Seto Naikai, Fukuoaka: Buoyage ............................................................. 54
4684(T)/16 JP 1172........... JAPAN, Honshū, Dogo: Works .............................................................................. 55
4685(T)/16 JP 1086........... JAPAN, Honshū, Chiba Passage N: Depth ......................................................... 53
4686(T)/16 JP 1061, JP 1065... JAPAN, Honshū, Tokyo Ku, Section 4: Restricted area ......................... 53
4687(T)/16 JP 1052, JP 1057A JAPAN, Honshū, Mikawa Ko: Depths ......................................................... 53
4688(T)/16 JP 1150............ JAPAN, Seto Naikai, Wakayama: Works ......................................................... 54
4809(T)/16 JP 1155A........... JAPAN, Honshū, Niigata Ko: Depths ............................................................... 55
4810(T)/16 JP 63.............. JAPAN, Honshū, Onahama Ko: Dredging area .................................................. 55
4812(T)/16 JP 1083........... JAPAN, Honshū, Keihin Ko: Fish haven .............................................................. 53
4813(T)/16 JP 89.............. JAPAN, Honshū, Shimizu Ko, Orido Wan: Depth ............................................... 53
4814(T)/16 JP 1052, JP 1057A JAPAN, Honshū, Mikawa Ko: Dredging area .................................................. 53
4815(T)/16 JP 1103, JP 1141... JAPAN, Seto Naikai, Hanan Ko, Section 1: Works ........................................ 54
4816(T)/16 JP 1103, JP 1110... JAPAN, Seto Naikai, Hanshin Ko, Sakai-Senboku Ku, Section 6: Dredging area .................................................................................................................. 54
4817(T)/16 JP 127............. JAPAN, Seto Naikai, Kannon Ko, Shin-Moji Ku: Dredging area .............. 54
4925(T)/16 JP 1155B........... JAPAN, Honshū, Higashi Ku: Depths .............................................................. 55
4926(T)/16 JP 1065............ JAPAN, Honshū, Tokyo Ku, Section 2: Depths ................................................. 53
4927(T)/16 JP 1055A........... JAPAN, Honshū, Nagoya Ko: Depths .............................................................. 53
4928(T)/16 JP 135, JP 1263.... JAPAN, Seto Naikai, Kokura Ku: Dredging area ........................................ 54
4929(T)/16 JP 135, JP 1263.... JAPAN, Seto Naikai, Kannon Passage: Works ........................................... 54

16. KOREA AND THE PACIFIC COASTS OF RUSSIA

1237(T)/06 2432, 3046 ........... RUSSIA, Pacific Ocean Coast, Zaliv Petra Velikogo, Ostrov Askol’d Southwards: Obstruction: ................................................................. 56
3359(T)/10 4512 .................. RUSSIA, Pacific Ocean Coast, Poluostrov Kamchatka, East Coast, Approaches to Petropavlovsk-Kamchatskiy: Obstructions; Area to be avoided... 56
3997(T)/10 1065 ..................... KOREA, South Coast, Gadeog Do Westwards, Gadeog Sudo: Buoyage ........ 52
16. KOREA AND THE PACIFIC COASTS OF RUSSIA - continued

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2427(T)/13</td>
<td>1802, 1803</td>
</tr>
<tr>
<td>1933(T)/14</td>
<td>1230</td>
</tr>
<tr>
<td>2746(T)/14</td>
<td>3340</td>
</tr>
<tr>
<td>3144(T)/14</td>
<td>3044</td>
</tr>
<tr>
<td>3582(T)/14</td>
<td>3044, 3045</td>
</tr>
<tr>
<td>1597(P)/15</td>
<td>882, 1271, 3391</td>
</tr>
<tr>
<td>2151(T)/15</td>
<td>4053, 4511</td>
</tr>
<tr>
<td>2427(T)/15</td>
<td>127, 1065, 1259, 3666</td>
</tr>
<tr>
<td>2985(T)/15</td>
<td>896, 898</td>
</tr>
<tr>
<td>5022(T)/15</td>
<td>2432, 3046</td>
</tr>
<tr>
<td>5344(T)/15</td>
<td>3390</td>
</tr>
<tr>
<td>5489(P)/15</td>
<td>8093</td>
</tr>
<tr>
<td>5747(T)/15</td>
<td>3045, 3046</td>
</tr>
<tr>
<td>5956(T)/15</td>
<td>2128</td>
</tr>
<tr>
<td>6359(P)/15</td>
<td>8063</td>
</tr>
<tr>
<td>6652(P)/15</td>
<td>8093</td>
</tr>
<tr>
<td>363(T)/16</td>
<td>3642</td>
</tr>
<tr>
<td>607(T)/16</td>
<td>1259</td>
</tr>
<tr>
<td>1153(T)/16</td>
<td>1008</td>
</tr>
<tr>
<td>1491(T)/16</td>
<td>1271</td>
</tr>
<tr>
<td>1694(P)/16</td>
<td>8063</td>
</tr>
<tr>
<td>2218(T)/16</td>
<td>1271</td>
</tr>
<tr>
<td>2220(T)/16</td>
<td>127, 896, 898, 3666</td>
</tr>
<tr>
<td>2282(T)/16</td>
<td>3365, 3480</td>
</tr>
<tr>
<td>2828(T)/16</td>
<td>896, 898</td>
</tr>
<tr>
<td>3139(T)/16</td>
<td>3041</td>
</tr>
<tr>
<td>3205(T)/16</td>
<td>3044</td>
</tr>
<tr>
<td>3360(T)/16</td>
<td>1259</td>
</tr>
<tr>
<td>3453(T)/16</td>
<td>3391</td>
</tr>
<tr>
<td>3545(T)/16</td>
<td>3044, 3045</td>
</tr>
<tr>
<td>3546(T)/16</td>
<td>2432</td>
</tr>
<tr>
<td>3723(T)/16</td>
<td>1163</td>
</tr>
<tr>
<td>3763(T)/16</td>
<td>2161</td>
</tr>
<tr>
<td>3813(T)/16</td>
<td>3928</td>
</tr>
<tr>
<td>3868(P)/16</td>
<td>8238</td>
</tr>
<tr>
<td>3959(T)/16</td>
<td>1259</td>
</tr>
<tr>
<td>4196(P)/16</td>
<td>1065, 1259</td>
</tr>
<tr>
<td>4214(T)/16</td>
<td>3390</td>
</tr>
<tr>
<td>4296(P)/16</td>
<td>1259</td>
</tr>
<tr>
<td>4378(P)/16</td>
<td>3642</td>
</tr>
<tr>
<td>4445(T)/16</td>
<td>1258, 1270, 1271</td>
</tr>
<tr>
<td>4644(P)/16</td>
<td>127</td>
</tr>
<tr>
<td>4775(T)/16</td>
<td>1259</td>
</tr>
<tr>
<td>4992(T)/16</td>
<td>3340</td>
</tr>
</tbody>
</table>

IA.33
17. PHILIPPINE ISLANDS, BORNEO AND INDONESIA EXCEPT SUMATERA

1696(P)/09 3835 ............... MALAYSIA, Sarawak, Kuala Paloh and Kuala Rajang to Sibu: Depths; Lights; Beacons; Buoyage; Wrecks; Submarine power cables; Submarine pipelines; Dolphins; Restricted area

6289(T)/10 13 .................. PHILIPPINE ISLANDS, Cebu, Approaches to Cebu Harbour, Bantolinao Pt Northwards: Buoy

2489(P)/12 287, 967 ........... MALAYSIA, Sabah, Pulau Banggi Westwards, Northwards and Eastwards: Depths; Rock; Coral

152(T)/13 962, 2391, 4473, 47, 48 Jintotolo Channel, Iloilo Strait, Guimaras Strait, Tañon Strait: Submarine cable

2617(P)/13 967, 4414, 4482, 4883, 4484 ........ MALAYSIA, Sarawak, Kuala Paloh and Kuala Rajang: Buoy

4641(T)/13 161 .................. PHILIPPINE ISLANDS, Palawan to Mindoro and Coran Pass Eastwards: 48

5021(P)/13 3482, 3483, 4508 MALAYSIA, Sabah, North Luconia Shoals West-north-westwards: Works 47, 48

1751(P)/14 1336, 3482, 3483, 3837 .......... MALAYSIA, Sarawak, Beting Tugau (Parsons Shoal) E: Platform 47, 48

493(T)/15 928, 950, 1649, 1868, 2576, 3483, 4507, 4508 .......... MALAYSIA, Sabah, Sandakan NE, Berhala: Light; Buoyage 47, 48, 59

2619(T)/15 1336, 3836 ........ MALAYSIA, Sarawak, T.Sirik NE: Buoy 47, 48

2622(P)/15 3483, 3838 ........ MALAYSIA, Sarawak, Baronia Oil Field W and Central Luconia Gas Field NE: Platforms; Moored storage tanker; Submarine pipeline

2773(T)/15 1748 ............... MALAYSIA, Sarawak, Pelabuhan Bintulu, Bintulu Port: Works 48

3063(T)/15 161, 1336, 3835, 3836 .......... MALAYSIA, Sarawak, Kuala Rajang: Wreck 47, 48

4102(P)/15 1338, 2109, 2111 .......... BRUNEI, Labuan W, Maharaja Lela Oil Field: Submarine pipeline; Works 48

4906(T)/15 Aus 901 ............... EAST TIMOR, Dili Bay: Obstruction 60

5609(P)/15 8056 .................. INDONESIA, Jawa, Port Approach Guide Tanjungpriok: Buoyage 60

5967(P)/15 1844, 2134 ........ BRUNEI, Muara, Pulau Muara Besar: Works 48

437(P)/16 8056 .................. INDONESIA, Jawa, Port Approach Guide Tanjungpriok: Light 60

486(T)/16 928, 967, 2576 .......... PHILIPPINE ISLANDS, Sulu Sea, Cagayan Sulu I. SE: Scientific instruments 48, 59

981(P)/16 2134 .................. BRUNEI, Pulau Berburut E: Works 48

1005(P)/16 8056 .................. INDONESIA, Jawa, North Coast, Pelabuhan Tanjungpriok: Light; Works 60

1032(P)/16 3558, 4411, 4413, 4414, 4449, 4490 .......... PHILIPPINE ISLANDS, Luzon, Verde Island Passage: Depths; Obstructions; Wrecks

1087(T)/16 1336, 3482, 3834, 3835 .......... MALAYSIA, Sarawak, Tanjung Sipang NE: Wreck 47, 48

1103(T)/16 2134 .................. BRUNEI, Muara: Beacon; Buoy 48

1313(T)/16 1680, 1681 .......... MALAYSIA, Sabah, Pulau Bumbun NW: Wreck 59

1330(T)/16 1338, 2111 .......... MALAYSIA, Sabah, Hayter Shoal SE: Wreck 48

1384(T)/16 1823 .................. MALAYSIA, Sarawak, Sungai Sarawak, Blacksmith Rocks: Buoy 48

1510(T)/16 161 .................. MALAYSIA, Sarawak, Batang Rajang: Buoy 48

1564(T)/16 1949, 2109, 3838 .......... MALAYSIA, Sarawak, Approaches to Miri: Buoy; Light 48

1695(P)/16 945, 975, 3731 .......... INDONESIA, Jawa, Selat Surabaya: Buoyage; Restricted area 60

1728(T)/16 3015 .................. INDONESIA, Kalimantan, Approaches to Sungai Barito: Buoyage 59

1755(P)/16 3558, 4490 .......... PHILIPPINE ISLANDS, Luzon, Batangas Bay: Restricted area 59

1764(P)/16 2056, 3729 .......... INDONESIA, Jawa, North Coast, Approaches to Tanjungpriok: Beacons; 46 Light-beacons; Submarine pipeline; Wreck; Mooring buoy

2301(P)/16 1336, 1949, 3483, 3838 .......... MALAYSIA, Sarawak, Baronia Oil Field, Tukau Oil Field NE, Central 47, 48

2793(T)/16 1338, 3483 .......... MALAYSIA, Sabah, Saracen Bank NW: Works 48

3225(P)/16 921 .................. INDONESIA, Jawa, Selat Surabaya, Teluk Lamong Pier N: Buoy 60

3248(P)/16 912 .................. INDONESIA, Jawa, Cilacap and Approaches: Maximum authorised draught; 60 Anchorage areas; Pilot boarding place; Buoyage

4019(P)/16 945, 2471, 2876, 4723 .......... INDONESIA, Jawa, Selat Madura: Submarine pipeline; Works 59, 60, 63
IA

17. PHILIPPINE ISLANDS, BORNEO AND INDONESIA EXCEPT SUMATERA - continued

4195(P)/16 1420, 2786, 2791, 2911, 2936, 2941, 2953, 2992, 2994, 3249, 3250, 3742, 3749, 3751, 3753, 3798, 3799, 3922

INDONESIA, Molucca Sea, Ceram Sea, Banda Sea, Papua: Submarine cables 58,60,66, 67

4425(T)/16 3931, 3932, 8068

PHILIPPINE ISLANDS, Luzon, Manila Harbour, South Harbour SE: Wreck. 48

4490(T)/16 1338, 2109, 2111.

MALAYSIA, Sabah, Labuan W: Works .......................................................... 48

4518(P)/16 945, 2796, 2876, 3731 .........

INDONESIA, Jawa, Poleng Oilfield: Submarine pipeline; Works .............. 60

4549(P)/16 2471, 2639, 2893

INDONESIA, Kalimantan, Selat Makassar W: Submarine pipelines .......... 59

18. AUSTRALIA AND PAPUA NEW GUINA

3423(T)/08 Aus 151 ................. AUSTRALIA, Victoria, Western Port , Western Channel, Sandy Point Southwards: Channel depths; Depths .......................................................... 65

4297(T)/08 Aus 137 ................. AUSTRALIA, South Australia, Port Adelaide: Channel depths; Channel limits 65

4051(T)/10 Aus 252 ................. AUSTRALIA, Queensland, Shute Harbour, Repair Island Westwards: Wreck; Buoy ......

3900(T)/11 Aus 252 ................ AUSTRALIA, Queensland, Laguna Quays: Depths ........................................ 66

4977(T)/11 Aus 236 ................ AUSTRALIA, Queensland, Moreton Bay, Wynnum: Wreck; Buoy ......... 66

3049(T)/12 Aus 818 ................ AUSTRALIA, Queensland, Curtis Channel: Wreck ........................................ 66

5103(T)/12 Aus 113 ................. AUSTRALIA, Western Australia, Fremantle: Depth information .......... 64

647(T)/13 Aus 327 ................. AUSTRALIA, Western Australia, Glomar Shoal Westwards: Scientific instruments; Buoyage .......................................................... 63

881(T)/13 Aus 243, Aus 818 .. AUSTRALIA, Queensland, Bundaberg, South Head North-eastwards: Obstruction .......................... 66

1420(T)/13 Aus 115 ................. AUSTRALIA, Western Australia, Bunbury, Leschenault Estuary: Depths .... 64

1512(T)/13 Aus 57, Aus 741, Aus 742 .......... AUSTRALIA, Western Australia, Damper: Obstruction ......................... 63

1722(T)/13 Aus 754 ................. AUSTRALIA, Western Australia, Perth, Rottnest Island Westwards and North-westwards: Scientific instruments .................................................................. 64

4244(T)/13 Aus 24, Aus 26, Aus 27, Aus 28 ..... AUSTRALIA, Northern Territory, Darwin, Weed Reef South to Middle Arm and East Arm Port to Preston Point: Scientific instruments; Buoyage ........ 63

61(T)/14 Aus 826, Aus 827 .. AUSTRALIA, Queensland, Cape Bowling Green: Scientific instrument ......... 66

245(T)/14 Aus 831, Aus 832 ... AUSTRALIA, Queensland, Two Islands: Wreck ..................................................... 66

796(T)/14 2916, Aus 310 ...... AUSTRALIA, Northern Territory, Timor Sea, Pulau Selarau SW: Buoyage; Scientific instruments ............................................................... 60,63

1977(T)/14 Aus 256 ................. AUSTRALIA, Queensland, Magnetic Island E, Bremner Point: Scientific instrument; Buoy .......................................................... 66

3093(T)/14 Aus 245, Aus 246, Aus 819 ........ AUSTRALIA, Queensland, Gladstone: Scientific instruments; Buoyage ........ 66

3982(T)/14 Aus 26, Aus 28 ..... AUSTRALIA, Northern Territory, Darwin, East Arm, Bladin Point: Works .... 63

4552(T)/14 Aus 826, Aus 827 .. AUSTRALIA, Queensland, Cape Bowling Green E: Buoy ................. 66

4712(T)/14 Aus 257 ................. AUSTRALIA, Queensland, Townsville, Breakwater Marina Channel W: Wreck; Buoy .......................................................... 66

5372(T)/14 Aus 170, Aus 766 .. AUSTRALIA, Tasmania, Mercury Passage, Maria Island, Booming Bay: Obstructions ........................................................................................................ 65

5549(T)/14 Aus 256 ................. AUSTRALIA, Queensland, Cleveland Bay and Approaches, Magnetic Island E: Scientific instrument .......................................................... 66

5557(T)/14 Aus 151, Aus 788, Aus 801 ........ AUSTRALIA, Victoria, Western Port: Scientific instruments ...................... 65

941(T)/15 Aus 62, Aus 66 ...... AUSTRALIA, Western Australia, Barrow Island: Scientific instrument; Buoy 63

1192(T)/15 Aus 26 ................ AUSTRALIA, Northern Territory, Darwin, Middle Ground: Obstruction ........ 63

1193(T)/15 Aus 28 ................. AUSTRALIA, Northern Territory, Darwin, Preston Point: Scientific instruments; Buoyage .......................................................... 63

2287(T)/15 Aus 320, Aus 323 .. AUSTRALIA, Western Australia, Lorrkeet Shoal: Scientific instrument; Buoyage .......................................................... 63

2292(T)/15 Aus 143, Aus 158 .. AUSTRALIA, Victoria, Port Phillip: Works; Light ..................................................... 65

3694(T)/15 Aus 194, Aus 195 .. AUSTRALIA, New South Wales, Port Kembla: Dredging area; Buoyage .... 65
**18. AUSTRALIA AND PAPUA NEW GUINEA - continued**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3703(T)/15</td>
<td>AUSTRALIA, Victoria, Port Phillip: Works</td>
</tr>
<tr>
<td>3704(T)/15</td>
<td>AUSTRALIA, Victoria, Port Phillip: Works</td>
</tr>
<tr>
<td>3705(T)/15</td>
<td>AUSTRALIA, Victoria, Port Phillip: Works</td>
</tr>
<tr>
<td>3706(T)/15</td>
<td>AUSTRALIA, Tasmania, D’Entrecasteaux Channel: Works; Buoyage</td>
</tr>
<tr>
<td>4067(T)/15</td>
<td>AUSTRALIA, Victoria, Port of Geelong, Point Richards Channel: Depth</td>
</tr>
<tr>
<td>4342(T)/15</td>
<td>AUSTRALIA, Western Australia, Dampier Archipelago, Roly Rock W:</td>
</tr>
<tr>
<td>4343(T)/15</td>
<td>AUSTRALIA, Victoria, Port Phillip: Depths</td>
</tr>
<tr>
<td>4522(T)/15</td>
<td>AUSTRALIA, Western Australia, Timor Sea, Sahul Banks SE: Tanker</td>
</tr>
<tr>
<td>4676(T)/15</td>
<td>AUSTRALIA, Northern Territory, Darwin, East Arm: Scientific instruments; Buoyage</td>
</tr>
<tr>
<td>4677(T)/15</td>
<td>AUSTRALIA, Northern Territory, Darwin, East Arm: Lights</td>
</tr>
<tr>
<td>5124(T)/15</td>
<td>AUSTRALIA, Queensland, Boyd Point: Scientific instrument; Buoy</td>
</tr>
<tr>
<td>5328(P)/15</td>
<td>AUSTRALIA, Western Australia, East Holothuria Reef E: Depths</td>
</tr>
<tr>
<td>5673(T)/15</td>
<td>AUSTRALIA, Western Australia, Rankin Bank N: Scientific instruments</td>
</tr>
<tr>
<td>5827(T)/15</td>
<td>AUSTRALIA, Queensland, Hamilton Patches and Moreton Bay: Automatic Identification System</td>
</tr>
<tr>
<td>5828(T)/15</td>
<td>AUSTRALIA, Western Australia, Browse Island NW: Offshore installation</td>
</tr>
<tr>
<td>6373(T)/15</td>
<td>AUSTRALIA, New South Wales, Ballina: Buoy</td>
</tr>
<tr>
<td>6394(T)/15</td>
<td>AUSTRALIA, Western Australia, Wyndham: Depths</td>
</tr>
<tr>
<td>76(T)/16</td>
<td>AUSTRALIA, Northern Territory, Port Darwin: Works</td>
</tr>
<tr>
<td>77(T)/16</td>
<td>AUSTRALIA, Western Australia, Barrow Island NW: Scientific instruments</td>
</tr>
<tr>
<td>80(T)/16</td>
<td>AUSTRALIA, Tasmania, Bruny Island SE: Scientific instruments; Buoyage</td>
</tr>
<tr>
<td>81(T)/16</td>
<td>AUSTRALIA, Tasmania, Eddystone Point SE: Scientific instruments; Buoyage</td>
</tr>
<tr>
<td>82(T)/16</td>
<td>AUSTRALIA, Tasmania, Bass Strait, Five Mile Bluff NW: Wreck</td>
</tr>
<tr>
<td>257(T)/16</td>
<td>AUSTRALIA, Queensland, Missionary Bay: Buoy</td>
</tr>
<tr>
<td>261(T)/16</td>
<td>AUSTRALIA, Western Australia, Approaches to Port Hedland: Buoy</td>
</tr>
<tr>
<td>263(T)/16</td>
<td>AUSTRALIA, Tasmania, King Island W: Scientific instruments; Buoyage</td>
</tr>
<tr>
<td>715(T)/16</td>
<td>AUSTRALIA, New South Wales, Ben Buckler SE: Scientific instruments</td>
</tr>
<tr>
<td>717(T)/16</td>
<td>AUSTRALIA, New South Wales, Port Jackson: Scientific instruments; Buoy</td>
</tr>
<tr>
<td>719(T)/16</td>
<td>AUSTRALIA, Western Australia, Approaches to Onslow: Mooring buoys</td>
</tr>
<tr>
<td>720(T)/16</td>
<td>AUSTRALIA, Western Australia, Browse Island NW: Works</td>
</tr>
<tr>
<td>928(P)/16</td>
<td>PAPUA NEW GUINEA, Port Moresby: Works</td>
</tr>
<tr>
<td>929(T)/16</td>
<td>AUSTRALIA, Tasmania, Maria Island: Scientific instruments</td>
</tr>
<tr>
<td>953(T)/16</td>
<td>AUSTRALIA, Queensland, Cape Barren Island E: Scientific instruments</td>
</tr>
<tr>
<td>1247(T)/16</td>
<td>AUSTRALIA, Queensland, Barney Point: Works</td>
</tr>
<tr>
<td>1248(T)/16</td>
<td>AUSTRALIA, Queensland, Weipa: Mooring buoys</td>
</tr>
<tr>
<td>1249(T)/16</td>
<td>AUSTRALIA, Western Australia, Dampier: Scientific instruments; Buoyage</td>
</tr>
<tr>
<td>1251(T)/16</td>
<td>AUSTRALIA, Tasmania, River Derwent, Tasman Bridge: Works</td>
</tr>
<tr>
<td>1473(T)/16</td>
<td>AUSTRALIA, New South Wales, Port Jackson: Works</td>
</tr>
<tr>
<td>1760(T)/16</td>
<td>AUSTRALIA, Queensland, Embley River: Works</td>
</tr>
<tr>
<td>1763(T)/16</td>
<td>AUSTRALIA, Victoria, Port Phillip, Queenscliff: Obstructions; Buoy</td>
</tr>
<tr>
<td>1775(T)/16</td>
<td>AUSTRALIA, Queensland, Shute Bay: Wreck</td>
</tr>
<tr>
<td>1776(T)/16</td>
<td>AUSTRALIA, Queensland, Solway Passage: Wreck</td>
</tr>
<tr>
<td>2368(T)/16</td>
<td>AUSTRALIA, Northern Territory, Port Darwin: Buoy</td>
</tr>
<tr>
<td>2369(T)/16</td>
<td>AUSTRALIA, New South Wales, Port Kembla: Restricted area</td>
</tr>
</tbody>
</table>
18. AUSTRALIA AND PAPUA NEW GUINEA - continued


2523(T)/16 Aus 816 .......... AUSTRALIA, Queensland, North Gardner Bank: Wreck ........................................ 66
2574(T)/16 Aus 754 .......... AUSTRALIA, Western Australia, Direction Bank SW to Rottnest Island W: Scientific instruments ........................................ 64
2579(T)/16 Aus 257 .......... AUSTRALIA, Queensland, Townsville: Works ............................................... 66
2580(T)/16 Aus 24, Aus 28 .. AUSTRALIA, Northern Territory, Port Darwin, Port Point W: Buoy ........... 63
2582(P)/16 Aus 756, Aus 757 .. AUSTRALIA, Western Australia, Flinders Bay: Depths ..................... 64, 90
2829(T)/16 Aus 144, Aus 158 .. AUSTRALIA, Victoria, Port Phillip, Great Ship Channel: Depths ............. 65
2830(T)/16 Aus 257 .......... AUSTRALIA, Queensland, Townsville, Western Breakwater: Works ........ 66
2904(T)/16 Aus 328 .......... AUSTRALIA, Western Australia, Montebello Islands NW: Buoy ............. 63
3119(T)/16 Aus 115 .......... AUSTRALIA, Western Australia, McKenna Point: Buoyage; Offshore installations ......................................................... 64
3120(T)/16 Aus 235 .......... AUSTRALIA, Queensland, Mooloolaba Harbour : Depths ......................... 66
3121(T)/16 Aus 238 .......... AUSTRALIA, Queensland, Brisbane River, Hamilton Reach: Works ........... 66
3122(T)/16 Aus 257 .......... AUSTRALIA, Queensland, Townsville, Ross River Channel: Depths; Buoyage; Beacons ..................................................... 66
3123(T)/16 Aus 319 .......... AUSTRALIA, Western Australia, Goeree Shoal to Browse Island: Scientific instruments ......................................................... 63
3124(T)/16 Aus 112, Aus 117 .. AUSTRALIA, Western Australia, Success Bank: Obstructions.................. 64
3409(T)/16 Aus 64 .......... AUSTRALIA, Western Australia, Airlie Island: Works ................................ 63
3410(T)/16 4721, 4722, Aus 319, Aus 320 .. AUSTRALIA, Western Australia, Browse Island NW: Works .... 63
3411(T)/16 Aus 171, Aus 796 .. AUSTRALIA, Tasmania, Frederick Henry Bay, Pipe Clay Head to Pitt Water: Scientific instruments ......................................................... 65
3412(T)/16 Aus 174 .......... AUSTRALIA, Tasmania, Port Huon: Wreck ................................................. 65
3414(T)/16 Aus 242 .......... AUSTRALIA, Queensland, Port Bundaberg: Depth ........................................ 66
3415(T)/16 Aus 136 .......... AUSTRALIA, South Australia, Port Pirie: Works ........................................ 65
3419(T)/16 Aus 485, Aus 780 .. AUSTRALIA, South Australia, Haycock Point: Wreck ..................... 65
3609(T)/16 Aus 806 .......... AUSTRALIA, New South Wales, Green Cape: Buoy ........................................ 65
3610(T)/16 Aus 329 .......... AUSTRALIA, Western Australia, Rankin Bank: Buoyage ............................... 63
3611(T)/16 Aus 55, Aus 740 .. AUSTRALIA, Western Australia, Port Walcott: Buoy .............................. 63
3612(T)/16 Aus 257 .......... AUSTRALIA, Queensland, Townsville: Buoyage ........................................ 66
3613(T)/16 Aus 236 .......... AUSTRALIA, Queensland, Moreton Bay, Manly Boat Harbour: Depths .... 66
3614(T)/16 Aus 255, Aus 825, Aus 826 .......... AUSTRALIA, Queensland, Abbot Bay to Holbourne Island: Scientific instruments ......................................................... 66
3933(T)/16 Aus 328 .......... AUSTRALIA, Western Australia, Montebello Islands NW: Buoyage ............ 63
3938(T)/16 Aus 813 .......... AUSTRALIA, New South Wales, Cape Byron E: Obstructions .................... 66
3939(T)/16 Aus 168 .......... AUSTRALIA, Tasmania, Launceston Wharves: Obstructions .................... 65
3941(T)/16 Aus 327, Aus 328 .. AUSTRALIA, Western Australia, Montebello Islands NW: Buoyage ........ 63
3943(T)/16 Aus 4 .......... AUSTRALIA, Queensland, Albatross Bay: Buoy ........................................... 63
3945(T)/16 Aus 200, Aus 201 .. AUSTRALIA, New South Wales, Port Jackson: Works ......................... 65
3946(T)/16 Aus 327, Aus 328 .. AUSTRALIA, Western Australia, Montebello Islands NW: Scientific instruments ......................................................... 63
3947(T)/16 Aus 143, Aus 157 .. AUSTRALIA, Victoria, Port Phillip: Works ............................................. 65
4185(T)/16 Aus 319, Aus 320 .. AUSTRALIA, Western Australia, Browse Island NW: Works; Buoyage ........ 63
18. AUSTRALIA AND PAPUA NEW GUINEA - continued

4190(P)/16 Aus 57, Aus 58, Aus 60, Aus 741, Aus 742
AUSTRALIA, Western Australia, Mermaid Sound, Mermaid Strait and East Lewis Island: Depths

4192(T)/16 Aus 722
AUSTRALIA, Northern Territory, Bathurst Island: Buoy

4403(T)/16 Aus 112
AUSTRALIA, Western Australia, Rottnest Island, Point Clune N: Buoy

4407(T)/16 Aus 154
AUSTRALIA, Victoria, Port of Melbourne, Swanson Dock: Works

4414(T)/16 Aus 293, Aus 299
AUSTRALIA, Queensland, Thursday Island, Port Kennedy: Dolphin; Buoy

4415(T)/16 Aus 112, Aus 113
AUSTRALIA, Western Australia, Fremantle: Buoy

4416(T)/16 Aus 154
AUSTRALIA, Victoria, Port Melbourne: Works; Buoyage; Light-beacons; Berths

4698(T)/16 Aus 235
AUSTRALIA, Queensland, Mooloolaba: Works

4699(T)/16 Aus 327
AUSTRALIA, Western Australia, Rankin Bank: Works

4700(T)/16 Aus 143, Aus 158
AUSTRALIA, Victoria, Port Phillip, Mud Islands NE: Buoy

4701(T)/16 Aus 143, Aus 158
AUSTRALIA, Victoria, Port Phillip: Buoy

4702(T)/16 Aus 151
AUSTRALIA, Victoria, Western Port: Buoy

4703(T)/16 Aus 172
AUSTRALIA, Tasmania, Port of Hobart: Works; Buoyage

4714(T)/16 Aus 236
AUSTRALIA, Queensland, Moreton Bay: Depths; Buoyage

4911(T)/16 Aus 316
AUSTRALIA, Northern Territory, Timor Sea: Tide gauge

4912(T)/16 Aus 270
AUSTRALIA, Queensland, Approaches to Cooktown: Obstruction

4913(T)/16 Aus 171, Aus 796
AUSTRALIA, Tasmania, Storm Bay: Scientific instrument

4914(T)/16 Aus 52, Aus 53, Aus 54, Aus 739, Aus 740
AUSTRALIA, Western Australia, Finucane Island to Weerdee Island: Scientific instruments; Buoyage

4915(T)/16 Aus 238
AUSTRALIA, Queensland, Brisbane River, Hamilton Reach: Works

19. NEW ZEALAND

5449(P)/14 NZ 531
NEW ZEALAND, North Island, East Coast, Mercury Islands and Mercury Bay: Depths; Rocks

5407(T)/15 NZ 5412
NEW ZEALAND, North Island, Bay of Plenty, Tauranga Harbour: Buoyage

5918(T)/15 NZ 5412
NEW ZEALAND, North Island, Tauranga Harbour: Buoy

6227(P)/15 NZ 531, NZ 532
NEW ZEALAND, North Island, East Coast, Coromandel Peninsula: Depths; Rocks

6524(P)/15 NZ 51
NEW ZEALAND, North Island, Motuoroa Islands and Doubtless Bay: Rocks; Islet

6525(P)/15 NZ 51
NEW ZEALAND, North Island, Bay of Islands: Rocks; Depths

1061(T)/16 NZ 66, NZ 661
NEW ZEALAND, South Island, Approaches to Otago Harbour: Scientific instruments; Buoyage

2227(T)/16 NZ 6321
NEW ZEALAND, South Island, East Coast, Lyttelton Harbour, Sticking Point E: Restricted area

2680(P)/16 NZ 64
NEW ZEALAND, South Island, East Coast, Banks Peninsula, Akaroa Harbour: Marine Reserve

3735(T)/16 NZ 4314
NEW ZEALAND, North Island, Manukau Harbour Entrance: Depths

4031(T)/16 4640, 4648, 5140, NZ 46, NZ 58, NZ 62, NZ 463
NEW ZEALAND, North Island, Cook Strait and Approaches: Scientific instruments

4202(T)/16 4600, 4640, NZ 55
NEW ZEALAND, North Island, Poverty Bay E: Scientific instruments

4259(P)/16 NZ 46
NEW ZEALAND, North Island, Kapiti Island: Depths

4461(T)/16 NZ 5125
NEW ZEALAND, North Island, Te Numuhe Rock (Whale Rock): Buoy

20. PACIFIC OCEAN

5229(T)/05 4624
SOUTH PACIFIC OCEAN, Melanesian Basin, Nauru: Fish traps

4177(T)/09 968
SOUTH PACIFIC OCEAN, Ile Futuna and Îles Wallis: Fish havens

60(T)/10 1735
SOUTH PACIFIC OCEAN, Solomon Islands, New Georgia Island, Port Noro, Hathorn Sound: Jetty

5211(T)/11 4510
NORTH PACIFIC OCEAN, North Pacific Basin, Hachijō Shima South-eastwards: Buoy
20. PACIFIC OCEAN - continued

3021(T)/12 3994, 3995, 3996, 3997, 3998, 4621, 4623, 4634
SOUTH PACIFIC OCEAN, Solomon Islands: Fish havens......................... 66,68

2751(T)/13 1640
SOUTH PACIFIC OCEAN, Îles Marquises, Nuku-Hiva, Baie de Taiohao: Obstruction........................................................ 73

3847(T)/13 1436
SOUTH PACIFIC OCEAN, Polynésie Française, Tahiti West Coast, Passe de Taapuna Northwards, Lagon de Punaauia: Wreck........................................... 73

4673(T)/13 936, 2462, 2907
SOUTH PACIFIC OCEAN, Nouvelle-Calédonie, Approaches to Noumea-Passe de Dumêba, Île Te Ndu Southwards: Obstruction................................. 68

218(T)/14 2928
SOUTH PACIFIC OCEAN, Nouvelle-Calédonie, Passe de Thio: Buoy ........... 68

679(T)/14 1494, 1570, 1576
SOUTH PACIFIC OCEAN, Vanuatu, Éfaté, Érakor Bay SW: Buoyage........... 68

681(T)/14 2462, 2463, 2907
SOUTH PACIFIC OCEAN, Nouvelle-Calédonie, South Coast, Nouméa, Grande Rade and Baie Maa: Scientific instruments ........................................... 68

1374(T)/15 1060, 1107
SOUTH PACIFIC OCEAN, Polynésie Française, Îles de la Société, Bora-Bora, Passe Te Ava Nui: Explosive dumping ground; Restricted area.......................... 73

1514(T)/15 3664
SOUTH PACIFIC OCEAN, Archipel des Tuamotu, Hao, Quai Louarn SE: Explosive dumping ground; Restricted area............................................. 73

2280(T)/15 4506, 4507, 4604, 4622
NORTH PACIFIC OCEAN, SOUTH PACIFIC OCEAN: Scientific instruments; Buoyage........................................................................................................ 68

2385(T)/15 2293, 4510, 4511
SOUTH PACIFIC OCEAN, Ryofu-Daini Seamount to Ryoûî Seamount: Buoyage............................................................................................................ 53,55

3675(T)/15 4509
NORTH PACIFIC OCEAN, Taiwan SE, Bashi Channel NE: Data collection buoys.............................................................................................................. 57

87(T)/16 1660, 1673, 1674
SOUTH PACIFIC OCEAN, Fiji Islands, Viti Levu, Approaches to Suva Harbour, Levu Passage: Wreck; Buoy ........................................................................ 70

1436(P)/16 1494
SOUTH PACIFIC OCEAN, Vanuatu, Éfaté - Port Vila - Pontoon Bay and Paray Bay: Works; Buoyage ............................................................... 68

2496(T)/16 761, 4051, 4052, 4060, 4061, 4062, 4506, 4604, 4605, 4606, 4607, 4615, 4617, 4618, 4619, 4623, 4624, 4625, 4629, 4632, 4633, 4802, 4808, 4811.
NORTH PACIFIC OCEAN, SOUTH PACIFIC OCEAN: Data buoys ........... 57,63,68, 70,73,74, 88,89

2979(T)/16 1436
SOUTH PACIFIC OCEAN, Polynésie Française, Passe Avaroa: Buoy .......... 73

3058(T)/16 1436
SOUTH PACIFIC OCEAN, Polynésie Française, Passe Tareu: Buoy ........... 73

3342(T)/16 1103, 1107
SOUTH PACIFIC OCEAN, Polynésie Française, Îles de la Société, Port d’Uturoa: Light-beacon; Buoyage.......................................................... 73

3345(T)/16 1436
SOUTH PACIFIC OCEAN, Polynésie Française, Rade De Papete: Works .... 73

3686(T)/16 1060, 1640
SOUTH PACIFIC OCEAN, Polynésie Française, Îles de la Société and Îles Marquises: Fish havens ............................................................ 73

4193(T)/16 Aus 197, Aus 809
SOUTH PACIFIC OCEAN, Tasman Sea, AUSTRALIA - Sydney to NEW ZEALAND - Auckland: Submarine cable................................................................. 65,66

21. ALEUTIAN ISLANDS, ALASKA AND WEST COAST OF NORTH AMERICA INCLUDING MEXICO

4279(P)/15 8051
UNITED STATES OF AMERICA, West Coast, Port Approach Guide Richmond with Approaches to Oakland and San Francisco: Note...................... 89

5869(P)/15 8004
UNITED STATES OF AMERICA, West Coast, Port Approach Guide Long Beach and Los Angeles: Automatic Identification System.............................. 89

6663(P)/15 8050
UNITED STATES OF AMERICA, West Coast, Port Approach Guide Oakland and San Francisco: Anchor berths; Swinging circles........................................ 89

6664(P)/15 8051
UNITED STATES OF AMERICA, West Coast, Port Approach Guide Richmond with Approaches to Oakland and San Francisco: Automatic Identification System ....................................................................................................... 89

2077(P)/16 8051
UNITED STATES OF AMERICA, West Coast, Port Approach Guide Richmond with Approaches to Oakland and San Francisco: Automatic Identification System ....................................................................................................... 89
IA

22. WEST COASTS OF CENTRAL AND SOUTH AMERICA

3988(T)/13 4245, 4250 ........... CHILE, Northern Coasts, Pta. Galera Westwards: Data collection buoy .......... 98

1762(P)/14 4246, 4247 ........... CHILE, Northern Coasts, Ports in Bahia Concepcion: Depths; Piers; Obstructions; Light-beacon; Pilot boarding places; Dolphin; Port developments .......... 98

4891(T)/14 3089 ................... PERU, Salaverry W: Anchorage areas ................................................................. 98

5527(T)/14 2799 ................... ECUADOR, Bahia de Santa Elena and Manta N: Buoyage ........................................ 98

5533(T)/14 509 ...................... ECUADOR, Golfo de Guayaquil, Data De Posorja W: Wreck .............................. 98

1745(T)/15 2257, 3092 .......... ECUADOR, Golfo de Guayaquil, Pta. de Piedra W: Wreck ............................... 98

3467(T)/15 3084 ................... PERU, Matarani, Caleta Islay: Precautionary area ............................................. 98

5860(P)/15 8090 ................... PERU, Port Approach Guide Puerto Callao: Light .................................................. 98

6453(T)/15 656 ..................... MEXICO, Pacific Ocean Coast, Bahia de Puerto Marques: Light; Buoy ............. 89

295(P)/16 8090 ................... PERU, Port Approach Guide Puerto Callao: Light; Automatic Identification System; Radio reporting point ......................................................... 98

654(P)/16 3083 ................... PERU, Puerto Chimbote: Leading line ................................................................. 98

1696(P)/16 8165 ................... MEXICO, Pacific Ocean Coast, Port Approach Guide Puerto Lazaro Cardenas: Notes .............................................................................................................. 98

1802(T)/16 2319, 8212 .......... COLOMBIA, Pacific Ocean Coast, Approaches to Buenaventura: Automatic Identification Systems .................................................................................................................. 98

2487(P)/16 511, 512 ............... ECUADOR, Rio Guayas: Buoyage; Bridges ......................................................... 98

3380(P)/16 8090 ................... PERU, Puerto Callao: Jetties .............................................................................. 98

4068(P)/16 3089 ................... PERU, Paña: Buoyage; Jetty; Leading line ......................................................... 98

4125(P)/16 8090 ................... PERU, Port Approach Guide Puerto Callao: Wrecks ........................................... 98

4126(P)/16 8090 ................... PERU, Port Approach Guide Puerto Callao: Note .................................................. 98

4188(T)/16 1029, 1049 .......... MEXICO, Pacific Ocean Coast, Ensenada NW: Marine farms ....................... 89

23. ANTARCTICA

4399(P)/14 1776 ................... ANTARCTICA, South Shetland Islands, King George Island to Livingston Island, Barnard Point to Demay Point: Coastline; Rocks; Depths ......................................................... 97

24. EAST COAST OF SOUTH AMERICA AND THE FALKLAND ISLANDS

4710(P)/08 3597 ................... SOUTH ATLANTIC OCEAN, South Georgia, Willis Islands to Eiselhul and Undine harbour: Islets; Rocks ........................................................................................................... 96

6114(T)/10 545 ..................... BRAZIL, East Coast, Porto de Aratu, Dow Chemical Terminal South-westwards: Works; Buoyage ......................................................................................................................... 95

1309(T)/13 529, 530, 3971 .... BRAZIL, South Coast, Cabo Frio South-eastwards: Mooring buoys .......... 95

2399(T)/14 3561 ................... ARGENTINA, Rio de la Plata-Canal Emilio Mitre E and W: Obstructions; Depths; Wreck .................................................................................................................................................. 95

658(T)/15 329, 330, 3959 .......... BRAZIL, North Coast, Rio Pará, Ponta Taipu NW: Depths ......................... 95

1268(T)/15 531 ..................... ARGENTINA, Puerto Mar del Plata, Escollera Sur, Escollera Norte, Escollera Abrigo: Lights ........................................................................................................................................... 95

1738(T)/15 3063 ................... BRAZIL, South Coast, Conceição Eastwards: Wreck ........................................... 95

3190(P)/15 566 ...................... BRAZIL, South Coast, Niteroi W: Depths .................................................................. 95

4215(P)/15 8076 ................... URUGUAY, Port Approach Guide Montevideo: Light-float ........................................ 95

4386(T)/15 547, 3981 .......... BRAZIL, South Coast, Approaches to Porto de Itajai: Spoil ground ............... 95

5289(T)/15 566 ...................... BRAZIL, South Coast, Rio de Janeiro N: Obstruction ................................. 95

5372(T)/15 526 ...................... BRAZIL, North Coast, Pecém Terminal: Light ................................................. 95

5548(T)/15 566 ...................... BRAZIL, South Coast, Baia de Guanabara: Wreck; Foul ........................... 95

5556(T)/15 520, 3962 .......... BRAZIL, North Coast, Cabo Cassiporé SE: Wreck ........................................... 95

5559(T)/15 598 ...................... BRAZIL, East Coast, Porto de Vitória: Wreck ................................................. 95

5605(T)/15 431, 432 .......... BRAZIL, South Coast, Baia da Ilha Grande and Baia de Sepetiba: Wrecks .... 95

5681(T)/15 1749 ................. ARGENTINA, Canal Intermedio: Foul .................................................................... 95

5783(T)/15 556, 557, 3324, 3329, 4200, 4207................................. ARGENTINA, Mar del Plata SE: Scientific instruments .................................................................................................................. 95,96

5856(T)/15 557, 3324, 4200, 4207 ................................................................. ARGENTINA, Mar del Plata SE: Buoy .......................................................................................................................... 96

6057(P)/15 8048 ................... BRAZIL, East Coast, Port Approach Guide Salvador and Associated Terminals: Note; Anchorage areas; Legends ................................................................................................. 95

6729(T)/15 3064, 3324 .......... ARGENTINA, Cabo San Antonio: Beacons; Lights ........................................... 95,96
24. EAST COAST OF SOUTH AMERICA AND THE FALKLAND ISLANDS - continued

**233(P)/16** 8094 .............. ARGENTINA, Port Approach Guide Puerto Ingeniero White, Nacional and Galván: Anchorage areas; Legends......................................................... 96

**469(T)/16** 587 .............. BRAZIL, South Coast, Porto de Paranaguá: Alongside depths .................. 95

**472(T)/16** 431 .............. BRAZIL, South Coast, Porto de Sepetiba: Buoyage; Spoil ground .......... 95

**884(T)/16** 2506 .............. SOUTH ATLANTIC OCEAN, Falkland Islands, Hecate Channel, Providence Head: Light-beacon; Leading line.......................................................... 96

**1094(T)/16** 496, 3972 ........ BRAZIL, East Coast, Porto do Açu NE: Spoil ground ...................... 95

**1350(P)/16** 8076 .............. URUGUAY, Port Approach Guide Montevideo: Legends .............. 95

**1750(P)/16** 2001, 8076 ........ URUGUAY, Approaches to Montevideo: Restricted area; Submarine pipeline; Dredging areas ................................................................. 95

**2529(P)/16** 1331 .............. ARGENTINA, Approaches to Bahia Blanca: Buoyage ................... 96

**2651(P)/16** 8033 .............. BRAZIL, South Coast, Port Approach Guide Paranaguá and Antonina: Notes; Anchorage area; Legend ................................................ 10

**2886(T)/16** 431 .............. BRAZIL, South Coast, Approaches to Porto de Sepetiba: Current meters ...... 95

**3198(T)/16** 566 .............. BRAZIL, South Coast, Baía de Guanabara and Ilha de Cotunduba E: Buoyage 95

**3528(P)/16** 566 .............. BRAZIL, South Coast, I. das Cobras NE: Rock ........................................ 95

**3621(P)/16** 8094 .............. ARGENTINA, Puerto Galván and Puerto Rosales: Jetty; Dolphins; Lights; Dredged area; Lights in line ......................................................... 96

**3795(T)/16** 598 .............. BRAZIL, East Coast, Porto de Tubarão: Buoy ........................................ 95

**3797(T)/16** 529, 3972 ........ BRAZIL, East Coast, Cabo de São Tomé NE: Buoy ............................ 95

**3799(T)/16** 3973 .............. BRAZIL, East Coast, Ilha da Cassumbá E: Scientific instruments ......... 95

**3997(P)/16** 8076 .............. URUGUAY, Port Approach Guide Montevideo: Automatic Identification System; Superbuoy; Restricted area; Light-vessel................. 95

**4127(P)/16** 8076 .............. URUGUAY, Port Approach Guide Montevideo: Pilot boarding places; Maintained channels................................................................. 95

**4236(P)/16** 547 .............. BRAZIL, South Coast, Porto de Ijaí: Works .............................................. 95

**4257(T)/16** 529, 530, 4201, 4202 ........ BRAZIL, South Coast, São Paulo Plateau: Scientific instrument; Buoyage .... 95

**4543(P)/16** 3978 .............. BRAZIL, East Coast, Porto de Suape: Buoyage ................................. 95

**4600(T)/16** 431 .............. BRAZIL, South Coast, Baía de Sepetiba: Buoy ................................. 95

**4730(P)/16** 8049 .............. BRAZIL, South Coast, Port Approach Guide Rio Grande, Porto Alegre and Terminal Santa Clara: Submarine cable; Obstruction; Landmark; Power transmission line; Safe vertical clearance ........................................ 95

25. CARIBBEAN SEA, WEST INDIES AND THE GULF OF MEXICO

**5533(T)/07** 481, 483 ........ WEST INDIES, Trinidad and Tobago, Gulf of Paria, Serpent’s Mouth, Middle Channel: Buoyage ................................................................. 87

**2555(P)/08** 793 .............. WEST INDIES, Windward Islands, Grenadines, Canouan, Taffia Bay: Reclamation area ......................................................................................... 87

**1435(T)/09** 475, 483 ........ WEST INDIES, Trinidad and Tobago, Approaches to Point Lisas Industrial Port, Couva Shoal South-westwards: Buoy .................. 87

**5290(T)/10** 494, 594, 596, 1042 WEST INDIES, Windward Islands, Martinique: Fish havens .............. 87

**329(T)/11** 1044, 1045, 2191 WEST INDIES, Trinidad and Tobago, Bocas Del Dragon Northwards, Chaconia Gas Field Westwards: Wreck ................................................. 87

**330(T)/11** 1044, 1045 ........ VENEZUELA, Gulf of Paria, Punta Campana Eastwards: Data buoy .......... 87

**331(T)/11** 1044 .............. WEST INDIES, Trinidad and Tobago, Tobago, Engmanshins Bay North-north-westwards: Buoy .................................................. 87

**1518(T)/13** 481, 483, 1045 ... CARIBBEAN SEA, West Indies, Trinidad and Tobago, Gulf of Paria, Columbus Bay North-westwards: Data collection buoys .......................... 87

**3705(P)/13** 519, 533 ........ GUYANA, Georgetown, Demerara River: Lights ........................................... 87

**4559(T)/13** 1045, 3320 ........ VENEZUELA, Rio Orinoco, Boca Grande and Approaches, South Channel: LANBY ................................................................. 87

**2348(T)/14** 398 .............. WEST INDIES, Bahamas, Freeport Harbour, North Shore N: Depth .......... 83

**514(P)/15** 1033, 1034 ........ GUYANE FRANÇAISE, Approches to Dégrad des Cannes: Channel; Buoyage; Beacons; Leading line ......................................................... 87

**1103(P)/15** 8006 .............. PANAMA, Panama Canal, Port Approach Guide Panama Canal Northern Entrance: Note ................................................................. 88

**1527(T)/15** 1278, 2262 ........ COLOMBIA, Caribbean Sea Coast, Bahía Colombia W: Obstruction ........ 88
### 25. CARIBBEAN SEA, WEST INDIES AND THE GULF OF MEXICO - continued

<table>
<thead>
<tr>
<th>Code</th>
<th>Number</th>
<th>Description</th>
<th>Country/Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>1025</td>
<td>1042</td>
<td>WEST INDIES, Leeward Islands, Guadeloupe, Petit Cul-de-Sac Marin SE: Fish haven</td>
<td>86,87 West Indies, Leeward Islands, Petit Cul-de-Sac Marin SE: Fish haven</td>
</tr>
<tr>
<td>483</td>
<td></td>
<td>WEST INDIES, Trinidad and Tobago, Gulf of Paria, Boca Grande: Buoy</td>
<td>87 West Indies, Trinidad and Tobago, Gulf of Paria, Boca Grande: Buoy</td>
</tr>
<tr>
<td>443</td>
<td></td>
<td>CUBA, South Coast, Santiago Harbour: Buoyage; Depths; Dredged areas</td>
<td>84 CUBA, South Coast, Santiago Harbour: Buoyage; Depths; Dredged areas</td>
</tr>
<tr>
<td>2079</td>
<td></td>
<td>WEST INDIES, Leeward Islands, Baie de Marigot: Wreck</td>
<td>86 West Indies, Leeward Islands, Baie de Marigot: Wreck</td>
</tr>
<tr>
<td>8031</td>
<td></td>
<td>UNITED STATES OF AMERICA, Gulf of Mexico, Port Approach Guide Mobile Bay: Dredged depths</td>
<td>83 United States of America, Gulf of Mexico, Port Approach Guide Mobile Bay: Dredged depths</td>
</tr>
<tr>
<td>2434</td>
<td></td>
<td>COLOMBIA, Caribbean Sea Coast, Bocachica: Buoyage</td>
<td>88 COLOMBIA, Caribbean Sea Coast, Bocachica: Buoyage</td>
</tr>
<tr>
<td>2190</td>
<td>2193</td>
<td>VENEZUELA, Golfo de Venezuela, Peninsula de Paraguairi W: Submarine cable</td>
<td>87 VENEZUELA, Golfo de Venezuela, Peninsula de Paraguairi W: Submarine cable</td>
</tr>
<tr>
<td>3894</td>
<td>19, 82, 86, 87</td>
<td>VENEZUELA, Maracaibo, Bajo Grande: Submarine pipeline</td>
<td>87 VENEZUELA, Maracaibo, Bajo Grande: Submarine pipeline</td>
</tr>
<tr>
<td>1521</td>
<td></td>
<td>WEST INDIES, Leeward Islands, Guadeloupe, Petit Cul-de-Sac Marin SE: Fish haven</td>
<td>87 West Indies, Leeward Islands, Guadeloupe, Petit Cul-de-Sac Marin SE: Fish haven</td>
</tr>
<tr>
<td>8080</td>
<td></td>
<td>UNITED STATES OF AMERICA, Gulf of Mexico, Port Approach Guide Galveston To Houston Ship Channel: Automatic Identification System</td>
<td>83 United States of America, Gulf of Mexico, Port Approach Guide Galveston To Houston Ship Channel: Automatic Identification System</td>
</tr>
<tr>
<td>8112</td>
<td></td>
<td>UNITED STATES OF AMERICA, Gulf of Mexico, Port Approach Guide Tampa Bay: Automatic Identification Systems</td>
<td>83 United States of America, Gulf of Mexico, Port Approach Guide Tampa Bay: Automatic Identification Systems</td>
</tr>
<tr>
<td>371</td>
<td>594, 596, 1042</td>
<td>WEST INDIES, Windward Islands, Fort-de-France NW: Buoyage</td>
<td>87 WEST INDIES, Windward Islands, Fort-de-France NW: Buoyage</td>
</tr>
<tr>
<td>8077</td>
<td></td>
<td>UNITED STATES OF AMERICA, Gulf of Mexico, Port Approach Guide Houston: Dredged depths</td>
<td>83 United States of America, Gulf of Mexico, Port Approach Guide Houston: Dredged depths</td>
</tr>
<tr>
<td>8031</td>
<td></td>
<td>UNITED STATES OF AMERICA, Gulf of Mexico, Port Approach Guide Mobile Bay: Dredged depths</td>
<td>83 United States of America, Gulf of Mexico, Port Approach Guide Mobile Bay: Dredged depths</td>
</tr>
<tr>
<td>376</td>
<td></td>
<td>WEST INDIES, Leeward Islands, Guadeloupe, Petit Cul-de-Sac Marin SE: Fish haven</td>
<td>87 West Indies, Leeward Islands, Guadeloupe, Petit Cul-de-Sac Marin SE: Fish haven</td>
</tr>
<tr>
<td>1045</td>
<td></td>
<td>WEST INDIES, Trinidad and Tobago, South East Approaches to Trinidad, Red Mango Gas Field NE: Platform; Submarine pipeline</td>
<td>87 West Indies, Trinidad and Tobago, South East Approaches to Trinidad, Red Mango Gas Field NE: Platform; Submarine pipeline</td>
</tr>
<tr>
<td>2005</td>
<td>2006</td>
<td>WEST INDIES, Virgin Islands, Frenchman’s Cay SE: Depths</td>
<td>86 WEST INDIES, Virgin Islands, Frenchman’s Cay SE: Depths</td>
</tr>
<tr>
<td>396</td>
<td>1276, 2195, 4012, 4013, 4400, 4402</td>
<td>COLOMBIA, Caribbean Sea Coast, Punta Canoas NW and Barranquilla N and NE: Current meters</td>
<td>88 COLOMBIA, Caribbean Sea Coast, Punta Canoas NW and Barranquilla N and NE: Current meters</td>
</tr>
<tr>
<td>618</td>
<td></td>
<td>WEST INDIES, Leeward Islands, Guadeloupe, Îles de la Petite Terre NE: Measuring instrument; Buoy</td>
<td>87 WEST INDIES, Leeward Islands, Guadeloupe, Îles de la Petite Terre NE: Measuring instrument; Buoy</td>
</tr>
<tr>
<td>8158</td>
<td></td>
<td>MEXICO, Gulf of Mexico, Port Approach Guide Veracruz: Note</td>
<td>83 MEXICO, Gulf of Mexico, Port Approach Guide Veracruz: Note</td>
</tr>
<tr>
<td>8158</td>
<td></td>
<td>MEXICO, Gulf of Mexico, Port Approach Guide Veracruz: Note</td>
<td>83 MEXICO, Gulf of Mexico, Port Approach Guide Veracruz: Note</td>
</tr>
<tr>
<td>2434</td>
<td></td>
<td>COLOMBIA, Caribbean Sea Coast, Bahía de Cartagena: Submarine pipeline</td>
<td>88 COLOMBIA, Caribbean Sea Coast, Bahía de Cartagena: Submarine pipeline</td>
</tr>
<tr>
<td>471</td>
<td></td>
<td>DOMINICAN REPUBLIC, Puerto de Haina: Depths; Berths; Lights</td>
<td>86 DOMINICAN REPUBLIC, Puerto de Haina: Depths; Berths; Lights</td>
</tr>
<tr>
<td>2192</td>
<td>8065</td>
<td>VENEZUELA, Puerto Cabello and Approaches: Depths; Wrecks; Buoyage</td>
<td>87 VENEZUELA, Puerto Cabello and Approaches: Depths; Wrecks; Buoyage</td>
</tr>
<tr>
<td>604</td>
<td></td>
<td>WEST INDIES, Leeward Islands, Pointe-à-Pitre: Depths; Beacons; Buoyage</td>
<td>87 WEST INDIES, Leeward Islands, Pointe-à-Pitre: Depths; Beacons; Buoyage</td>
</tr>
<tr>
<td>376</td>
<td>1307</td>
<td>MEXICO, Gulf of Mexico, Punta Roca Partida NW: Buoy</td>
<td>83 MEXICO, Gulf of Mexico, Punta Roca Partida NW: Buoy</td>
</tr>
<tr>
<td>2191</td>
<td>2192</td>
<td>VENEZUELA, Morro de Puerto Santo to Punta Agüe: coastline; Mooring buoy, Light</td>
<td>87 VENEZUELA, Morro de Puerto Santo to Punta Agüe: coastline; Mooring buoy, Light</td>
</tr>
<tr>
<td>517</td>
<td>4216</td>
<td>SURINAME, Suriname River N: Platform</td>
<td>87 SURINAME, Suriname River N: Platform</td>
</tr>
<tr>
<td>2434</td>
<td></td>
<td>COLOMBIA, Caribbean Sea Coast, Bocachica: Buoyage</td>
<td>88 COLOMBIA, Caribbean Sea Coast, Bocachica: Buoyage</td>
</tr>
<tr>
<td>444</td>
<td></td>
<td>CUBA, South Coast, Cienfuegos S: Light-beacons</td>
<td>84 CUBA, South Coast, Cienfuegos S: Light-beacons</td>
</tr>
<tr>
<td>2261</td>
<td></td>
<td>COLOMBIA, Caribbean Sea Coast, Puerto Barranquilla and Approaches: Depths; Wreck; Lights; Buoy</td>
<td>88 COLOMBIA, Caribbean Sea Coast, Puerto Barranquilla and Approaches: Depths; Wreck; Lights; Buoy</td>
</tr>
<tr>
<td>1307</td>
<td>2626</td>
<td>MEXICO, Gulf of Campeche, Dos Bocas Terminal N: Wreck</td>
<td>83 MEXICO, Gulf of Campeche, Dos Bocas Terminal N: Wreck</td>
</tr>
<tr>
<td>8112</td>
<td></td>
<td>UNITED STATES OF AMERICA, Gulf of Mexico, Port Approach Guide Tampa Bay: Dredged depth</td>
<td>83 United States of America, Gulf of Mexico, Port Approach Guide Tampa Bay: Dredged depth</td>
</tr>
<tr>
<td>2261</td>
<td></td>
<td>COLOMBIA, Caribbean Sea Coast, Puerto Barranquilla and Approaches: Leading lines</td>
<td>88 COLOMBIA, Caribbean Sea Coast, Puerto Barranquilla and Approaches: Leading lines</td>
</tr>
<tr>
<td>1521</td>
<td></td>
<td>SURINAME, Lago de Maracaibo: Buoy</td>
<td>87 SURINAME, Lago de Maracaibo: Buoy</td>
</tr>
<tr>
<td>2195</td>
<td>4400, 4402</td>
<td>COLOMBIA, Caribbean Sea Coast, Cañon Aguja N: Current meter</td>
<td>86,88 COLOMBIA, Caribbean Sea Coast, Cañon Aguja N: Current meter</td>
</tr>
<tr>
<td>517</td>
<td>520</td>
<td>GUYANE FRANÇAISE, Battures de Malmanoury: Buoy</td>
<td>87,95 GUYANE FRANÇAISE, Battures de Malmanoury: Buoy</td>
</tr>
<tr>
<td>1043</td>
<td></td>
<td>GUYANE FRANÇAISE, Approaches to Degrad des Cannes : Wave recorder</td>
<td>87 GUYANE FRANÇAISE, Approaches to Degrad des Cannes : Wave recorder</td>
</tr>
<tr>
<td>8211</td>
<td></td>
<td>COLOMBIA, Caribbean Sea Coast, Port Approach Guide Cartagena: Beacons</td>
<td>88 COLOMBIA, Caribbean Sea Coast, Port Approach Guide Cartagena: Beacons</td>
</tr>
<tr>
<td>2579</td>
<td>3865, 3866</td>
<td>CUBA, South Coast, Canal Cuatro Reales: Light</td>
<td>83,84 CUBA, South Coast, Canal Cuatro Reales: Light</td>
</tr>
</tbody>
</table>
25. CARIBBEAN SEA, WEST INDIES AND THE GULF OF MEXICO - continued

4258(P)/16  467  DOMINICAN REPUBLIC, San Pedro de Macoris and Puerto de Santo Domingo: Buoyage ................................................................. 86
4292(P)/16  467  DOMINICAN REPUBLIC, Bahia de Andrés: Buoyage .................................................. 86
4293(P)/16  467  DOMINICAN REPUBLIC, Puerto la Romana: Buoyage ........................................ 86
4348(P)/16  2194, 2195, 2267 COLOMBIA, Caribbean Sea Coast, Puerto Bolivar and Punta Aguja to Punta de La Cruz: Depths; Lights; Restricted areas................................. 87,88
4423(P)/16  8031  UNITED STATES OF AMERICA, Gulf of Mexico, Port Approach Guide Mobile Bay: Dredged depth ................................................................. 83
4666(T)/16  1496, 2866, 3910 WEST INDIES, Bahamas, Great Bahama Bank: Lights ........................................ 83
4854(P)/16  1401, 1929, 3098, 3111, 8006, 8007. PANAMA, Panama Canal, Caribbean Sea Coast, Pacific Ocean Coast: Channel limits; Buoyage; Dredged depths; Anchorage areas........................................ 88
5004(P)/16  1277  COLOMBIA, Caribbean Sea Coast, Golfo de Morrosquillo: Reefs.................. 88

26. EAST COAST OF NORTH AMERICA AND GREENLAND

1297(T)/11  324, 2666  CANADA, Newfoundland and Labrador, Banquereau Bank Eastwards and South-eastwards, Hamilton Bank North-eastwards: Sub-surface oceanographic buoys and moorings ................................................................. 76,78
176(T)/13  4112, 4405  GREENLAND, East Coast, Kap Farvel Eastwards: Measuring instruments; Buoy .............................................................................. 15,76
5552(P)/15  8030  UNITED STATES OF AMERICA, East Coast, Port Approach Guide Jacksonville: Dredged areas; Dredged depths............................ 81
5976(P)/15  8122  UNITED STATES OF AMERICA, East Coast, Port Approach Guide Portland: Automatic Identification System.................................................... 81
1565(P)/16  8122  UNITED STATES OF AMERICA, East Coast, Port Approach Guide Portland: Wreck .................................................................................. 81
1893(P)/16  8189  UNITED STATES OF AMERICA, East Coast, Port Approach Guide New York Upper Bay: Lights; Obstruction ...................................................... 81
2681(P)/16  2490, 2492, 2670, 4746  UNITED STATES OF AMERICA, East Coast, Gulf of Maine: Maritime limit ........................................................................ 80,81
2682(P)/16  2710, 2864, 2865, 2866, 3687, 3688, 3691, 3692  UNITED STATES OF AMERICA, East Coast, Cape Fear to Cape Canaveral: S: Maritime limit ........................................................................ 81,83
3188(P)/16  8181  UNITED STATES OF AMERICA, East Coast, Port Approach Guide Port Everglades: Horizontal clearance; Vertical clearance ..............................................
3271(P)/16  8189  UNITED STATES OF AMERICA, East Coast, Port Approach Guide New York Upper Bay: Obstructions ...................................................... 81
3472(P)/16  3692  UNITED STATES OF AMERICA, East Coast, Port Canaveral: Buoyage; Lights...................................................................................... 81
4275(P)/16  8200  UNITED STATES OF AMERICA, East Coast, Port Approach Guide Delaware River - Philadelphia and Camden: Anchorage areas; Legends; Note ................

Source: UK Hydrographic Office
II

GEOGRAPHICAL INDEX

<table>
<thead>
<tr>
<th></th>
<th>Location</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Miscellaneous</td>
<td>2.5</td>
</tr>
<tr>
<td>2</td>
<td>British Isles</td>
<td>2.5 – 2.8</td>
</tr>
<tr>
<td>3</td>
<td>North Russia, Norway, The Faroe Islands and Iceland</td>
<td>2.8</td>
</tr>
<tr>
<td>4</td>
<td>Baltic Sea and Approaches</td>
<td>2.8 – 2.10</td>
</tr>
<tr>
<td>5</td>
<td>North Sea and North and West Coasts of Denmark, Germany, Netherlands and Belgium</td>
<td>2.10 – 2.11</td>
</tr>
<tr>
<td>6</td>
<td>France and Spain, North and West Coasts, and Portugal</td>
<td>2.11 – 2.12</td>
</tr>
<tr>
<td>7</td>
<td>North Atlantic Ocean</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Mediterranean and Black Seas</td>
<td>2.13 – 2.16</td>
</tr>
<tr>
<td>9</td>
<td>Africa, West Coast and South Atlantic</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Africa, South and East Coasts, and Madagascar</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Red Sea, Arabia, Iraq and Iran</td>
<td>2.17</td>
</tr>
<tr>
<td>12</td>
<td>Indian Ocean, Pakistan, India, Sri Lanka, Bangladesh and Burma</td>
<td>2.17 – 2.18</td>
</tr>
<tr>
<td>13</td>
<td>Malacca Strait, Singapore Strait and Sumatera</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>China Sea with its West Shore and China</td>
<td>2.18 – 2.22</td>
</tr>
<tr>
<td>15</td>
<td>Japan</td>
<td>2.22 – 2.24</td>
</tr>
<tr>
<td>16</td>
<td>Korea and the Pacific Coasts of Russia</td>
<td>2.24 – 2.25</td>
</tr>
<tr>
<td>17</td>
<td>Philippine Islands, Borneo and Indonesia except Sumatera</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Australia and Papua New Guinea</td>
<td>2.26</td>
</tr>
<tr>
<td>19</td>
<td>New Zealand</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Pacific Ocean</td>
<td>2.26</td>
</tr>
<tr>
<td>21</td>
<td>Aleutian Islands, Alaska and West Coast of North America including Mexico</td>
<td>2.26 – 2.27</td>
</tr>
<tr>
<td>22</td>
<td>West Coasts of Central and South America</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Antarctica</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>East Coast of South America and The Falkland Islands</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Caribbean Sea, West Indies and the Gulf of Mexico</td>
<td>2.27</td>
</tr>
<tr>
<td>26</td>
<td>East Coast of North America and Greenland</td>
<td>2.27 – 2.28</td>
</tr>
<tr>
<td>27</td>
<td>T &amp; P Notices</td>
<td>2.29 – 2.40</td>
</tr>
</tbody>
</table>
## INDEX OF NOTICES AND CHART FOLIOS

<table>
<thead>
<tr>
<th>Notice No.</th>
<th>Page</th>
<th>Admiralty Chart Folio</th>
</tr>
</thead>
<tbody>
<tr>
<td>4916</td>
<td>2.26</td>
<td>63</td>
</tr>
<tr>
<td>4917</td>
<td>2.22</td>
<td>53</td>
</tr>
<tr>
<td>4918</td>
<td>2.22</td>
<td>54</td>
</tr>
<tr>
<td>4919</td>
<td>2.22</td>
<td>55</td>
</tr>
<tr>
<td>4920</td>
<td>2.23</td>
<td>55</td>
</tr>
<tr>
<td>4921</td>
<td>2.23</td>
<td>55</td>
</tr>
<tr>
<td>4922</td>
<td>2.24</td>
<td>55</td>
</tr>
<tr>
<td>4923</td>
<td>2.24</td>
<td>55</td>
</tr>
<tr>
<td>4924</td>
<td>2.24</td>
<td>53</td>
</tr>
<tr>
<td>4925(T)/16</td>
<td>2.36</td>
<td>55</td>
</tr>
<tr>
<td>4926(T)/16</td>
<td>2.37</td>
<td>53</td>
</tr>
<tr>
<td>4927(T)/16</td>
<td>2.38</td>
<td>53</td>
</tr>
<tr>
<td>4928(T)/16</td>
<td>2.39</td>
<td>54</td>
</tr>
<tr>
<td>4929(T)/16</td>
<td>2.39</td>
<td>54</td>
</tr>
<tr>
<td>4930</td>
<td>2.18</td>
<td>47</td>
</tr>
<tr>
<td>4931</td>
<td>2.26</td>
<td>70</td>
</tr>
<tr>
<td>4932</td>
<td>2.18</td>
<td>52</td>
</tr>
<tr>
<td>4933</td>
<td>2.19</td>
<td>50</td>
</tr>
<tr>
<td>4934</td>
<td>2.26</td>
<td>74</td>
</tr>
<tr>
<td>4935</td>
<td>2.13</td>
<td>31</td>
</tr>
<tr>
<td>4936</td>
<td>2.19</td>
<td>52</td>
</tr>
<tr>
<td>4937</td>
<td>2.24</td>
<td>52, 53</td>
</tr>
<tr>
<td>4938</td>
<td>2.27</td>
<td>81</td>
</tr>
<tr>
<td>4939*</td>
<td>2.17</td>
<td>40</td>
</tr>
<tr>
<td>4940</td>
<td>2.19</td>
<td>52</td>
</tr>
<tr>
<td>4941</td>
<td>2.11</td>
<td>17</td>
</tr>
<tr>
<td>4942</td>
<td>2.12</td>
<td>18</td>
</tr>
<tr>
<td>4943</td>
<td>2.13</td>
<td>29, 31</td>
</tr>
<tr>
<td>4944</td>
<td>2.12</td>
<td>17</td>
</tr>
<tr>
<td>4945(P)/16</td>
<td>2.34</td>
<td>32, 40</td>
</tr>
<tr>
<td>4946*</td>
<td>2.5</td>
<td>8</td>
</tr>
<tr>
<td>4947</td>
<td>2.19</td>
<td>52</td>
</tr>
<tr>
<td>4948(P)/16</td>
<td>2.34</td>
<td>52</td>
</tr>
<tr>
<td>4949</td>
<td>2.14</td>
<td>18</td>
</tr>
<tr>
<td>4950</td>
<td>2.27</td>
<td>83</td>
</tr>
<tr>
<td>4951</td>
<td>2.12</td>
<td>1, 16</td>
</tr>
<tr>
<td>4952</td>
<td>2.26</td>
<td>90</td>
</tr>
<tr>
<td>4953</td>
<td>2.5</td>
<td>58, 60</td>
</tr>
<tr>
<td>4954</td>
<td>2.20</td>
<td>50</td>
</tr>
<tr>
<td>4955*</td>
<td>2.6</td>
<td>1, 7</td>
</tr>
<tr>
<td>4956</td>
<td>2.20</td>
<td>50</td>
</tr>
<tr>
<td>4957</td>
<td>2.14</td>
<td>28</td>
</tr>
<tr>
<td>4958(P)/16</td>
<td>2.31</td>
<td>18, 20</td>
</tr>
<tr>
<td>4959(P)/16</td>
<td>2.32</td>
<td>20</td>
</tr>
<tr>
<td>4960*</td>
<td>2.6</td>
<td>5</td>
</tr>
<tr>
<td>4961</td>
<td>2.27</td>
<td>90</td>
</tr>
<tr>
<td>4962</td>
<td>2.26</td>
<td>68</td>
</tr>
<tr>
<td>4963*</td>
<td>2.6</td>
<td>16</td>
</tr>
<tr>
<td>4964*</td>
<td>2.7</td>
<td>1</td>
</tr>
<tr>
<td>4965</td>
<td>2.25</td>
<td>52</td>
</tr>
<tr>
<td>4966</td>
<td>2.20</td>
<td>50</td>
</tr>
<tr>
<td>4967</td>
<td>2.8</td>
<td>10</td>
</tr>
<tr>
<td>4968</td>
<td>2.9</td>
<td>11</td>
</tr>
<tr>
<td>4969</td>
<td>2.17</td>
<td>43</td>
</tr>
<tr>
<td>4970</td>
<td>2.9</td>
<td>11</td>
</tr>
<tr>
<td>4971</td>
<td>2.9</td>
<td>10</td>
</tr>
<tr>
<td>4972</td>
<td>2.9</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notice No.</th>
<th>Page</th>
<th>Admiralty Chart Folio</th>
</tr>
</thead>
<tbody>
<tr>
<td>4973(T)/16</td>
<td>2.29</td>
<td>14</td>
</tr>
<tr>
<td>4974*</td>
<td>2.7</td>
<td>7</td>
</tr>
<tr>
<td>4975*</td>
<td>2.7</td>
<td>7</td>
</tr>
<tr>
<td>4976</td>
<td>2.15</td>
<td>26</td>
</tr>
<tr>
<td>4977</td>
<td>2.8</td>
<td>14</td>
</tr>
<tr>
<td>4978</td>
<td>2.10</td>
<td>7</td>
</tr>
<tr>
<td>4979</td>
<td>2.28</td>
<td>79</td>
</tr>
<tr>
<td>4980</td>
<td>2.12</td>
<td>16</td>
</tr>
<tr>
<td>4981(P)/16</td>
<td>2.29</td>
<td>10</td>
</tr>
<tr>
<td>4982*</td>
<td>2.7</td>
<td>3</td>
</tr>
<tr>
<td>4983</td>
<td>2.21</td>
<td>52</td>
</tr>
<tr>
<td>4984</td>
<td>2.28</td>
<td>79</td>
</tr>
<tr>
<td>4985*</td>
<td>2.8</td>
<td>8</td>
</tr>
<tr>
<td>4986</td>
<td>2.28</td>
<td>79</td>
</tr>
<tr>
<td>4987(P)/16</td>
<td>2.31</td>
<td>7, 9</td>
</tr>
<tr>
<td>4988(P)/16</td>
<td>2.29</td>
<td>14</td>
</tr>
<tr>
<td>4989</td>
<td>2.15</td>
<td>30</td>
</tr>
<tr>
<td>4990(T)/16</td>
<td>2.31</td>
<td>10</td>
</tr>
<tr>
<td>4991</td>
<td>2.15</td>
<td>31</td>
</tr>
<tr>
<td>4992(T)/16</td>
<td>2.39</td>
<td>56</td>
</tr>
<tr>
<td>4993</td>
<td>2.15</td>
<td>24</td>
</tr>
<tr>
<td>4994</td>
<td>2.16</td>
<td>24</td>
</tr>
<tr>
<td>4995(P)/16</td>
<td>2.34</td>
<td>52</td>
</tr>
<tr>
<td>4996</td>
<td>2.21</td>
<td>50</td>
</tr>
<tr>
<td>4997</td>
<td>2.25</td>
<td>56</td>
</tr>
<tr>
<td>4998</td>
<td>2.17</td>
<td>43</td>
</tr>
<tr>
<td>4999</td>
<td>2.21</td>
<td>50</td>
</tr>
<tr>
<td>5000*</td>
<td>2.11</td>
<td>7</td>
</tr>
<tr>
<td>5001</td>
<td>2.25</td>
<td>52</td>
</tr>
<tr>
<td>5002</td>
<td>2.25</td>
<td>52</td>
</tr>
<tr>
<td>5003</td>
<td>2.10</td>
<td>10</td>
</tr>
<tr>
<td>5004(P)/16</td>
<td>2.40</td>
<td>88</td>
</tr>
<tr>
<td>5005(P)/16</td>
<td>2.35</td>
<td>50</td>
</tr>
<tr>
<td>5006</td>
<td>2.18</td>
<td>42</td>
</tr>
<tr>
<td>5007</td>
<td>2.16</td>
<td>31</td>
</tr>
<tr>
<td>5008</td>
<td>2.22</td>
<td>50</td>
</tr>
<tr>
<td>5009</td>
<td>2.16</td>
<td>26</td>
</tr>
<tr>
<td>5010(P)/16</td>
<td>2.36</td>
<td>50</td>
</tr>
<tr>
<td>5011</td>
<td>2.10</td>
<td>10</td>
</tr>
<tr>
<td>5012(P)/16</td>
<td>2.32</td>
<td>18</td>
</tr>
<tr>
<td>5013(P)/16</td>
<td>2.34</td>
<td>26</td>
</tr>
</tbody>
</table>
## INDEX OF CHARTS AFFECTED

<table>
<thead>
<tr>
<th>Admiralty Chart No.</th>
<th>Notices</th>
<th>Admiralty Chart No.</th>
<th>Notices</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>4961</td>
<td>1978</td>
<td>4982</td>
</tr>
<tr>
<td>73</td>
<td>4942</td>
<td>1983</td>
<td>4994</td>
</tr>
<tr>
<td>127</td>
<td>4937</td>
<td>2028</td>
<td>4951</td>
</tr>
<tr>
<td>134</td>
<td>4974</td>
<td>2115</td>
<td>5003</td>
</tr>
<tr>
<td>141</td>
<td>4949, 4958P</td>
<td>2122</td>
<td>4994</td>
</tr>
<tr>
<td>142</td>
<td>5012P</td>
<td>2150</td>
<td>4967</td>
</tr>
<tr>
<td>152</td>
<td>4974</td>
<td>2182A</td>
<td>4978</td>
</tr>
<tr>
<td>167</td>
<td>4994</td>
<td>2182B</td>
<td>4978, 5000</td>
</tr>
<tr>
<td>267</td>
<td>4987P</td>
<td>2208</td>
<td>4960</td>
</tr>
<tr>
<td>273</td>
<td>5000</td>
<td>2212</td>
<td>5007</td>
</tr>
<tr>
<td>339</td>
<td>4962</td>
<td>2231</td>
<td>4981P</td>
</tr>
<tr>
<td>340</td>
<td>4999</td>
<td>2243</td>
<td>5007</td>
</tr>
<tr>
<td>345</td>
<td>5008, 5010P</td>
<td>2288</td>
<td>4981P</td>
</tr>
<tr>
<td>346</td>
<td>4930</td>
<td>2289</td>
<td>4981P</td>
</tr>
<tr>
<td>347</td>
<td>4930</td>
<td>2292</td>
<td>4981P</td>
</tr>
<tr>
<td>689</td>
<td>4968</td>
<td>2297</td>
<td>4968</td>
</tr>
<tr>
<td>738</td>
<td>4940</td>
<td>2360</td>
<td>5003</td>
</tr>
<tr>
<td>773</td>
<td>5012P</td>
<td>2362</td>
<td>4990T</td>
</tr>
<tr>
<td>819</td>
<td>5006</td>
<td>2364</td>
<td>4970</td>
</tr>
<tr>
<td>825</td>
<td>4969</td>
<td>2413</td>
<td>5005P</td>
</tr>
<tr>
<td>833</td>
<td>4998</td>
<td>2416</td>
<td>4956</td>
</tr>
<tr>
<td>837</td>
<td>4990T</td>
<td>2449</td>
<td>4955</td>
</tr>
<tr>
<td>851</td>
<td>4989</td>
<td>2451</td>
<td>4955</td>
</tr>
<tr>
<td>872</td>
<td>4990T</td>
<td>2467</td>
<td>4953</td>
</tr>
<tr>
<td>882</td>
<td>4997</td>
<td>2484</td>
<td>4946, 4985</td>
</tr>
<tr>
<td>888</td>
<td>4971</td>
<td>2541</td>
<td>4960</td>
</tr>
<tr>
<td>906</td>
<td>4976</td>
<td>2567</td>
<td>4974</td>
</tr>
<tr>
<td>914</td>
<td>5009</td>
<td>2595</td>
<td>5003</td>
</tr>
<tr>
<td>915</td>
<td>5009</td>
<td>2648</td>
<td>4951</td>
</tr>
<tr>
<td>942B</td>
<td>4953</td>
<td>2650</td>
<td>4932</td>
</tr>
<tr>
<td>958</td>
<td>4972</td>
<td>2663</td>
<td>4944</td>
</tr>
<tr>
<td>964</td>
<td>4994</td>
<td>2669</td>
<td>4951, 4963</td>
</tr>
<tr>
<td>1065</td>
<td>4937, 5002</td>
<td>2675</td>
<td>4951</td>
</tr>
<tr>
<td>1158</td>
<td>4943</td>
<td>2680</td>
<td>5011</td>
</tr>
<tr>
<td>1173</td>
<td>4941</td>
<td>2692</td>
<td>4975</td>
</tr>
<tr>
<td>1174</td>
<td>4941</td>
<td>2786</td>
<td>4953</td>
</tr>
<tr>
<td>1183</td>
<td>4975</td>
<td>2966</td>
<td>4973T, 4977</td>
</tr>
<tr>
<td>1186</td>
<td>4985</td>
<td>3026</td>
<td>4954, 4999</td>
</tr>
<tr>
<td>1191</td>
<td>4974</td>
<td>3095</td>
<td>4952</td>
</tr>
<tr>
<td>1198</td>
<td>4943</td>
<td>3249</td>
<td>4953</td>
</tr>
<tr>
<td>1199</td>
<td>4933</td>
<td>3318</td>
<td>4991</td>
</tr>
<tr>
<td>1223</td>
<td>4939</td>
<td>3337</td>
<td>4946</td>
</tr>
<tr>
<td>1250</td>
<td>4932, 4983, 4995P</td>
<td>3340</td>
<td>4992T</td>
</tr>
<tr>
<td>1252</td>
<td>4936</td>
<td>3345</td>
<td>4980</td>
</tr>
<tr>
<td>1259</td>
<td>4937</td>
<td>3391</td>
<td>4937, 4965</td>
</tr>
<tr>
<td>1271</td>
<td>5001</td>
<td>3418</td>
<td>4964</td>
</tr>
<tr>
<td>1272</td>
<td>4935</td>
<td>3457</td>
<td>4938</td>
</tr>
<tr>
<td>1277</td>
<td>5004P</td>
<td>3520</td>
<td>4945P</td>
</tr>
<tr>
<td>1289</td>
<td>4947</td>
<td>3656</td>
<td>4963</td>
</tr>
<tr>
<td>1303</td>
<td>4933</td>
<td>3658</td>
<td>4996</td>
</tr>
<tr>
<td>1306</td>
<td>4933</td>
<td>3709</td>
<td>4945P</td>
</tr>
<tr>
<td>1372</td>
<td>4954</td>
<td>3723</td>
<td>4945P</td>
</tr>
<tr>
<td>1378</td>
<td>4934</td>
<td>3749</td>
<td>4953</td>
</tr>
<tr>
<td>1406</td>
<td>4955</td>
<td>3773</td>
<td>4939</td>
</tr>
<tr>
<td>1419</td>
<td>4969</td>
<td>3896</td>
<td>4950</td>
</tr>
<tr>
<td>1420</td>
<td>4953</td>
<td>3922</td>
<td>4953</td>
</tr>
<tr>
<td>1422</td>
<td>497P</td>
<td>3930</td>
<td>4943</td>
</tr>
<tr>
<td>1423</td>
<td>4987P</td>
<td>4774</td>
<td>4984</td>
</tr>
<tr>
<td>1556</td>
<td>4957</td>
<td>4778</td>
<td>4979</td>
</tr>
<tr>
<td>1602</td>
<td>4933</td>
<td>4792</td>
<td>4986</td>
</tr>
<tr>
<td>1610</td>
<td>4935</td>
<td>8092</td>
<td>4958P, 4959P</td>
</tr>
<tr>
<td>1661</td>
<td>4931</td>
<td>8101</td>
<td>4945P</td>
</tr>
<tr>
<td>1761</td>
<td>4996</td>
<td>8141</td>
<td>4995P</td>
</tr>
<tr>
<td>1793</td>
<td>4966</td>
<td>8145</td>
<td>4995P</td>
</tr>
<tr>
<td>1892</td>
<td>4955</td>
<td>8170</td>
<td>4948P</td>
</tr>
<tr>
<td>1910</td>
<td>4993</td>
<td>8182</td>
<td>4973T, 4988P</td>
</tr>
<tr>
<td>1912</td>
<td>5012P</td>
<td>8235</td>
<td>5013P</td>
</tr>
<tr>
<td>1953</td>
<td>4982</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1975</td>
<td>4975</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### INDEX OF CHARTS AFFECTED

<table>
<thead>
<tr>
<th>Australian</th>
<th>Notices</th>
<th>Admiralty Chart No.</th>
<th>Notices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aus 57</td>
<td>4916</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Japanese</th>
<th>Notices</th>
</tr>
</thead>
<tbody>
<tr>
<td>JP 10</td>
<td>4921, 4922</td>
</tr>
<tr>
<td>JP 53</td>
<td>4920, 4921</td>
</tr>
<tr>
<td>JP 135</td>
<td>4928T, 4929T</td>
</tr>
<tr>
<td>JP 1030</td>
<td>4919, 4921</td>
</tr>
<tr>
<td>JP 1055A</td>
<td>4927T</td>
</tr>
<tr>
<td>JP 1065</td>
<td>4917, 4926T</td>
</tr>
<tr>
<td>JP 1097</td>
<td>4923</td>
</tr>
<tr>
<td>JP 1098</td>
<td>4923</td>
</tr>
<tr>
<td>JP 1112A</td>
<td>4918</td>
</tr>
<tr>
<td>JP 1155B</td>
<td>4925T</td>
</tr>
<tr>
<td>JP 1247A</td>
<td>4924</td>
</tr>
<tr>
<td>JP 1263</td>
<td>4928T, 4929T</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>International</th>
<th>Notices</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT 305</td>
<td>4994</td>
</tr>
<tr>
<td>INT 1042</td>
<td>4978, 5000</td>
</tr>
<tr>
<td>INT 1043</td>
<td>4978</td>
</tr>
<tr>
<td>INT 1044</td>
<td>4987P</td>
</tr>
<tr>
<td>INT 1045</td>
<td>4987P</td>
</tr>
<tr>
<td>INT 1070</td>
<td>4951</td>
</tr>
<tr>
<td>INT 1165</td>
<td>4981P</td>
</tr>
<tr>
<td>INT 1166</td>
<td>4981P</td>
</tr>
<tr>
<td>INT 1232</td>
<td>4990T</td>
</tr>
<tr>
<td>INT 1240</td>
<td>4968</td>
</tr>
<tr>
<td>INT 1277</td>
<td>4981P</td>
</tr>
<tr>
<td>INT 1290</td>
<td>5011</td>
</tr>
<tr>
<td>INT 1332</td>
<td>5003</td>
</tr>
<tr>
<td>INT 1336</td>
<td>4972</td>
</tr>
<tr>
<td>INT 1507</td>
<td>4974</td>
</tr>
<tr>
<td>INT 1511</td>
<td>4955</td>
</tr>
<tr>
<td>INT 1549</td>
<td>4974</td>
</tr>
<tr>
<td>INT 1561</td>
<td>4975</td>
</tr>
<tr>
<td>INT 1574</td>
<td>4986, 4985</td>
</tr>
<tr>
<td>INT 1704</td>
<td>4955</td>
</tr>
<tr>
<td>INT 1707</td>
<td>4951</td>
</tr>
<tr>
<td>INT 1741</td>
<td>4955</td>
</tr>
<tr>
<td>INT 1766</td>
<td>4990T</td>
</tr>
<tr>
<td>INT 1776</td>
<td>4971</td>
</tr>
<tr>
<td>INT 1851</td>
<td>4941</td>
</tr>
<tr>
<td>INT 1901</td>
<td>4942</td>
</tr>
<tr>
<td>INT 1972</td>
<td>4949, 4958P</td>
</tr>
<tr>
<td>INT 3386</td>
<td>5009</td>
</tr>
<tr>
<td>INT 3758</td>
<td>4943</td>
</tr>
<tr>
<td>INT 5360</td>
<td>4937, 4965</td>
</tr>
<tr>
<td>INT 7200</td>
<td>4945P</td>
</tr>
<tr>
<td>INT 7390</td>
<td>5006</td>
</tr>
<tr>
<td>INT 7442</td>
<td>4998</td>
</tr>
</tbody>
</table>
4953  MISCELLANEOUS UPDATES TO CHARTS

Source: UKHO

Chart  Previous Update Details

942B  2451/16  Effective immediately
      Insert magenta limit and chart reference, 3923 (see Note – POSITIONS), as follows:
      North: 1° 18’ 0N.  East: 134° 23’ 0E.
      South: 1° 36’ 0S.  West: 129° 46’ 0E.
      Delete magenta limit and chart number, 3248, in position 1° 33’ 1S., 133° 37’ 7E.

1420  4096/15  Effective immediately
      Delete note, CHART 3248: POSITIONS, centred on 1° 23’ 40’S., 131° 14’ 60’E.

2467  2451/16  Effective immediately
      Insert accompanying note, POSITIONS, centred on 00° 02’ 05’S., 130° 46’ 56’E.

2786  3056/16  Effective immediately
      Delete note, CHART 3248: POSITIONS, within title panel.

3249  4670/16  Effective immediately
      Insert accompanying note, POSITIONS, centred on 3° 03’ 2’S., 137° 24’ 7E.
      Amend reference in W border at latitude 0° 20’ 0S. to read, Adjoining Chart 3923 (see Note – POSITIONS). 
      Delete magenta limit and chart number, 1416, in position 0° 02’ 9S., 130° 19’ 7E.

3749  4096/15  Effective immediately
      Amend reference in N border at longitude 130° 15’ 0E. to read, Adjoining Chart 3923.

3922  4502/15  Effective immediately
      Amend reference in E border at latitude 0° 05’ 0S. to read, Adjoining Chart 3923.
      Delete magenta limit and chart reference, 1416 (see Note – POSITIONS), in position 0° 02’ 9S., 130° 19’ 7E.

4946* ENGLAND - East Coast - River Thames - Blackwall Reach S - Depths.
       Source: Port of London Authority

Chart 2484 (INT 1574) (Panel B, Purfleet to London Bridge) [ previous update 3718/16 ] ETRS89 DATUM

Insert depth, 33
      depth, 35
      depth, 38, close E of:
      depth, 16, close NE of:

(a) 51° 29’ 55N., 0° 00’ 09W.
(b) 51° 29’ 47N., 0° 00’ 09W.

Delete depth, 38, close E of:
      depth, 16, close NE of:

(a) above
(b) above

Chart 3337 [ previous update 3718/16 ] ETRS89 DATUM

Insert depth, 33
      depth, 35

(a) 51° 29’ 551N., 0° 00’ 090W.
(b) 51° 29’ 468N., 0° 00’ 086W.

Delete depth, 38, close E of:
      depth, 16, close NE of:

(a) above
(b) above
II

4955* ENGLISH CHANNEL - Dover Strait - The Ridge NW - Legend. Note.
Source: Historic England

Chart 1406 [previous update 4167/16] WGS84 DATUM
Insert legend, Historic Wreck (see Note), centred on:
the accompanying note, HISTORIC WRECKS, centred on:
50° 56’·56N., 1° 14’·00E.
50° 52’·62N., 3° 38’·60E.

Chart 1610 (INT 1511) [previous update 3533/16] ETRS89 DATUM
Insert legend, Historic Wreck (see Note), centred on:
the accompanying note, HISTORIC WRECKS, centred on:
50° 56’·45N., 1° 16’·05E.
52° 07’·58N., 1° 24’·85E.

Chart 1892 (INT 1741) [previous update 3533/16] ETRS89 DATUM
Insert legend, Historic Wreck (see Note), centred on:
the accompanying note, HISTORIC WRECKS, centred on:
50° 55’·92N., 1° 15’·96E.
50° 44’·49N., 1° 56’·16E.

Chart 2449 [previous update 4167/16] WGS84 DATUM
Insert legend, Historic Wreck (see Note), centred on:
the accompanying note, HISTORIC WRECKS, centred on:
50° 56’·49N., 1° 16’·06E.
50° 51’·08N., 3° 21’·79E.

Chart 2451 (INT 1704) [previous update 4770/16] WGS84 DATUM
Insert legend, Historic Wreck (see Note), centred on:
the accompanying note, HISTORIC WRECKS, centred on:
50° 56’·28N., 1° 14’·39E.
51° 01’·16N., 0° 39’·78E.

4960* SCOTLAND - West Coast - Loch Nevis - Marine farm.
Source: Marine Scotland

Chart 2208 [previous update 285/15] ETRS89 DATUM
Insert limit of marine farm, pecked line, joining:
56° 59’·02N., 5° 40’·50W.
56° 58’·82N., 5° 39’·92W.
56° 58’·66N., 5° 40’·12W.
56° 58’·86N., 5° 40’·70W.

Chart 2541 (Panel E, Loch Nevis) [previous update 3973/15] ETRS89 DATUM
Insert limit of marine farm, pecked line, joining:
56° 59’·02N., 5° 40’·50W.
56° 58’·82N., 5° 39’·92W.
56° 58’·66N., 5° 40’·12W.
56° 58’·86N., 5° 40’·70W.

4963* CHANNEL ISLANDS - Jersey - Plateau des Minquiers NW - Fog signal.
Source: Trinity House Notice 20/16

Chart 2669 [previous update 4951/16] WGS84 DATUM
Amend fog signal to, Bell, at light-buoy
48° 59’·62N., 2° 20’·56W.

Chart 3656 [previous update 3266/15] WGS84 DATUM
Amend fog signal to, Bell, at light-buoy
48° 59’·63N., 2° 20’·58W.
4964* ENGLAND - South Coast - Chichester Harbour - Stocker’s Sands S - Depths.
Source: Chichester Harbour Conservancy

Chart 3418 [previous update 4230/16] ETRS89 DATUM
Insert depth, 49, and extend 5m contour N to enclose
(a) 50° 47’-45N., 0° 54’-97W.
Delete depth, 59, close NE of:
(a) above

4974* ENGLAND - East Coast - Approaches to Tees Bay - Buoy.
Source: PD Teesport Notice 17/16
Note: Radar beacon remains unchanged.

Chart 134 [previous update New Edition 27/08/2015] ETRS89 DATUM
Amend light-buoy to, Mo(A)5s8M
54° 40’-60N., 1° 04’-00W.

Chart 152 (INT 1549) [previous update New Edition 27/08/2015] ETRS89 DATUM
Amend light-buoy to, Mo(A)5s8M
54° 40’-60N., 1° 04’-00W.

Chart 1191 (INT 1507) [previous update 4066/16] ETRS89 DATUM
Amend light-buoy to, Mo(A)5s8M
54° 40’-60N., 1° 04’-00W.

Chart 2567 [previous update New Edition 27/08/2015] ETRS89 DATUM
Amend light-buoy to, Mo(A)5s8M
54° 40’-60N., 1° 04’-00W.

4975* ENGLAND - East Coast - Thames Estuary - Long Sand Head NE - Fog signal.
Source: Trinity House

Chart 1183 (INT 1561) [previous update 4749/16] ETRS89 DATUM
Amend fog signal to, Bell, at light-buoy
51° 48’-06N., 1° 39’-40E.

Chart 1975 [previous update 4509/16] ETRS89 DATUM
Amend fog signal to, Bell, at light-buoy
51° 48’-06N., 1° 39’-40E.

Chart 2692 [previous update 4532/16] ETRS89 DATUM
Amend fog signal to, Bell, at light-buoy
51° 48’-06N., 1° 39’-40E.

4982* WALES - North Coast - Inner Passage - Buoyage.
Source: Port of Mostyn Notice 26/16

Chart 1953 [previous update 4793/16] ETRS89 DATUM
Insert Q Prestatyn
(a) 53° 21’-37N., 3° 29’-00W.
Delete Q.G Prestatyn, close S of:
(a) above

Chart 1978 [previous update 4102/16] ETRS89 DATUM
Replace Q.G Prestatyn, with Q Prestatyn
53° 21’-37N., 3° 29’-00W.
II

4985 ENGLAND - East Coast - River Thames - Shellhaven S - Buoyage.
Source: Port of London Authority

Chart 1186 (Panel A, Canvey Island to Coalhouse Point) [previous update 4753/16] ETRS89 DATUM
Replace
- F.L.Y.2-5s PLA No22, with PLA No22
- F.L.Y.2-5s PLA No12, with PLA No12
- F.L.Y.2-5s PLA No11, with PLA No11

51° 30’-309N., 0° 30’-928E.
51° 30’-321N., 0° 31’-031E.
51° 30’-331N., 0° 31’-138E.

Chart 2484 (INT 1574) (Panel A, Hole Haven to Purfleet) [previous update 4946/16] ETRS89 DATUM
Replace
- F.L.Y.2-5s, with PLA No22

51° 30’-31N., 0° 30’-93E.
51° 30’-32N., 0° 31’-03E.
51° 30’-33N., 0° 31’-14E.

4977 RUSSIA - Barents Sea Coast - Murmansk - Buoyage.
Source: Russian Notice 36/4825/16

Chart 2966 [previous update 4887/16] WGS84 DATUM
Delete
- (3 buoys)

69° 04’-14N., 33° 07’-28E.

Chart 2966 (Panel, Murmansk) [previous update 4887/16] WGS84 DATUM
Delete

69° 04’-25N., 33° 07’-90E.
69° 04’-19N., 33° 07’-60E.
69° 04’-14N., 33° 07’-28E.

4967 POLAND - Kolobrzeg - Depths.
Source: ENC PL5KOLOB

Chart 2150 (Panel, Kolobrzeg) [previous update 4825/16] WGS84 DATUM
Insert
- 5m contour, joining:

(a) 54° 10’-826N., 15° 33’-439E. (existing contour)
(b) 54° 10’-842N., 15° 33’-499E. (existing contour)

Delete
- former 5m contour, joining:

(a) above 54° 10’-834N., 15° 33’-444E. (shore)
and
54° 10’-838N., 15° 33’-462E. (shore)
(b) above
II

4968 FINLAND - Ålands - Lumparn - Maximum authorised draughts.
Source: Finnish Notice 23/237/16

Chart 689 (INT 1240) [previous update 4726/16] WGS84 DATUM
Amend maximum authorised draught to, <5.5m>
60° 12’-79N., 20° 16´-80E.
60° 07´-93N., 20° 17´-91E.

Chart 2297 [previous update 4332/16] WGS84 DATUM
Amend maximum authorised draught to, <5.5m>
60° 12 ´-00N., 20° 15´-54E.
60° 08´-04N., 20° 18´-19E.

4970 RUSSIA - Baltic Sea Coast - Sankt Peterburg - Ostrov Dekabristov E - Wreck.
Source: Russian Notice 36/4846/16

Chart 2364 [previous update 6659/15] WGS84 DATUM
Insert ® 59° 57´-00N., 30° 16´-52E.

4971 SWEDEN - East Coast - Lidön S - Rock.
Source: Swedish Notice 614/11458/16

Chart 888 (INT 1776) [previous update 4557/16] WGS84 DATUM
Insert + (31) 59° 46´-10N., 19° 05´-01E.

4972 BALTIC SEA - TSS Bornholmsgat - Buoy.
Source: Swedish Notice 614/11475/16

Chart 958 (INT 1336) [previous update 2011/16] WGS84 DATUM
Delete Fl(5)Y.20s 55° 14´-20N., 14° 15´-10E.
II

5003  SWEDEN - West Coast - Falsterbokanalen NW and SE - Buoyage.
Source: Swedish Notice 615/11487/16 and ENC SE4DHWHE

Chart 2115 [previous update 4614/16] WGS84 DATUM
Delete  LFl.10s  
55° 20´·79N., 12° 59´·78E.

Chart 2360 [previous update 3634/16] WGS84 DATUM
Delete  LFl.10s  
55° 20´·81N., 12° 59´·68E.

Chart 2595 (INT 1332) [previous update 3712/16] WGS84 DATUM
Replace  with  
55° 29´·79N., 12° 51´·80E.

, with  
55° 28´·78N., 12° 52´·54E.

, with  
55° 27´·85N., 12° 53´·42E.

Delete  LFl.10s Kämpingebukten  
55° 20´·81N., 12° 59´·75E.

5011  POLAND - Port Północny - Buoyage.
Source: Polish Notice 34/450/16

Chart 2680 (INT 1290) (Panel B, Gdańsk) [previous update 4754/16] WGS84 DATUM
Insert  
54° 23´·483N., 18° 42´·798E.

,  
54° 23´·401N., 18° 42´·552E.

Move  to:  
54° 23´·533N., 18° 43´·067E.

Delete former  
54° 23´·338N., 18° 42´·784E.

4978  NORTH SEA - German Sector - Helgoland W - Restricted area.
Source: UKHO
Note: Former Notice 859(P)/16 is cancelled.

Chart 2182A (INT 1043) [previous update 4780/16] WGS84 DATUM
Insert  limit of restricted area, *****, joining:  
(a) 54° 22´·7N., 5° 54´·1E. (existing limit)
54° 20´·6N., 5° 49´·3E.
54° 16´·3N., 5° 49´·2E.
54° 16´·3N., 5° 55´·9E.
(b) 54° 17´·3N., 5° 55´·9E. (existing limit)

Delete former limit of restricted area, *****, joining:  
(a) above
54° 17´·2N., 5° 54´·5E. (b) above
II

4978 NORTH SEA - German Sector - Helgoland W - Restricted area. (continued)

Chart 2182B (INT 1042) [previous update 4646/16] WGS84 DATUM

Insert

- limit of restricted area, ××××, joining:
  (a) 54° 22’·8N., 5° 54’·3E.
  (existing limit)
  54° 20’·6N., 5° 49’·3E.
  54° 16’·3N., 5° 49’·2E.
  54° 16’·3N., 5° 55’·9E.

Delete

- former limit of restricted area, ××××, joining:
  (a) above
  54° 17’·0N., 5° 54’·5E.
  (b) above

5000° NORTH SEA - United Kingdom Sector - Devil’s Hole N - Submarine pipelines.
Offshore installation.
Source: Premier Oil

Chart 273 [previous update 4632/16] WGS84 DATUM

Insert

- Templates

submarine pipeline, ××××, joining:
  (a) 56° 48’·37N., 0° 42’·34E.
  (a) above
  (b) 56° 46’·21N., 0° 42’·78E.
  (b) above
  (c) Obstn
  and
  56° 46’·30N., 0° 46’·28E.
  (d) Template
  (b) above
  and
  56° 44’·55N., 0° 40’·61E.
  (b) above

Chart 2182B (INT 1042) [previous update 4978/16] WGS84 DATUM

Insert

- Templates

56° 48’·4N., 0° 42’·3E.

4941 SPAIN - North Coast - Zierbena N - NM Blocks.
Source: Spanish Notice 30/211/16

Chart 1173 (INT 1851) [previous update 4299/16] WGS84 DATUM

Insert

the accompanying block, centred on: 43° 21’·5N., 3° 04’·9W.

Chart 1174 [previous update 3903/15] WGS84 DATUM

Insert

the accompanying block, centred on: 43° 21’·6N., 3° 05’·0W.

Wk40/16

2.11
4942 SPAIN - South West Coast - Canal del Padre Santo - NM Block.
Source: Spanish Notice 30/213/16

Chart 73 (INT 1901) [previous update 2898/16] WGS84 DATUM
Insert the accompanying block, centred on: 37° 07’·6N., 6° 50’·3W.

4944 FRANCE - West Coast - Pertuis d’Antioche - NM Block. Note.
Source: French Notice 15/65/16
Note: This update is included in New Editions 2743, 2999 and 3000, published 29 September 2016. Former Notice 2823(P)/16 is cancelled.

Chart 2663 [previous update 4623/16] WGS84 DATUM
Insert the accompanying block, centred on: 46° 04’·4N., 1° 14’·5W.
the accompanying note, centred on: 46° 31’·42N., 1° 13’·64W.

4951 FRANCE - North Coast - Plateau de Barnouic W - Buoyage.
Source: French Notice 33/52/16

Chart 2028 [previous update 3889/16] WGS84 DATUM
Insert Fl(5)Y.20s Wave recorder
Move VQ(9)10s Roche Gautier, from:
           to: 49° 01’·57N., 2° 53’·34W.
Chart 2648 (INT 1707) [previous update 3494/16] WGS84 DATUM
Move VQ(9)10s Roche Gautier, from:
           to: 49° 02’·00N., 2° 54’·73W.
        49° 01’·59N., 2° 53’·63W.
Chart 2669 [previous update 3934/16] WGS84 DATUM
Move VQ(9)10s Roche Gautier, from:
           to: 49° 02’·01N., 2° 54’·70W.
        49° 01’·59N., 2° 53’·63W.
Chart 2675 (INT 1070) [previous update 3869/16] ETRS89 DATUM
Move VQ(9), from:
           to: 49° 02’·2N., 2° 54’·7W.
        49° 01’·6N., 2° 53’·6W.

4980 FRANCE - West Coast - Ile Molène NE - Depth.
Source: French Notice 34/54/16

Chart 3345 [previous update 3628/16] WGS84 DATUM
Insert depth, 0g
        48° 24’·53N., 4° 57’·08W.
II

4935 TURKEY - Black Sea Coast - Sinop - Restricted areas.
Source: Turkish Notice 34/177/16

Chart 1272 (Panel E, Approaches to Sinop) [previous update 617/16] WGS84 DATUM
Insert limit of restricted area, diving prohibited, joining:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>42° 01´04N., 35° 10´48E. (shore)</td>
<td></td>
</tr>
<tr>
<td>41° 59´99N., 35° 10´48E.</td>
<td></td>
</tr>
<tr>
<td>41° 59´99N., 35° 12´68E.</td>
<td></td>
</tr>
<tr>
<td>42° 01´04N., 35° 12´68E. (shore) and</td>
<td></td>
</tr>
<tr>
<td>41° 59´93N., 35° 06´71E. (shore)</td>
<td></td>
</tr>
<tr>
<td>41° 59´93N., 35° 07´68E.</td>
<td></td>
</tr>
<tr>
<td>41° 55´93N., 35° 07´68E.</td>
<td></td>
</tr>
<tr>
<td>41° 55´93N., 35° 05´36E. (shore)</td>
<td></td>
</tr>
</tbody>
</table>

Chart 1272 (Panel F, Sinop) [previous update 617/16] WGS84 DATUM
Insert limit of restricted area, diving prohibited, joining:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>41° 59´93N., 35° 07´08E. (W border)</td>
<td></td>
</tr>
<tr>
<td>41° 59´93N., 35° 07´68E.</td>
<td></td>
</tr>
<tr>
<td>41° 58´77N., 35° 07´68E.</td>
<td></td>
</tr>
</tbody>
</table>

4943 TURKEY - İstanbul Boğazi - Çali Br. to Fil Burnu - NM Block.
Source: UKHO and Turkish Notice 25/126/16

Chart 1158 [previous update 4520/16] WGS84 DATUM
Insert the accompanying block, centred on:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>41° 12´3N., 29° 06´9E.</td>
<td></td>
</tr>
</tbody>
</table>

Chart 1198 [previous update 4520/16] WGS84 DATUM
Insert the accompanying block, centred on:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>41° 12´2N., 29° 06´8E.</td>
<td></td>
</tr>
</tbody>
</table>

Chart 3930 (INT 3758) [previous update 4520/16] WGS84 DATUM
Insert the accompanying block, centred on:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>41° 11´6N., 29° 06´3E.</td>
<td></td>
</tr>
</tbody>
</table>
II

4949  MOROCCO - North Coast - Tanger Med 1 - Dredged depths. Dredged areas.
Source: French Notice 34/131/16

Chart 141 (INT 1972)  [previous update 4819/16 ] WGS84 DATUM
Insert limit of dredged area, pecked line, joining:

35° 53’·74N., 5° 29’·45W. (shore)
35° 53’·77N., 5° 29’·50W.
35° 53’·84N., 5° 29’·55W. (existing limit)
and
35° 53’·38N., 5° 29’·86W. (shore)
35° 53’·49N., 5° 30’·00W. (existing limit)

dredged depth, 16m, centred on: 
35° 53’·84N., 5° 29’·41W.
35° 53’·36N., 5° 29’·95W. (existing limit)
dredged depth, 18m, centred on: 
(a) 35° 53’·70N., 5° 29’·56W.
(b) 35° 53’·45N., 5° 29’·86W.

Amend dredged depth to, 19m, centred on:
35° 53’·65N., 5° 29’·88W.

Delete dredged depth, 16m, close NE of:
(a) above
(b) above

4957  GREECE - Aegean Sea Coast - Vóreios Evvoikós Kólpos - Depths. Wreck.
Source: UKHO

Chart 1556  [previous update 2683/16 ] WGS84 DATUM
Insert depth, 9, and extend 10m contour E to enclose depth, 30
depth, 28.5
depth, 27.5
depth, 34

\[ \begin{array}{c}
& 30 \ \text{m}\m
& 28.5 \ \text{m} \\
& 27.5 \ \text{m} \\
& 34 \ \text{m}
\end{array} \]

\[ \begin{array}{c}
& 38° 42’·53N., 23° 04’·53E. \\
& 38° 39’·44N., 23° 18’·42E. \\
& (a) 38° 31’·04N., 23° 28’·89E. \\
& (b) 38° 31’·45N., 23° 31’·26E. \\
& (c) 38° 32’·07N., 23° 32’·37E. \\
& (d) 38° 45’·71N., 23° 02’·21E.
\end{array} \]

Delete depth, 35, close W of:
(a) above
depth, 31, close S of:
(b) above
depth, 33, close NE of:
(c) above
depth, 45, close NW of:
(d) above
II

4976    ITALY - West Coast - Fiumicino - Reclamation area.
Source: Italian Notice 17.6/16

Chart 906 (Panel C, Fiumicino)  [ previous update 2397/16 ] WGS84 DATUM

Insert  limit of reclamation area, pecked line, joining:
   (a)  41° 46´·65N., 12° 13´·36E. (shore)
   (b)  41° 46´·64N., 12° 13´·27E. (shore)
   (c)  41° 46´·51N., 12° 13´·25E.
   (d)  41° 46´·49N., 12° 13´·28E. (shore)
   (e)  41° 46´·31N., 12° 13´·29E.

legend, Being reclaimed (2016), centred on: 41° 46´·60N., 12° 13´·09E.

Delete charted detail, within:
   (a)-(e) above

4989    CYPRUS - Famagusta Bay - Firing practice area. Legend.
Source: Turkish Notice 22/112/16
Note: This update is included in New Edition 796, published 22 September 2016.

Chart 851  [ previous update 3711/16 ] WGS84 DATUM

Insert  limit of firing practice area, pecked line, joining:
   (a)  35° 19´·00N., 34° 13´·00E. (a)
   (b)  35° 16´·00N., 34° 15´·00E. (b)
   (c)  35° 12´·00N., 34° 08´·00E. (c)
   (d)  35° 15´·00N., 34° 05´·00E. (d)

legend, Area No KT-005, within:
   (a)-(d) above

4991    RUSSIA - Black Sea Coast - Neftyanaya Gavan’ Sheskharis (Oil Harbour) - Light.
Source: Russian Notice 36/4853/16

Chart 3318  [ previous update 4884/16 ] WGS84 DATUM

Amend  light to, Iso.G.4s

44° 42´·572N., 37° 50´·248E.

4993    ALGERIA - Bou Aroun - Light.
Source: NAVAREA III Warning 492/16

Chart 1910  [ previous update 1237/16 ] WGS84 DATUM

Insert  ★ Fl(2)6s10M

36° 37´·7N., 2° 39´·5E.
II

4994  ITALY - Sicilia - Trapani N - Light.
Source: Italian Notice 17.9/16

Chart 167 (INT 305) [previous update 1861/16 ] WGS84 DATUM
Amend range of light to, 10M

38° 03´·8N., 12° 31´·9E.

Chart 964 [ previous update 3297/16 ] WGS84 DATUM
Amend range of light to, 10M

38° 03´·86N., 12° 31´·78E.

Chart 1983 [ previous update 3297/16 ] WGS84 DATUM
Amend range of light to, 10M

38° 03´·8N., 12° 31´·7E.

Chart 2122 [ previous update 4818/16 ] WGS84 DATUM
Amend range of light to, 10M

38° 03´·8N., 12° 31´·8E.

5007  UKRAINE - Approaches to Illichivs’k - Buoy. Virtual aid to navigation.
Source: Ukrainian Notice 31/340/16

Chart 2212 [ previous update 3808/16 ] WGS84 DATUM
Replace with symbol, Virtual aid to navigation, safe water topmark, V-AIS

46° 21´·90N., 30° 47´·36E.

Chart 2243 (Panel C, Approaches to Illichivs’k) [ previous update 3752/16 ] WGS84 DATUM
Replace with symbol, Virtual aid to navigation, safe water topmark, V-AIS

46° 21´·90N., 30° 47´·36E.

5009  ITALY - West Coast - Napoli - Avamporto Ammiraglio Francesco Caracciolo - Floating dock.
Light.
Source: Italian Notice 17.8/16
Note: The two pontoons on the north side of the floating dock are to remain.

Chart 914 [ previous update 2165/16 ] WGS84 DATUM
Delete floating dock, centred on:

40° 50´·42N., 14° 16´·05E.

Chart 915 (INT 3386) [ previous update 4033/16 ] WGS84 DATUM
Delete floating dock, centred on:

40° 50´·420N., 14° 16´·050E.
II

4939*    KUWAIT - Approaches to Miná’ az Zawr (Miná’ Sa’úd) - NM Block. Depths.
Source: US chart 62515

Chart 1223 (Panel C, Miná’ az Zawr) [previous update 2794/16] WGS84 DATUM
Insert the accompanying block, centred on:
   28° 46´0N., 48° 25´4E.

Chart 3773 [previous update 4765/16] WGS84 DATUM
Insert depth, 3
   depth, 2
Delete depth, 4, close S of:
   depth, 4
   depth, 2

4969    INDIAN OCEAN - Andaman Islands - Niell I. W and NE - Depths.
Source: ENC IN54013C

Chart 825 [previous update 4846/16] UNDETERMINED DATUM
Insert depth, 27, and extend 30m contour NE to enclose:
   depth, 2
Delete depth, 2, close NW of:
   depth, 3

Chart 1419 (Panel, Northern Approaches to Port Blair) [previous update 4704/16] UNDETERMINED DATUM
Insert depth, 30, enclosed by 30m contour
   depth, 27, enclosed by 30m contour
   depth, 29, and extend 30m contour N to enclose:
   depth, 29, enclosed by 30m contour
   depth, 41, and extend 50m contour W to enclose:
Delete depth, 31, close NE of:
   depth, 2, and associated 30m contour, close SW of:
   depth, 23, close S of:

4998    BURMA - Yangon River (Rangoon River) and Approaches - Western Channel NE - Buoy.
Wrecks.
Source: Myanmar Naval Hydrographic Centre Notice 32/16

Chart 833 (INT 7442) [previous update 1205/16] WGS84 DATUM
Insert 16° 24´10N., 96° 20´96E.
   16° 24´01N., 96° 21´09E.

Wk40/16
II

5006  SRI LANKA - South Coast - Galle Harbour - Note.
Source: UKHO

Chart 819 (INT 7390)  [previous update 4598/16 ] WGS84 DATUM
Delete note, CHART 3700: POSITIONS, centred on: 6° 01’-18N., 80° 16’-30E.

4930  CHINA - South Coast - Huangpu Shuidao and Dahaozhou Shuidao - Depths. NM Block.
Source: Chinese Chart 15457
Note: This update is included in New Edition 347, published 1st December 2016.

Insert the accompanying block, centred on: depth, 92
depth, 98, and extend 10m contour SW to enclose
Delete depth, 94, close NW of:
depth, 101, close S of:
(a) above

Chart 347  [previous update 646/16 ] CGCS 2000 DATUM
Insert depth, 45, enclosed by 5m contour
depth, 76
Delete depth, 84, close SE of:
(a) above

Source: Chinese Notice 33/1458/16

Chart 1250  [previous update 4248/16 ] WGS84 DATUM
Insert legend, Buoyed Channel, orientated SW/NE, centred on:
Delete Fl.R.4s L0

Chart 2650  [previous update 3436/16 ] CGCS 2000 DATUM
Insert legend, Buoyed Channel, between:
radar beacon, Racon (K), at light-buoy
Delete Fl.R.4s L0

Wk40/16
II

4933 CHINA - East Coast - Daji Shan NE and Changjiang Kou NE - Buoyage.
Source: Chinese Notices 33/1462/16 and 33/1465/16

Chart 1199 [previous update 3416/16] CGCS 2000 DATUM
Insert

\[ Fl(2)5s \ W41 \]
31° 22' 5N., 122° 32' 4E.

Chart 1303 [previous update 3077/16] CGCS 2000 DATUM
Insert

\[ Fl(2)5s \ (2 \ buoys) \]
30° 49' 90N., 122° 14' 50E.

Chart 1306 [previous update 3077/16] CGCS 2000 DATUM
Insert

\[ Fl(2)5s \ (2 \ buoys) \]
30° 49' 90N., 122° 14' 50E.

Chart 1602 [previous update 4692/16] CGCS 2000 DATUM
Insert

\[ Fl(2)5s \ W41 \]
31° 22' 47N., 122° 32' 36E.

\[ Fl(2)5s \ (2 \ buoys) \]
30° 49' 90N., 122° 14' 50E.

4936 CHINA - Bo Hai - Sando Gang SW - NM Block.
Source: Chinese Charts 11572 and 11573

Chart 1252 [previous update 4828/16] CGCS 2000 DATUM
Insert

the accompanying block, centred on:
40° 02' 3N., 120° 05' 2E.

4940 CHINA - Yellow Sea Coast - Qitai Fairway - Buoyage.
Source: Chinese Notice 33/1461/16

Chart 738 [previous update 4690/16] CGCS 2000 DATUM
Insert

\[ Fl.G.4s \ No 43-1 \]
34° 44' 637N., 119° 28' 412E.

Delete

\[ Fl.G.4s \ No 43 \]
34° 44' 625N., 119° 28' 715E.

4947 CHINA - Yellow Sea Coast - Chengshan Jiao SW - Buoyage. Lights.
Source: Chinese Notices 33/1459-1460/16

Chart 1289 [previous update 4696/16] CGCS 2000 DATUM
Insert

\[ Iso.R.4s13m8M \]
37° 17' 25N., 122° 34' 31E.

\[ Iso.G.4s10m6M \]
37° 16' 87N., 122° 33' 87E.

\[ Q.R \ No \ 14 \]
37° 17' 13N., 122° 35' 33E.

Amend
designation of light-buoy to, Beihangdao No 1
37° 17' 04N., 122° 40' 43E.

Delete

\[ Fl.R.4s \ No \ 14 \]
37° 17' 15N., 122° 34' 90E.

Wk40/16
II

4954 CHINA - South Coast - Honghai Wan - Buoy. Automatic Identification System.
Source: Chinese Notice 33/1475/16

Chart 1372 [ previous update 5485/15 ] WGS84 DATUM
Insert

\[ Q.G No 1 \]

Automatic Identification System, AIS, at light-buoy

\[(a) \quad 22^\circ 39'\cdot14N., 115^\circ 05'\cdot71E. \]  
\[(a) \quad \text{above} \]

Chart 3026 [ previous update 2016/16 ] WGS84 DATUM
Insert

\[ Q.G No 1 \]

Automatic Identification System, AIS, at light-buoy

\[(a) \quad 22^\circ 39'\cdot14N., 115^\circ 05'\cdot71E. \]  
\[(a) \quad \text{above} \]

Source: Chinese Notice 33/1466/16

Chart 2416 [ previous update New Chart 08/09/2016 ] CGCS 2000 DATUM
Insert

\[ Q(9)\cdot15s No 1 \]

\[ \text{Fl.4s17m3M} \]

Automatic Identification System, AIS, at light

\[(a) \quad 26^\circ 24'\cdot55N., 119^\circ 45'\cdot63E. \]  
\[(a) \quad \text{above} \]

4966 CHINA - South Coast - Daixiajin Shazui and Daixiajin Quiantan - Depths. Buoyage. Legends.
Source: Chinese Chart 15113

Chart 1793 [ previous update 3466/16 ] CGCS 2000 DATUM
Insert

depth, 3\( \text{a} \), enclosed by 5m contour

depth, 4\( \text{a} \), and extend 5m contour NE to enclose

depth, 5, and extend 5m contour E to enclose

symbol, blue and yellow emergency wreck marking buoy,

\[ AL.Oc.BuY.3s \]

\[ VQ(6)+LFl.10s \]

legend, Being reclaimed (2012), between:

\[ 23^\circ 18'\cdot10N., 116^\circ 46'\cdot95E. \]
\[ 23^\circ 18'\cdot54N., 116^\circ 46'\cdot18E. \]
\[ 23^\circ 18'\cdot74N., 116^\circ 45'\cdot95E. \]
\[ 23^\circ 18'\cdot45N., 116^\circ 45'\cdot90E. \]

\[ 23^\circ 17'\cdot73N., 116^\circ 47'\cdot00E. \]
\[ 23^\circ 17'\cdot11N., 116^\circ 47'\cdot89E. \]
\[ 23^\circ 20'\cdot23N., 116^\circ 46'\cdot25E. \]
\[ 23^\circ 20'\cdot15N., 116^\circ 46'\cdot87E. \]
\[ 23^\circ 21'\cdot04N., 116^\circ 46'\cdot86E. \]
\[ 23^\circ 21'\cdot91N., 116^\circ 47'\cdot92E. \]

Delete

depth, 5\( \text{a} \), close SW of:

depth, 6\( \text{a} \), close W of:

depth, 5\( \text{a} \), close S of:

\[(a) \quad \text{above} \]
\[(b) \quad \text{above} \]
Source: Chinese Chart 11700

Chart 1250 [previous update 4932/16] WGS84 DATUM
Insert

\[\begin{align*}
\text{Mo(A)6s} & \quad \text{Automatic Identification System, AIS, at light-buoy:} \\
\text{Fl}(2)R.6s \text{ No 208} & \quad (a) \quad 38^\circ 41'\cdot 1N., 118^\circ 29'\cdot 4E. \\
\text{Fl}G.6s \text{ No 201} & \quad 38^\circ 37'\cdot 3N., 118^\circ 24'\cdot 4E. \\
\text{Fl}(2)G.6s \text{ No 211} & \quad 38^\circ 39'\cdot 8N., 118^\circ 27'\cdot 5E. \\
\end{align*}\]

Delete

\[\begin{align*}
\text{Mo(A)6s and associated Automatic Identification System, AIS} & \quad 38^\circ 34'\cdot 6N., 118^\circ 21'\cdot 5E. \\
\end{align*}\]

4996 TAIWAN - North Coast, Fu-Kuei Chiao E - Wreck.
Source: Taiwanese Notice 109/16
Note: Former Notice 3371(T)/16 is cancelled.

Chart 1761 [previous update 4325/16] WGS84 DATUM
Delete

\[\begin{align*}
\text{25}^\circ 18'\cdot 4N., 121^\circ 35'\cdot 0E. \\
\end{align*}\]

Chart 3658 [previous update 1966/16] WGS84 DATUM
Delete

\[\begin{align*}
\text{25}^\circ 18'\cdot 40N., 121^\circ 35'\cdot 00E. \\
\end{align*}\]

4999 CHINA - South Coast - Daya Wan - Pilot boarding places.
Source: Chinese Chart 15374

Chart 340 [previous update 223/16] CGCS 2000 DATUM
Insert

\[\begin{align*}
\text{22}^\circ 38'\cdot 00N., 114^\circ 36'\cdot 70E. \\
\text{22}^\circ 40'\cdot 50N., 114^\circ 40'\cdot 70E. \\
\end{align*}\]

Delete

\[\begin{align*}
\text{22}^\circ 41'\cdot 76N., 114^\circ 42'\cdot 26E. \\
\text{22}^\circ 39'\cdot 01N., 114^\circ 37'\cdot 01E. \\
\text{22}^\circ 38'\cdot 11N., 114^\circ 42'\cdot 00E. \\
\end{align*}\]

Chart 3026 [previous update 4954/16] WGS84 DATUM
Insert

\[\begin{align*}
\text{22}^\circ 38'\cdot 00N., 114^\circ 36'\cdot 70E. \\
\text{22}^\circ 37'\cdot 98N., 114^\circ 41'\cdot 79E. \\
\end{align*}\]

Delete

\[\begin{align*}
\text{22}^\circ 38'\cdot 00N., 114^\circ 36'\cdot 70E. \\
\text{22}^\circ 37'\cdot 98N., 114^\circ 41'\cdot 79E. \\
\end{align*}\]

Wk40/16
II

5008  CHINA - South Coast - Huihzou Gang - Pilot boarding places.
Source: Chinese Chart 15374

Chart 345 [ previous update 2388/16 ] CGCS 2000 DATUM
Insert  ①  22° 38´·03N., 114° 36´·70E.
        22° 40´·50N., 114° 40´·70E.
Delete  ①  22° 41´·76N., 114° 42´·27E.
        22° 39´·21N., 114° 36´·89E.
        22° 38´·11N., 114° 42´·00E.

4917  JAPAN - Honshū - Keihin Ko - Tokyo Ku - NM Block.
Source: Japanese Notice 37/544/16

Chart JP 1065 [ previous update 2761/16 ] WGS84 DATUM
Insert the accompanying block, centred on:  35° 37´·35"N., 139° 46´·00"E.

4918  JAPAN - Seto Naikai - Hiroshima Ko - NM Block.
Source: Japanese Notice 37/545/16

Chart JP 1112A [ previous update 4044/16 ] WGS84 DATUM
Insert the accompanying block, centred on:  34° 21´·47"N., 132° 31´·13"E.

4919  JAPAN - Hokkaidō - Erimo Misaki S - Submarine cable.
Source: Japanese Notice 37/547/16

Chart JP 1030 [ previous update 3385/16 ] WGS84 DATUM
Insert submarine cable, ~~~~, joining:

41° 20´·00N., 142° 07´·30E.  (S border)
41° 22´·00N., 142° 08´·90E.
41° 35´·70N., 142° 26´·20E.
41° 36´·90N., 142° 29´·60E.
41° 37´·80N., 142° 33´·20E.
41° 36´·60N., 142° 39´·80E.
41° 36´·10N., 142° 41´·20E.
41° 35´·20N., 142° 42´·90E.
41° 33´·20N., 142° 51´·00E.
41° 29´·70N., 143° 00´·00E.
41° 28´·40N., 143° 01´·80E.
41° 23´·00N., 143° 15´·50E.
41° 21´·80N., 143° 22´·30E.
41° 21´·90N., 143° 30´·00E.  (E border)
II

4920 JAPAN - Honshū - Hachinohe to Shiriya Saki E - Submarine cables.
Source: Japanese Notice 37/551/16

Chart JP 53 [previous update 1769/16] WGS84 DATUM
Insert submarine cable, ~~~, joining:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>41° 35´·00N., 142° 25´·30E.</td>
<td>(N border)</td>
</tr>
<tr>
<td>41° 21´·90N., 142° 08´·70E.</td>
<td></td>
</tr>
<tr>
<td>41° 15´·60N., 142° 04´·00E.</td>
<td></td>
</tr>
<tr>
<td>40° 53´·70N., 141° 50´·30E.</td>
<td></td>
</tr>
<tr>
<td>40° 51´·60N., 141° 48´·00E.</td>
<td></td>
</tr>
<tr>
<td>40° 47´·20N., 141° 46´·10E.</td>
<td></td>
</tr>
<tr>
<td>40° 43´·10N., 141° 43´·10E.</td>
<td></td>
</tr>
<tr>
<td>40° 36´·80N., 141° 40´·60E.</td>
<td></td>
</tr>
<tr>
<td>40° 35´·60N., 141° 38´·80E.</td>
<td></td>
</tr>
<tr>
<td>40° 33´·30N., 141° 33´·80E.</td>
<td>(existing cable)</td>
</tr>
<tr>
<td>41° 35´·00N., 142° 43´·60E.</td>
<td>(N border)</td>
</tr>
<tr>
<td>41° 33´·20N., 142° 50´·80E.</td>
<td></td>
</tr>
<tr>
<td>41° 29´·90N., 142° 59´·70E.</td>
<td></td>
</tr>
<tr>
<td>41° 28´·40N., 143° 01´·70E.</td>
<td></td>
</tr>
<tr>
<td>41° 27´·10N., 143° 05´·00E.</td>
<td>(E border)</td>
</tr>
</tbody>
</table>

4921 JAPAN - Honshū - Shiriyamisaki Ko - Lights.
Source: Japanese Notice 37/552/16

Chart JP 10 [previous update 2041/16] WGS84 DATUM
Amend light to, Fl G 3s 7M
Delete ★ Fl G 3s 7M (exting)

Chart JP 53 [previous update 4920/16] WGS84 DATUM
Amend light to, Fl G 3s 7M
Delete ★ Fl G 3s 7M (exting)

Chart JP 1030 [previous update 4919/16] WGS84 DATUM
Move ★ Fl G 3s 7M, from:

to:

41° 24´·7N., 141° 25´·9E.
41° 24´·6N., 141° 25´·6E.

Wk40/16
II

4922 JAPAN - Honshū - Kami-Kita E - Submarine cable.
Source: Japanese Notice 37/553/16

Chart JP 10 [ previous update 4921/16 ] WGS84 DATUM
Insert submarine cable, ~~~, joining:

\[
\begin{align*}
41^\circ 01'\ 10^\prime \mathrm{N.}, & \ 141^\circ 55'\ 00^\prime \mathrm{E.} \\
(\mathrm{E\ border}) & \\
40^\circ 58'\ 80^\prime \mathrm{N.}, & \ 141^\circ 53'\ 40^\prime \mathrm{E.} \\
40^\circ 56'\ 50^\prime \mathrm{N.}, & \ 141^\circ 52'\ 10^\prime \mathrm{E.}
\end{align*}
\]

4923 JAPAN - Honshū - Kitada E - Wreck.
Source: Japanese Notice 37/554/16

Chart JP 1097 [ previous update 2762/16 ] WGS84 DATUM
Insert

\[
37^\circ 16'\ 10^\prime \mathrm{N.}, \ 141^\circ 04'\ 50^\prime \mathrm{E.}
\]

Chart JP 1098 [ previous update 787/16 ] WGS84 DATUM
Insert

\[
37^\circ 16'\ 10^\prime \mathrm{N.}, \ 141^\circ 04'\ 50^\prime \mathrm{E.}
\]

4924 JAPAN - Seto Naikai - Oita Ko E - Buoy.
Source: Japanese Notice 37/555/15

Chart JP 1247A [ previous update 3034/15 ] WGS84 DATUM
Delete \( \triangle \) (R Lt)

\[
33^\circ 16'\ 51.2^\prime \mathrm{N.}, \ 131^\circ 47'\ 04.5^\prime \mathrm{E.}
\]

4937 KOREA - South Coast - Jinhae Man, Geojedo to Namhaedo - Automatic Identification Systems. Light. NM Blocks.
Source: Korean Notices 29/511-536/16 and 33/634/16

Chart 127 [ previous update 4284/16 ] WGS84 DATUM
Insert the accompanying block, centred on:

\[
\begin{align*}
34^\circ 37'\ 1\mathrm{N.}, & \ 128^\circ 21'\ 1\mathrm{E.} \\
34^\circ 53'\ 7\mathrm{N.}, & \ 128^\circ 45'\ 0\mathrm{E.} \\
34^\circ 53'\ 3\mathrm{N.}, & \ 128^\circ 07'\ 9\mathrm{E.} \\
34^\circ 32'\ 2\mathrm{N.}, & \ 128^\circ 44'\ 0\mathrm{E.}
\end{align*}
\]

Automatic Identification System, AIS, at light

\[
34^\circ 40'\ 9\mathrm{N.}, \ 128^\circ 46'\ 4\mathrm{E.}
\]

Automatic Identification System, AIS, at light-beacon

Amend range of light to, 12M

\[
34^\circ 40'\ 6\mathrm{N.}, \ 127^\circ 56'\ 9\mathrm{E.}
\]

Chart 1065 [ previous update 4284/16 ] WGS84 DATUM
Insert the accompanying block, centred on:

\[
\begin{align*}
35^\circ 03'\ 5\mathrm{N.}, & \ 128^\circ 38'\ 5\mathrm{E.} \\
35^\circ 08'\ 26\mathrm{N.}, & \ 128^\circ 35'\ 99\mathrm{E.} \\
34^\circ 56'\ 85\mathrm{N.}, & \ 128^\circ 35'\ 01\mathrm{E.} \\
34^\circ 53'\ 7\mathrm{N.}, & \ 128^\circ 45'\ 10\mathrm{E.}
\end{align*}
\]

Automatic Identification System, AIS, at light-

\[
34^\circ 59'\ 26\mathrm{N.}, \ 128^\circ 35'\ 39\mathrm{E.}
\]

Automatic Identification System, AIS, at light-buoy

\[
34^\circ 57'\ 19\mathrm{N.}, \ 128^\circ 33'\ 47\mathrm{E.}
\]

Automatic Identification System, AIS, at light-beacon

\[
34^\circ 55'\ 34\mathrm{N.}, \ 128^\circ 31'\ 16\mathrm{E.}
\]
II

4937 KOREA - South Coast - Jinhae Man, Geojedo to Namhaedo - Automatic Identification Systems. Light. NM Blocks. (continued)

Chart 1259 (Panel A, Masan) [previous update 4593/16] WGS84 DATUM
Insert Automatic Identification System, AIS, at light 35° 08’-26N., 128° 36’-00E.

Chart 3391 (INT 5360) [previous update 3825/16] WGS84 DATUM
Insert Automatic Identification System, AIS, at light 34° 53’-32N., 128° 07’-97E.
34° 42’-63N., 128° 10’-56E.
34° 36’-87N., 128° 14’-48E.
34° 37’-31N., 128° 07’-07E.
34° 29’-95N., 128° 04’-99E.
Amend range of light to, 12M 34° 40’-76N., 128° 03’-74E.
34° 40’-56N., 127° 56’-94E.

4965 KOREA - South Coast - Yeosu Haeman - Buoyage.
Source: Korean Chart 2526

Chart 3391 (INT 5360) [previous update 4937/16] WGS84 DATUM
Insert I X Fl(4)Y.8s B 34° 45’-68N., 127° 45’-85E.
I X Fl(4)Y.8s C 34° 45’-40N., 127° 45’-89E.

4997 KOREA - East Coast - Tonghae - Buoyage.
Source: Korean Notice 36/687/16

Chart 882 (Panel, Tonghae) [previous update 4871/16] WGS84 DATUM
Insert I X Fl(4)Y.8s A 37° 30’-398N., 129° 09’-422E.
I X Fl(4)Y.8s B 37° 30’-318N., 129° 08’-677E.
I X Fl(4)Y.8s C 37° 30’-038N., 129° 08’-725E.

5001 KOREA - West Coast - Incheon New Port - Light.
Source: Korean Notice 35/672/16

Chart 1271 (Panel C, Incheon New Port) [previous update 4634/16] WGS84 DATUM
Amend range of light to, 9M 37° 20’-29N., 126° 36’-36E.

5002 KOREA - South Coast - Geojedo, Okpo Hang - Wreck.
Source: Korean Notice 35/668/16

Chart 1065 [previous update 4937/16] WGS84 DATUM
Delete Wk 34° 54’-03N., 128° 48’-20E.
II

4916   AUSTRALIA - Western Australia - Nickol Bay - NM Block.
Source: Australian Notice 17/919/16

Chart Aus 57 [ previous update 2605/16 ] WGS84 DATUM
Insert the accompanying block, centred on: 20° 43´·1S., 116° 53´·6E.

4931   SOUTH PACIFIC OCEAN - Fiji Islands - Suva Harbour - Wreck.
Source: Fiji Coastal Navigational Warning 50/16

Chart 1660 [ previous update 3114/16 ] WGS84 DATUM
Insert 18° 08´·500S., 178° 24´·840E.

4934   NORTH PACIFIC OCEAN - Hawaiian Islands - Oahu - Mokapu Peninsula N - Submarine cables.
Source: US Coast Guard District 14 LNM 34/19359/16

Chart 1378 [ previous update 4463/16 ] WGS84 DATUM
Insert submarine cable, ~~~~, joining:

(a)  21° 27´·43N., 157° 45´·39W.
    (shore)
   21° 27´·57N., 157° 45´·36W.
(b)  21° 27´·87N., 157° 45´·15W.
    21° 28´·35N., 157° 45´·21W.
    and
    (a) above
   21° 27´·91N., 157° 45´·05W.
   21° 27´·92N., 157° 45´·02W.
    and
    (b) above
   21° 28´·61N., 157° 45´·62W.

4962   SOUTH PACIFIC OCEAN - Nouvelle-Calédonie - Baie De Poro E - Light-beacon.
Source: French Notice 34/204/16

Chart 339 (Panel, Baie de Poro) [ previous update 3807/16 ] UNDETERMINED DATUM
Delete Fl(3)G.12s 21° 17´·91S., 165° 44´·03E.

4952   UNITED STATES OF AMERICA - West Coast - Coos Bay - Channel depths.
Source: US Coast Guard District 13 LNM 33/18587/16

Chart 3095 (Panel B, Coos Bay) [ previous update 3598/16 ] NAD83 DATUM
Replace existing table with the accompanying table, CHANNEL DEPTHS (Coos Bay), centred on: 43° 21´·3N., 124° 16´·0W.
4961  UNITED STATES OF AMERICA - West Coast - Sinclair Inlet - Lights.
Source: ENC US4WA10M

Chart 47  [ previous update New Edition 30/06/2016 ] NAD83 DATUM
Amend  light to, Fl.Y 47° 32´·45N., 122° 38´·73W.
light to, Fl.G 47° 32´·43N., 122° 38´·76W.

4950  UNITED STATES OF AMERICA - Gulf of Mexico - Approaches to Port Fourchon - Submarine pipeline.
Source: US Coast Guard District 8 LNM 33/11346/16

Chart 3896  [ previous update 4875/16 ] NAD83 DATUM
Insert  submarine pipeline, ****, joining:
29° 06´·23N., 90° 09´·08W. (existing pipeline)
29° 06´·33N., 90° 09´·19W.
29° 06´·42N., 90° 09´·41W.
29° 06´·49N., 90° 09´·76W.
29° 06´·40N., 90° 10´·31W.
29° 06´·13N., 90° 10´·53W.
29° 05´·96N., 90° 10´·63W.
29° 05´·95N., 90° 10´·82W.
29° 05´·99N., 90° 11´·06W. (existing pipeline)

Chart 3896 (Panel, Port Fourchon)  [ previous update 4875/16 ] NAD83 DATUM
Insert  submarine pipeline, ****, joining:
29° 05´·96N., 90° 10´·70W. (E border)
29° 05´·95N., 90° 10´·82W.
29° 05´·99N., 90° 11´·06W. (existing pipeline)

4938  UNITED STATES OF AMERICA - East Coast - Newark Bay - NM Blocks. Anchorage areas. Legends.
Source: US Coast Guard District 1 LNM 30/12333/16, US Chart 12337 and UKHO

Chart 3457  [ previous update 2773/16 ] NAD83 DATUM
Insert  the accompanying block A, centred on:
the accompanying block B, centred on:
Delete  limit of anchorage area, pecked line, and associated legend,  No 38, joining:
40° 40´·9N., 74° 07´·7W.
40° 39´·3N., 74° 09´·5W.
40° 42´·000N., 74° 07´·013W. (N border)
40° 41´·875N., 74° 07´·025W. (bridge)
II

4938 UNITED STATES OF AMERICA - East Coast - Newark Bay - NM Blocks. Anchorage areas. Legends.

Chart 3457 (Panel A, Continuation of Kill Van Kull) [previous update 2773/16] NAD83 DATUM
Delete limit of anchorage area, pecked line, and associated legend, No 34, joining:
- 40° 39′ 400N., 74° 08′ 882W. (N border)
- 40° 39′ 361N., 74° 08′ 846W.
- 40° 39′ 126N., 74° 08′ 989W.
- 40° 38′ 832N., 74° 09′ 335W.
- 40° 38′ 845N., 74° 09′ 400W. (W border)

limit of anchorage area, pecked line, and associated legend, No 37, joining:
- 40° 39′ 400N., 74° 08′ 492W. (N border)
- 40° 39′ 279N., 74° 08′ 564W.
- 40° 39′ 275N., 74° 08′ 437W. (shore)

Chart 3457 (Panel B, Newark Bay) [previous update 2773/16] NAD83 DATUM
Delete limit of anchorage area, pecked line, and associated legend, No 37, joining:
- 40° 41′ 68N., 74° 06′ 65W. (shore)
- 40° 41′ 87N., 74° 07′ 03W.
- 40° 41′ 50N., 74° 07′ 25W. (S border)

4979 CANADA - Saint Lawrence River - Baie des Anglais - Depths.
Source: Canadian Notice 8/1226/16

Chart 4778 (Panel, Quai Public Public Wharf) [previous update 2200/16] NAD83 DATUM
Replace depth, $3_5$, with depth, $3_2$
- 49° 13′ 59.3"N., 68° 07′ 59.7"W.

4984 CANADA - Saint Lawrence River - Mont-Louis N - Obstruction.
Source: Canadian Notice 8/4026/16

Chart 4774 [previous update 4530/16] NAD83 DATUM
Insert SADO/ODAS
- 49° 32′ 6N., 65° 46′ 3W.

4986 CANADA - Saint Lawrence River - Rivière des Prairies - Depths.
Source: Canadian Notice 8/1310/16

Chart 4792 (Panel A-B) [previous update New Edition 14/07/2016] NAD83 DATUM
Insert sounding out of position, $2_6$, and extend 5m contour S to enclose
- 45° 42′ 15.4"N., 73° 29′ 02.1"W.
- 45° 42′ 16.3"N., 73° 28′ 57.2"W.
2.29

4973(T)/16 RUSSIA - Barents Sea Coast - Murmansk - Mys Kondratkina S - Mooring buoys.

Source: Russian Notice 36/4826(T)/16
1. Mooring buoys have been temporarily established in the following positions:

69° 04′ 21N., 33° 08′ 85E.
69° 04′ 25N., 33° 08′ 56E.

(WGS84 Datum)

Charts affected - 2966 - 8182

4988(P)/16 RUSSIA - Barents Sea Coast - Port Approach Guide Murmansk - Buoyage.

Source: Russian Notice 36/4825/16
1. Chart affected - 8182


Source: Latvian Notices 3/50-67/16 and Latvian Chart 3700
1. There have been numerous changes to charted detail within Liepāja and its approaches.

2. Pillar light-buoys have been established in the following positions:

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Designation</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fl.R.3s</td>
<td>8</td>
<td>56° 32′ 23N., 20° 58′ 508E.</td>
</tr>
<tr>
<td>Fl.G.3s</td>
<td>19</td>
<td>56° 31′ 876N., 20° 57′ 206E.</td>
</tr>
<tr>
<td>Fl.R.3s</td>
<td>22</td>
<td>56° 31′ 921N., 20° 57′ 382E.</td>
</tr>
<tr>
<td>Fl.G.3s</td>
<td>17</td>
<td>56° 31′ 872N., 20° 59′ 531E.</td>
</tr>
<tr>
<td>Fl.R.3s</td>
<td>18</td>
<td>56° 31′ 760N., 20° 59′ 205E.</td>
</tr>
<tr>
<td>Fl.R.3s</td>
<td>20</td>
<td>56° 32′ 061N., 20° 59′ 688E.</td>
</tr>
</tbody>
</table>

3. The designation of existing buoyage has been amended as follows:

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Position</th>
<th>New designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fl.R.3s</td>
<td>56° 32′ 238N., 20° 58′ 508E.</td>
<td>10</td>
</tr>
<tr>
<td>Fl.R.3s</td>
<td>56° 31′ 931N., 20° 58′ 623E.</td>
<td>12</td>
</tr>
<tr>
<td>Fl.R.3s</td>
<td>56° 31′ 687N., 20° 58′ 709E.</td>
<td>14</td>
</tr>
<tr>
<td>Fl.R.3s</td>
<td>56° 31′ 565N., 20° 59′ 038E.</td>
<td>16</td>
</tr>
</tbody>
</table>

4. Buoyage has been moved as follows:

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Designation</th>
<th>Old Position</th>
<th>New Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fl.G.3s</td>
<td>5</td>
<td>56° 31′ 916N., 20° 56′ 810E.</td>
<td>56° 31′ 870N., 20° 56′ 476E</td>
</tr>
<tr>
<td>Fl.G.3s</td>
<td>15</td>
<td>56° 31′ 433N., 20° 58′ 665E.</td>
<td>56° 31′ 442N., 20° 58′ 711E</td>
</tr>
</tbody>
</table>

Update Feature Position
Delete mooring buoy 69° 04′ 25N., 33° 07′ 90E.
69° 04′ 19N., 33° 07′ 60E.
69° 04′ 14N., 33° 07′ 28E.
5. Obstructions have been removed from the following positions:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>8·4m</td>
<td>56° 32′.503N., 21° 02′.293E.</td>
</tr>
<tr>
<td>8·9m</td>
<td>56° 32′.508N., 21° 02′.354E.</td>
</tr>
<tr>
<td>8·9m</td>
<td>56° 32′.595N., 21° 02′.222E.</td>
</tr>
<tr>
<td>9·8m</td>
<td>56° 32′.238N., 20° 58′.045E.</td>
</tr>
<tr>
<td>10·4m</td>
<td>56° 31′.627N., 20° 58′.705E.</td>
</tr>
<tr>
<td>5·1m</td>
<td>56° 32′.935N., 20° 57′.109E.</td>
</tr>
<tr>
<td>2·5m</td>
<td>56° 32′.462N., 21° 01′.765E.</td>
</tr>
<tr>
<td>5·6m</td>
<td>56° 31′.462N., 20° 56′.595E.</td>
</tr>
</tbody>
</table>

6. Obstructions exist in the following positions:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>11·2m</td>
<td>56° 32′.515N., 21° 02′.535E.</td>
</tr>
<tr>
<td>11·5m</td>
<td>56° 32′.532N., 21° 02′.536E.</td>
</tr>
<tr>
<td>6·8m</td>
<td>56° 32′.547N., 21° 02′.633E.</td>
</tr>
<tr>
<td>6·5m</td>
<td>56° 32′.541N., 21° 02′.665E.</td>
</tr>
<tr>
<td>9·9m</td>
<td>56° 32′.483N., 21° 02′.617E.</td>
</tr>
<tr>
<td>9·3m</td>
<td>56° 32′.480N., 21° 02′.658E.</td>
</tr>
<tr>
<td>8·7m</td>
<td>56° 32′.469N., 21° 02′.692E.</td>
</tr>
</tbody>
</table>

7. Numerous depths less than charted exist within Liepāja and its approaches. The most significant depths are as follows:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>5·1m</td>
<td>56° 32′.925N., 20° 58′.230E.</td>
</tr>
<tr>
<td>6m</td>
<td>56° 32′.747N., 21° 00′.104E.</td>
</tr>
<tr>
<td>7·8m</td>
<td>56° 32′.622N., 21° 00′.947E.</td>
</tr>
<tr>
<td>7·3m</td>
<td>56° 32′.578N., 21° 01′.159E.</td>
</tr>
<tr>
<td>8·1m</td>
<td>56° 32′.441N., 21° 02′.712E.</td>
</tr>
<tr>
<td>3·1m</td>
<td>56° 30′.921N., 21° 00′.238E.</td>
</tr>
<tr>
<td>5·6m</td>
<td>56° 30′.881N., 21° 00′.196E.</td>
</tr>
</tbody>
</table>

8. *Numerous alongside depths less than charted exist within Liepāja. The most significant are as follows:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>5·7m</td>
<td>56° 31′.326N., 20° 59′.351E.</td>
</tr>
<tr>
<td>7·4m</td>
<td>56° 31′.662N., 20° 59′.581E.</td>
</tr>
<tr>
<td>8·5m</td>
<td>56° 31′.918N., 20° 59′.767E.</td>
</tr>
<tr>
<td>4·2m</td>
<td>56° 32′.576N., 21° 02′.328E.</td>
</tr>
<tr>
<td>3·7m</td>
<td>56° 32′.559N., 21° 02′.627E.</td>
</tr>
</tbody>
</table>

9. *An underwater rock, depth 5·1m, exists in position 56° 30′.999N., 20° 58′.165E.
10. An underwater rock, depth 10·1m, has been removed from position 56° 32′.069N., 20° 57′.285E.
11. A wreck, depth 7·4m, exists in position 56° 33′.263N., 20° 58′.227E.
12. A wreck, depth 2·7m, has been removed from position 56° 32′.434N., 21° 02′.235E.
13. These changes will be included in the next New Edition of Chart 2289 to be published late 2016, the next New Edition of Chart 2289 and by Notice to Mariners for Charts 2231 and 2288.
*Indicates new or revised entry
14. Former Notice 4796(P)/16 is cancelled (WGS84 Datum)

Charts affected - 2231 (INT 1277) - 2288 - 2289 (INT 1165) - 2292 (INT 1166)
4990(T)/16    SWEDEN - East Coast - Nynäshamn NE and Gunnarstenarna E - Spoil ground.

Source: Swedish Notice 615/11510(T)/16

1. A spoil ground has been established, in connection with new port development work at Norvikudden (58° 56’-40N., 17° 58’-60E.), within an area bounded by the following positions:

   58° 47’-0N., 18° 07’-4E.
   58° 46’-8N., 18° 10’-0E.
   58° 45’-2N., 18° 09’-3E.
   58° 45’-3N., 18° 07’-6E.

2. Mariners are advised to navigate with caution in the area.
   (WGS84 Datum)

Charts affected - 837 (INT 1232) - 872 (INT 1766) - 2362

4987(P)/16    NORTH SEA - Netherlands Sector - Dogger Tail End - Obstructions.

Source: Netherlands Notice 36/342(P)/16

1. Obstructions exist in the following positions:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 m</td>
<td>55° 27’-01N., 3° 54’-67E.</td>
</tr>
<tr>
<td>31 m</td>
<td>55° 26’-11N., 3° 51’-16E.</td>
</tr>
</tbody>
</table>

(WGS84 Datum)

Charts affected - 267 - 1422 (INT 1044) - 1423 (INT 1045)


Source: French Notice 16/1(P)/16

1. A new oil berth is under construction in the Port of Tanger MED 1.
2. A restricted area, entry prohibited, has been established, marked by two lit buoys, Q.R., in the following positions:

   35° 53’-74N., 5° 30’-01W.
   35° 53’-83N., 5° 29’-88W.

3. Mariners are advised to navigate with caution in the area.
4. Charts 141 and 8092 will be updated when full details become available.
5. Former Notice 2695(P)/16 is cancelled
   (WGS84 Datum)

Charts affected - 141 (INT 1972) - 8092
4959(P)/16 MOROCCO - North Coast - Port Approach Guide Tanger- Méditerranée - Dredged depths. Dredging areas.

Source: French Notice 34/131/16

1. Significant changes to depths exist within the approaches to Tanger. The most significant are as follows:

<table>
<thead>
<tr>
<th>Update</th>
<th>Feature</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insert</td>
<td>limit of dredged area, pecked line, joining:</td>
<td>35° 53´·74N., 5° 29´·45W. (shore)</td>
</tr>
<tr>
<td></td>
<td>35° 53´·77N., 5° 29´·50W.</td>
<td>35° 53´·84N., 5° 29´·55W. (existing limit)</td>
</tr>
<tr>
<td></td>
<td>and</td>
<td></td>
</tr>
<tr>
<td></td>
<td>35° 53´·38N., 5° 29´·86W. (shore)</td>
<td>35° 53´·49N., 5° 30´·00W. (existing limit)</td>
</tr>
<tr>
<td>Amend</td>
<td>dredged depth, 16m, centred on:</td>
<td>35° 53´·84N., 5° 29´·41W.</td>
</tr>
<tr>
<td></td>
<td>35° 53´·36N., 5° 29´·95W.</td>
<td>35° 53´·36N., 5° 29´·95W.</td>
</tr>
<tr>
<td>Delete</td>
<td>dredged depth, 18m, centred on:</td>
<td>(a) 35° 53´·70N., 5° 29´·56W.</td>
</tr>
<tr>
<td></td>
<td>35° 53´·45N., 5° 29´·86W.</td>
<td>(b) 35° 53´·45N., 5° 29´·86W.</td>
</tr>
<tr>
<td></td>
<td>Amend legend to, Dredged to 19m, centred on:</td>
<td>35° 53´·99N., 5° 29´·50W.</td>
</tr>
<tr>
<td></td>
<td>dredged depth to, 19m, centred on:</td>
<td>35° 53´·64N., 5° 29´·84W.</td>
</tr>
<tr>
<td></td>
<td>dredged depth, 16m, close NE of:</td>
<td>(a) above</td>
</tr>
<tr>
<td></td>
<td>dredged depth, 16m, close SW of:</td>
<td>(b) above</td>
</tr>
</tbody>
</table>

Chart affected - 8092


Source: French Chart 1701 & French Notice 27/134/16

1. Significant changes to depths exist within the approaches to Tanger. The most significant are as follows:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>6·5m</td>
<td>35° 50´·91N., 5° 42´·13W.</td>
</tr>
<tr>
<td>308m</td>
<td>35° 51´·82N., 5° 54´·18W.</td>
</tr>
<tr>
<td>5·1m</td>
<td>35° 49´·61N., 5° 45´·22W.</td>
</tr>
<tr>
<td>3·6m</td>
<td>35° 48´·22N., 5° 45´·50W.</td>
</tr>
<tr>
<td>44m</td>
<td>35° 52´·99N., 5° 45´·19W.</td>
</tr>
<tr>
<td>273m</td>
<td>35° 51´·97N., 5° 52´·86W.</td>
</tr>
<tr>
<td>8·7m</td>
<td>35° 47´·39N., 5° 47´·79W.</td>
</tr>
<tr>
<td>5·5m</td>
<td>35° 47´·64N., 5° 46´·07W.</td>
</tr>
<tr>
<td>18m</td>
<td>35° 48´·34N., 5° 46´·50W.</td>
</tr>
</tbody>
</table>

2. Obstructions exist in the following positions:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>9·3m</td>
<td>35° 47´·01N., 5° 47´·38W.</td>
</tr>
<tr>
<td>25m</td>
<td>35° 48´·41N., 5° 49´·86W.</td>
</tr>
</tbody>
</table>
3. New anchorage areas have been established and are bounded by the following positions:

   No 1
   35° 48′.80N., 5° 50′.12W.
   35° 48′.80N., 5° 48′.39W.
   35° 48′.11N., 5° 48′.58W.
   35° 48′.11N., 5° 50′.12W.

   No 2
   35° 48′.80N., 5° 48′.13W.
   35° 48′.80N., 5° 47′.43W.
   35° 48′.11N., 5° 47′.43W.
   35° 48′.11N., 5° 48′.31W.

   No 3
   35° 47′.28N., 5° 47′.07W.
   35° 47′.13N., 5° 46′.98W.
   35° 46′.98N., 5° 47′.17W.
   35° 47′.05N., 5° 47′.47W.

4. The former anchorage areas bounded by the following positions, no longer exist:

   35° 48′.42N., 5° 50′.07W.
   35° 48′.52N., 5° 47′.90W.
   35° 47′.72N., 5° 47′.70W.
   35° 47′.92N., 5° 50′.07W.

   and

   35° 47′.23N., 5° 47′.18W.
   35° 47′.02N., 5° 47′.17W.
   35° 47′.15N., 5° 47′.80W.
   35° 47′.24N., 5° 47′.80W.

5. A restricted area in which anchoring is prohibited has been established, bounded by the following positions:

   35° 47′.41N., 5° 48′.76W. (shore)
   35° 48′.80N., 5° 48′.39W.
   35° 48′.80N., 5° 48′.13W.
   35° 47′.41N., 5° 48′.49W. (shore)

6. A turning basin, with a diameter of 760m, has been established in position 35° 47′.30N., 5° 47′.36W.

7. Light-buoy, Fl(2)10s, has been moved from position 35° 47′.60N., 5° 47′.00W. to position 35° 47′.60N., 5° 47′.05W.

8. The former pilot boarding area bounded by the following positions no longer exist:

   35° 48′.52N., 5° 47′.87W.
   35° 48′.62N., 5° 46′.07W.
   35° 47′.72N., 5° 47′.07W.
   35° 47′.72N., 5° 47′.67W.

9. The pilot boarding place has been moved from position 35° 48′.17N., 5° 47′.18W. to position 35° 48′.42N., 5° 46′.85W.

10. Mariners are advised to navigate with caution in the area and consult the local authorities for the latest information.

   (WGS84 Datum)

Charts affected - 142 - 773 - 1912
5013(P)/16  ITALY - West Coast - Port Approach Guide Napoli (Naples) - Floating dock.

Source: Italian Notice 17.8/16

1. **Update**  
   **Feature**: floating dock, centred on:  
   **Position**: 40° 50’ 420N., 14° 16’ 050E.

Chart affected - 8235

4945(P)/16  UNITED ARAB EMIRATES - Port of Fujairah (Fujayrah) - Two-way route.

Source: Port of Fujairah Notice 212/16

1. With immediate effect, the recommended direction of traffic flow to the Port of Fujairah (Fujayrah) (25° 10’ 87N., 56° 21’ 31E.) has reversed and now follows normal convention with vessels passing on the port side.
2. Mariners are advised to navigate with caution and consult the port authority for the latest information.
3. These changes will be included in New Editions of 3709, 3723 and 3520 to be published in October 2016. (WGS84 Datum)

Charts affected - 3520 (INT 7200) - 3709 - 3723 - 8101

4948(P)/16  CHINA - Yellow Sea Coast - Port Approach Guide Lianyungang Eastern Part - Buoyage.

Source: Chinese Notice 33/1461/16

1. **Update**  
   **Feature**: starboard lateral pillar light-buoy, No 43-1  
   **Position**: 34° 44’ 727N., 119° 28’ 412E.

   **Update**  
   **Feature**: starboard lateral pillar light-buoy, No 43  
   **Position**: 34° 44’ 625N., 119° 28’ 715E.

Chart affected - 8170


Source: Chinese Chart 11700 and Chinese Notices 47/1815-1816/15

1. Numerous changes to the northern fairway, including buoyage, have taken place in Huanghua Gang and the approaches.
   Significant changes include the following:
   a) The designations of all existing buoyage within the northern fairway have changed.
   b) The beacon in position 38° 25’ 32N.117° 59’ 83E. has been removed.
   c) Special purpose buoys, Mo(C)Y.15s, exist between positions 38° 27’ 70N.118° 05’ 11E. and 38° 25’ 34N.117° 59’ 69E.

2. Mariners are advised to navigate with caution in the area.
II

4995(P)/16  CHINA - Bo Hai - Huanghua Gang - Buoyage. Beacon. (continued)
3. Charts will be updated when full details are available.

4. Former Notice 6613(P)/15 is cancelled.

(WGS84 Datum)

Charts affected - 1250 - 8141 - 8145


Source: Chinese Chart 14131 and Chinese Notice 33/1467/16
1. Numerous depths less than charted exist in the vicinity of Songxia Gang. The most significant are as follows:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>4·2m</td>
<td>25° 41´71N., 119° 42´30E.</td>
</tr>
<tr>
<td>4·9m</td>
<td>25° 41´81N., 119° 42´24E.</td>
</tr>
<tr>
<td>2·8m</td>
<td>25° 40´36N., 119° 38´58E.</td>
</tr>
<tr>
<td>5·0m</td>
<td>25° 39´90N., 119° 38´17E.</td>
</tr>
<tr>
<td>2·0m</td>
<td>25° 42´05N., 119° 42´92E.</td>
</tr>
<tr>
<td>4·2m</td>
<td>25° 41´87N., 119° 40´23E.</td>
</tr>
<tr>
<td>7·6m</td>
<td>25° 40´25N., 119° 43´32E.</td>
</tr>
<tr>
<td>7·7m</td>
<td>25° 40´81N., 119° 42´46E.</td>
</tr>
<tr>
<td>4·1m</td>
<td>25° 40´11N., 119° 41´27E.</td>
</tr>
<tr>
<td>6·3m</td>
<td>25° 40´71N., 119° 42´22E.</td>
</tr>
<tr>
<td>7·8m</td>
<td>25° 40´53N., 119° 42´76E.</td>
</tr>
<tr>
<td>8·2m</td>
<td>25° 39´98N., 119° 35´08E.</td>
</tr>
<tr>
<td>9·8m</td>
<td>25° 41´23N., 119° 36´44E.</td>
</tr>
<tr>
<td>6·1m</td>
<td>25° 40´53N., 119° 42´13E.</td>
</tr>
<tr>
<td>2·0m</td>
<td>25° 40´14N., 119° 38´16E.</td>
</tr>
<tr>
<td>18·7m</td>
<td>25° 40´47N., 119° 35´54E.</td>
</tr>
<tr>
<td>8·8m</td>
<td>25° 41´31N., 119° 36´52E.</td>
</tr>
<tr>
<td>4·3m</td>
<td>25° 40´07N., 119° 38´26E.</td>
</tr>
</tbody>
</table>

2. The wreck, depth 6m, and it’s associated V-AIS no longer exists at 25° 41´64N., 119° 38´44E.
3. The underwater rock no longer exists at 25° 41´09N., 119° 36´00E.
4. Lateral light-buoys have been established in the following positions:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Buoy type</th>
<th>Characteristic</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>(301)</td>
<td>Starboard-hand pillar</td>
<td>Fl.G.4s</td>
<td>25° 43´11N., 119° 42´78E.</td>
</tr>
<tr>
<td>(304)</td>
<td>Port-hand pillar</td>
<td>Fl.R.4s</td>
<td>25° 41´69N., 119° 41´90E.</td>
</tr>
<tr>
<td>(305)</td>
<td>Starboard-hand pillar</td>
<td>Q.G</td>
<td>25° 40´00N., 119° 40´43E.</td>
</tr>
<tr>
<td>(306)</td>
<td>Port-hand pillar</td>
<td>Fl(2)R.6s</td>
<td>25° 40´26N., 119° 40´83E.</td>
</tr>
</tbody>
</table>

5. An Automatic Identification System, AIS, exists at light-buoy (305).
6. These changes have been included in New Edition of chart 2419, to be published on 6th October 2016 and will be included in the next New Edition of chart 2413.

(WGS84 Datum)

Chart affected - 2413
II


Source: Chinese Chart 15374

1. Numerous changes to depths have taken place in Huizhou Gang, the most significant of which are as follows:

<table>
<thead>
<tr>
<th>Depth (metres)</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>22° 38’78N., 114° 35’81E.</td>
</tr>
<tr>
<td>7</td>
<td>22° 39’28N., 114° 36’21E.</td>
</tr>
<tr>
<td>12.3</td>
<td>22° 40’06N., 114° 39’27E.</td>
</tr>
<tr>
<td>11.1</td>
<td>22° 40’16N., 114° 39’24E.</td>
</tr>
<tr>
<td>1.9</td>
<td>22° 41’58N., 114° 35’05E.</td>
</tr>
<tr>
<td>10.5</td>
<td>22° 41’52N., 114° 33’93E.</td>
</tr>
<tr>
<td>14.6</td>
<td>22° 41’73N., 114° 33’08E.</td>
</tr>
<tr>
<td>4.6</td>
<td>22° 44’57N., 114° 38’72E.</td>
</tr>
<tr>
<td>0.3</td>
<td>22° 44’10N., 114° 35’36E.</td>
</tr>
</tbody>
</table>

2. Depths of up to 2m less than charted exist on and in the vicinity of a line joining positions 22° 44’12N., 114° 38’61E. and 22° 44’06N., 114° 38’09E.

3. The wharf at Donglian Zuoyequ has been extended between positions 22° 45’24N., 114° 38’28E. and 22° 45’07N., 114° 37’85E.

4. Mariners are advised to navigate with caution in these areas.

5. These and other changes will be included in the next New Edition of Chart 345.

(CGCS 2000 Datum)

Chart affected - 345

4925(T)/16 JAPAN - Honshü - Higashi Ku - Depths.

Source: Japanese Notice 37/559/16

1. Depths of 0.5m to 0.9m less than charted exist on and in the vicinity of a line joining the following positions:

- 38° 00’ 21-0”N., 139° 14’ 00-9”E.
- 38° 00’ 13-4”N., 139° 13’ 56-1”E.

2. *Depths of 0.6m to 3.2m less than charted exist on and in the vicinity of a line joining the following positions:

- 38° 00’ 04-4”N., 139° 13’ 36-4”E.
- 38° 00’ 02-6”N., 139° 13’ 39-9”E.

3. Depths of 0.5m to 1.6m less than charted exist on and in the vicinity of a line joining the following positions:

- 38° 00’ 16-3”N., 139° 13’ 21-1”E.
- 38° 00’ 09-7”N., 139° 13’ 16-8”E.

4. Depths of 0.5m to 1.4m less than charted exist on and in the vicinity of a line joining the following positions:

- 37° 59’ 54-9”N., 139° 13’ 35-0”E.
- 37° 59’ 51-8”N., 139° 13’ 36-2”E.

5. Depths of 0.5m to 2.0m less than charted exist on and in the vicinity of a line joining the following positions:

- 37° 58’ 08-1”N., 139° 13’ 51-1”E.
- 37° 58’ 06-7”N., 139° 13’ 52-3”E.
II

4925(T)/16 JAPAN - Honshū - Higashi Ku - Depths. (continued)

6. Depths less than charted exist in the following positions:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.3m</td>
<td>38° 00' 09.3&quot;N., 139° 13' 51.2&quot;E.</td>
</tr>
<tr>
<td>11.9m</td>
<td>37° 58' 48.6&quot;N., 139° 13' 48.9&quot;E.</td>
</tr>
<tr>
<td>9.2m</td>
<td>37° 58' 11.2&quot;N., 139° 13' 49.9&quot;E.</td>
</tr>
</tbody>
</table>

*Indicates new or revised entry

7. Former Notice 2703(T)/16 is cancelled.

(WGS84 Datum)

Chart affected - JP 1155B

4926(T)/16 JAPAN - Honshū - Tokyo Ku - Section 2 - Depths.

Source: Japanese Notice 37/5545(T)/16

1. Depths less than charted exist in the following positions:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.9m</td>
<td>35° 39' 18.8&quot;N., 139° 46' 13.0&quot;E.</td>
</tr>
<tr>
<td>2.8m</td>
<td>35° 39' 07.1&quot;N., 139° 45' 42.0&quot;E.</td>
</tr>
<tr>
<td>4.8m</td>
<td>35° 38' 59.3&quot;N., 139° 46' 09.7&quot;E.</td>
</tr>
<tr>
<td>6.1m</td>
<td>35° 38' 44.3&quot;N., 139° 46' 16.6&quot;E.</td>
</tr>
<tr>
<td>0.9m</td>
<td>35° 38' 33.5&quot;N., 139° 45' 15.6&quot;E.</td>
</tr>
<tr>
<td>7.4m</td>
<td>35° 38' 09.2&quot;N., 139° 45' 34.4&quot;E.</td>
</tr>
<tr>
<td>5.8m</td>
<td>35° 38' 06.1&quot;N., 139° 46' 00.4&quot;E.</td>
</tr>
<tr>
<td>3.9m</td>
<td>35° 38' 03.8&quot;N., 139° 46' 12.7&quot;E.</td>
</tr>
<tr>
<td>3.3m</td>
<td>35° 38' 01.5&quot;N., 139° 45' 25.4&quot;E.</td>
</tr>
<tr>
<td>4.7m</td>
<td>35° 37' 52.3&quot;N., 139° 45' 55.8&quot;E.</td>
</tr>
<tr>
<td>9.6m</td>
<td>35° 37' 42.0&quot;N., 139° 45' 51.8&quot;E.</td>
</tr>
</tbody>
</table>

2. Depths of 0.5m to 2.5m less than charted exist on, and in the vicinity of, a line joining the following positions:

35° 39' 57.4"N., 139° 47' 18.8"E.
35° 39' 36.8"N., 139° 47' 21.6"E.

3. Depths of 0.5m to 2.5m less than charted exist within areas bounded by the following positions:

35° 39' 25.6"N., 139° 47' 23.0"E.
35° 39' 15.2"N., 139° 47' 26.2"E.
35° 39' 05.0"N., 139° 47' 23.3"E.
35° 38' 52.7"N., 139° 46' 59.7"E.
35° 39' 01.9"N., 139° 46' 51.7"E.
35° 39' 22.9"N., 139° 47' 21.4"E.
and
35° 38' 58.4"N., 139° 46' 48.6"E.
35° 38' 49.5"N., 139° 46' 57.5"E.
35° 38' 31.8"N., 139° 46' 30.8"E.
35° 38' 34.3"N., 139° 46' 27.8"E.
35° 38' 38.1"N., 139° 46' 29.7"E.
35° 38' 52.2"N., 139° 46' 47.7"E.
35° 38' 56.3"N., 139° 46' 45.8"E.

(WGS84 Datum)
II

4926(T)/16  JAPAN - Honshū - Tokyo Ku - Section 2 - Depths. (continued)

4. Depths of up to 0·5m less than charted exist on, and in the vicinity of, lines joining the following positions:

35° 38´ 55·3"N., 139° 46´ 41·1"E.
35° 38´ 53·2"N., 139° 46´ 39·7"E.
and
35° 38´ 42·4"N., 139° 46´ 18·3"E.
35° 38´ 41·3"N., 139° 46´ 23·9"E.
and
35° 38´ 34·9"N., 139° 46´ 12·7"E.
35° 38´ 29·9"N., 139° 46´ 05·6"E.
35° 38´ 21·7"N., 139° 45´ 51·8"E.
and
35° 38´ 34·6"N., 139° 45´ 56·5"E.
35° 38´ 29·6"N., 139° 45´ 55·3"E.
and
35° 37´ 22·3"N., 139° 45´ 56·6"E.
35° 37´ 16·5"N., 139° 45´ 57·2"E.

5. Depths of 1·0m to 1·5m less than charted exist on, and in the vicinity of, lines joining the following positions:

35° 38´ 29·8"N., 139° 46´ 31·7"E.
35° 38´ 17·9"N., 139° 46´ 41·2"E.
and
35° 37´ 54·2"N., 139° 46´ 06·7"E.
35° 37´ 41·2"N., 139° 45´ 56·3"E.
and
35° 37´ 48·3"N., 139° 45´ 11·4"E.
35° 37´ 35·7"N., 139° 45´ 10·5"E.
and
35° 37´ 06·6"N., 139° 45´ 14·9"E.
35° 37´ 06·5"N., 139° 45´ 28·2"E.

6. Depths of 0·5m to 2·0m less than charted exist on, and in the vicinity of, a line joining the following positions:

35° 37´ 21·5"N., 139° 45´ 10·7"E.
35° 36´ 54·7"N., 139° 45´ 08·7"E.

7. Former Notice 3035(T)/16 is cancelled.
(WGS84 Datum)

Chart affected - JP 1065

4927(T)/16  JAPAN - Honshū - Nagoya Ko - Depths.

Source: Japanese Notice 37/5545/16

1. Depths of 0·3m to 1·8m less than charted exist on and in the vicinity of a line joining the following positions:

35° 02´ 41·9"N., 136° 50´ 52·5"E.
35° 02´ 44·3"N., 136° 50´ 49·9"E.

2. A depth of 1·8m less than charted exists in the vicinity of position 35° 00´ 47"N., 136° 52´ 21"E.
(WGS84 Datum)

Chart affected - JP 1055A
4928(T)/16  JAPAN - Seto Naikai - Kokura Ku - Dredging area.

Source: Japanese Notice 37/5546(T)/16

1. Dredging works are taking place, until 30 November 2016, within an area bounded by the following positions:

   33° 54’ 49”N., 130° 51’ 55”E.
   33° 54’ 51”N., 130° 51’ 54”E.
   33° 54’ 56”N., 130° 52’ 05”E.
   33° 54’ 53”N., 130° 52’ 07”E.

(WGS84 Datum)


4929(T)/16  JAPAN - Seto Naikai - Kanmon Passage - Works.

Source: Japanese Notice 37/5547(T)/16

1. Magnetic survey works are taking place, until 11 November 2016, within the areas bounded by the following positions:

   33° 56’ 02”3”N., 130° 53’ 00”8”E.
   33° 55’ 59”1”N., 130° 52’ 56”1”E.
   33° 56’ 14”5”N., 130° 52’ 41”1”E.
   33° 56’ 17”7”N., 130° 52’ 45”9”E.
   and
   33° 55’ 47”1”N., 130° 53’ 03”6”E.
   33° 55’ 36”1”N., 130° 53’ 14”3”E.
   33° 56’ 29”1”N., 130° 53’ 03”8”E.
   33° 55’ 40”0”N., 130° 52’ 53”1”E.

(WGS84 Datum)


4992(T)/16  RUSSIA - Pacific Ocean Coast - Gulf of Tartary - Scientific instruments.

Source: Russian Notice 36/4872(T)/16

1. Seafloor moored scientific instruments have been established in the following positions:

<table>
<thead>
<tr>
<th>Position</th>
<th>Depth below the surface</th>
</tr>
</thead>
<tbody>
<tr>
<td>51° 28’7”N., 140° 52’8”E.</td>
<td>17.7m</td>
</tr>
<tr>
<td>51° 24’8”N., 140° 54’6”E.</td>
<td>32m</td>
</tr>
</tbody>
</table>

(Undetermined Datum)

Chart affected - 3340
1. Artificial reefs have been established within areas bounded by the following positions:

- 9° 26´-62N., 75° 47´-31W.
- 9° 26´-44N., 75° 46´-26W.
- 9° 26´-12N., 75° 45´-27W.
- 9° 25´-57N., 75° 45´-66W.
- 9° 25´-29N., 75° 46´-75W.
- 9° 26´-03N., 75° 46´-94W.
- 9° 26´-54N., 75° 47´-37W.

and

- 9° 25´-93N., 75° 40´-50W.
- 9° 26´-61N., 75° 41´-14W.
- 9° 27´-34N., 75° 41´-97W.
- 9° 27´-50N., 75° 42´-11W.
- 9° 27´-83N., 75° 41´-42W.
- 9° 27´-89N., 75° 40´-61W.
- 9° 27´-69N., 75° 39´-33W.
- 9° 27´-46N., 75° 39´-23W.
- 9° 27´-22N., 75° 38´-75W.
- 9° 26´-06N., 75° 40´-08W.

and

- 9° 33´-51N., 75° 37´-04W.
- 9° 33´-57N., 75° 36´-96W.
- 9° 33´-28N., 75° 35´-68W.
- 9° 33´-25N., 75° 35´-65W.
- 9° 32´-75N., 75° 36´-02W.
- 9° 32´-11N., 75° 36´-03W.
- 9° 31´-48N., 75° 36´-08W.
- 9° 31´-46N., 75° 36´-09W.
- 9° 31´-53N., 75° 36´-97W.
- 9° 31´-58N., 75° 37´-37W.
- 9° 31´-99N., 75° 37´-39W.
- 9° 32´-70N., 75° 36´-64W.

2. Artificial reefs have been established in the following positions:

- 9° 27´-29N., 75° 44´-18W.
- 9° 35´-92N., 75° 36´-64W.
- 9° 35´-39N., 75° 36´-52W.
- 9° 35´-09N., 75° 36´-94W.
- 9° 34´-66N., 75° 36´-32W.

3. The artificial reef centred on position 9° 28´-07N., 75° 39´-67W. has been removed.

4. These changes will be included in a New Edition of Chart 1277 to be published in late 2016.

(WGS84 Datum)

Chart affected - 1277
To accompany  Notice to Mariners 4952/16

On Chart  3095

CHANNEL DEPTHS (see Note)

<table>
<thead>
<tr>
<th>NAME OF CHANNEL</th>
<th>LEFT OUTSIDE QUARTER</th>
<th>MIDDLE OUTSIDE QUARTER</th>
<th>RIGHT OUTSIDE QUARTER</th>
<th>DATE OF SURVEY</th>
<th>WIDTH (FEET)</th>
<th>LENGTH (MILES)</th>
<th>DEPTH (FEET)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTRANCE RANGE</td>
<td>36 38 39</td>
<td></td>
<td>5-16</td>
<td></td>
<td>1.9</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>ENTRANCE RANGE AND TURN</td>
<td>38 44 35</td>
<td>4-16</td>
<td>300</td>
<td>0.8</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COOS BAY INSIDE RANGE</td>
<td>38 38 37</td>
<td>4-16</td>
<td>300</td>
<td>0.8</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COOS BAY RANGE</td>
<td>35 37 34</td>
<td>4-16</td>
<td>300</td>
<td>0.9</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMPIRE RANGE</td>
<td>36 37 30</td>
<td>2-16</td>
<td>300-800</td>
<td>2.3</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOWER JARVIS RANGE</td>
<td>33 37 21</td>
<td>5-16</td>
<td>300-800</td>
<td>1.1</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JARVIS TURN RANGE</td>
<td>39 40 35</td>
<td>5-16</td>
<td>300</td>
<td>0.6</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UPPER JARVIS RANGE A</td>
<td>38 38 37</td>
<td>5-16</td>
<td>300</td>
<td>1.0</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UPPER JARVIS RANGE B</td>
<td>34 37 37</td>
<td>3-16</td>
<td>400</td>
<td>1.4</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NORTH BEND LOWER RANGE</td>
<td>35 39 35</td>
<td>3-16</td>
<td>400</td>
<td>0.4</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RANGE AND TURN</td>
<td>34 38 35</td>
<td>3-16</td>
<td>500</td>
<td>0.4</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NORTH BEND RANGE</td>
<td>34 38 36</td>
<td>4-16</td>
<td>400</td>
<td>1.1</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NORTH BEND UPPER RANGES</td>
<td>34 37 37</td>
<td>4-16</td>
<td>400</td>
<td>0.8</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOWER TURNING BASIN</td>
<td>18 29 24</td>
<td>4-16</td>
<td>800</td>
<td>0.5</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FERNDALE LOWER RANGE</td>
<td>32 37 34</td>
<td>3-16</td>
<td>400</td>
<td>0.4</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FERNDALE TURN</td>
<td>20 33 36</td>
<td>3-16</td>
<td>400</td>
<td>0.1</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FERNDALE UPPER RANGE</td>
<td>8 27 23</td>
<td>3-16</td>
<td>400</td>
<td>0.9</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MARSHFIELD RANGE</td>
<td>29 27 18</td>
<td>3-16</td>
<td>400</td>
<td>0.4</td>
<td>37</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MARSHFIELD RANGE TO Isthmus Slough</td>
<td>19 18 25</td>
<td>3-16</td>
<td>400-600</td>
<td>0.9</td>
<td>37</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

To accompany  Notice to Mariners 4953/2016

On Chart  2467

POSITIONS

Positions on chart 2467 differ from those on other charts of this area by varying amounts: positions should be transferred by bearing and distance from common charted objects, not by latitude and longitude.

To accompany  Notice to Mariners 4953/2016

On Chart  3249

POSITIONS

Positions on chart 3249 differ from those on other charts of this area by varying amounts: positions should be transferred by bearing and distance from common charted objects, not by latitude and longitude.

Wk40/16
WEATHER ANCHORAGE
(46°04' 5N 1°15' 0W)
This anchorage area is reserved for vessels in case of special weather conditions.

HISTORIC WRECKS
The sites of historic wrecks are protected from unauthorised interference.
To accompany Notice to Mariners 4916/16. Image Size (mm) 61.3 by 85.4
To accompany Notice to Mariners 4917/16. Image Size (mm) 62.9 by 60.7
To accompany Notice to Mariners 4918/16. Image Size (mm) 71.3 by 68.9

Block for Chart No JP1112A
To accompany Notice to Mariners 4930/16. Image Size (mm) 85.3 by 189.7
To accompany Notice to Mariners 4936/16. Image Size (mm) 67.8 by 66.1
To accompany Notice to Mariners 4937/16. Image Size (mm) 161.44 by 120.33
To accompany Notice to Mariners 4941/16. Image Size (mm) 46.2 by 55.7

Block for Chart No 1174
To accompany Notice to Mariners 4942/16. Image Size (mm) 92.1 by 93.8
To accompany Notice to Mariners 4943/16. Image Size (mm) 88.5 by 96.
NAVIGATIONAL WARNINGS
See The Mariner’s Handbook (2015 Edition). It is recommended that the warnings reprinted below should be kept in a file or book, followed by subsequent weekly reprints. Only the most convenient Admiralty Chart is quoted. All warnings issued within the previous 42 days are broadcast via SafetyNET and/or NAVTEX.

The complete texts of all in-force NAVAREA I warnings, including those which are no longer being broadcast, are available from www.admiralty.co.uk/RNW. Additionally, a quarterly cumulative list of the complete text of all in-force NAVAREA I Warnings is included in Section III of the Weekly NM Bulletin in Weeks 1, 13, 26 and 39 each year. Alternatively, these may be requested by e-mail from NAVAREA I Co-ordinator at: navwarnings@btconnect.com.

The RNW web page also contains a link to the IHO website which allows direct access to all the other NAVAREA Co-ordinators around the world who have made their NAVAREA warnings available on the web.


Navarea I (NE Atlantic) Weekly Edition 40
The following NAVAREA I warnings were in force at 260500 UTC Sept 16.

2016 series: 117 129 130 139 151 159 163 169 176 182 186 187 188 189

182 NORTH SEA, UK SECTOR. Jade Oil Field South-westward. Chart BA 272.
Racon, Morse T, established on newly installed platform FPF1 at 56-46.9N 002-06.5E.

183 Cancelled. Cancel 180/16.

184 Cancelled. Cancel 183/16.

185 Cancelled.

186 NORTH SEA, DANISH AND GERMAN SECTORS. Chart BA 1422 (INT 1044).
1. Seismic survey in progress by M/V Polarcus Asima towing 8 x 2 mile long cables within area bounded by 55-55N 004-05E, 55-12N 005-00E, 55-25N 005-40E and 56-06N 004-45E. 5 miles berth requested.
2. Cancel 158/16.

187 1. Navarea I Warnings in force at 231000 UTC Sep 16.
2. Cancel 178/16.

188 CELTIC SEA, APPROACHES TO SAINT GEORGES CHANNEL AND THE BRISTOL CHANNEL.
Chart BA 2 (INT 160).
1. Seismic survey in progress by M/V WG Magellan towing single 5 mile long cable within area bounded by: 49-43.0N 008-55.0W, 49-43.0N 008-15.0W, 50-30.0N 005-20.0W, 51-27.0N 005-00.0W and 52-12.0N 006-00.0W. Two guard vessels in attendance. Wide berth requested.
2. Cancel 179/16.

189 1. RIGLIST. Correct at 260500 UTC Sep 16.
Southern North Sea: 51N to 55N
52-35.0N 004-10.6E Paragon C461
53-03.2N 002-11.3E Seafox 4 ACP Leman Gas Field
53-14.0N 003-14.5E 590021
53-15.3N 000-52.0E Atlantic Amsterdam ACP Race Bank Wind Farm
53-19.7N 002-21.8E Enso 92 ACP Victor Gas Field
53-57.7N 004-29.7E Seajacks Leviathan ACP L2-FA1 NL Sector
53-58.0N 004-27.6E Enso 122
54-12.2N 002-27.1E GMS Endurance 6101 ACP Caister Gas Field
54-34.1N 002-18.1E Seafox 2 ACP Cygnus A APU UK Sector
54-34.2N 002-17.6E Enso 102 ACP Cygnus APU UK Sector
54-36.0N 002-11.8E Enso 80 ACP Cygnus B WHP UK Sector
54-36.0N 002-11.8E Seafox 7 ACP Cygnus BWH UK Sector
III

North Sea: 55N to 60N, East of 5W
55-28.8N 005-06.6E Ensco 71 ACP Dan Oil Field
55-34.7N 004-45.6E Maersk Resilient ACP Gorm Oil Field
55-38.4N 004-53.1E Noble Sam Turner ACP Tyra Gas Field
55-46.1N 004-38.9E Seafox 5 ACP Roar Gas Field
55-52.9N 004-14.0E Ensco 121 alongside platform under construction Danish Sector
55-57.9N 002-18.2E Paragon MSS1
56-11.9N 002-45.8E Stena Spey
56-14.8N 003-57.6E Maersk Resolve ACP under construction
56-22.6N 003-15.5E Maersk Innovator ACP Eldfisk Oil Field
56-29.0N 004-54.7E Maersk Giant ACP Sør Gass Field
56-31.2N 003-13.3E Rowan Gorilla 6 ACP Ekofisk Oil Field
56-41.8N 002-20.3E COSL Rival ACP Judy Oil Field
56-46.9N 002-06.5E FPFl
56-48.4N 000-42.3E Ensco 100
56-57.6N 001-48.4E Rowan Gorilla 5 ACP Franklin Gas Field
57-00.8N 001-50.4E GSF Galaxy 1 ACP Elgin Gas Field
57-00.8N 001-50.5E Prospector 5 ACP Elgin Gas Field
57-01.9N 001-57.3E Noble Hans Deul ACP Shearwater Oil Field
57-02.4N 000-57.0E Ocean Patriot
57-57.7N 000-55.0W Ensco 120 ACP Golden Eagle Oil & Gas Field
58-07.6N 001-28.0E Byford Dolphin
58-18.1N 001-42.4W Blackford Dolphin
58-34.3N 001-41.8E Maersk Integrator ACP Gina Krog under construction
58-50.0N 002-32.9E Deepsea Atlantic
58-50.6N 002-14.9E Rowan Viking ACP Edvard Grieg under construction
59-22.4N 001-40.1E Wilphoenix
59-53.9N 001-16.9E Transocean Leader

Norwegian Sea: 60N to 65N, East of 5W
60-12.0N 003-51.7W Transocean Spitsbergen
60-22.1N 004-01.5W Deepsea Aberdeen
60-30.3N 002-00.8E Maersk Intrepid ACP Martin Linge Norwegian Sector
60-37.7N 001-39.2E Borgsten Dolphin ACP Dunbar Oil Field
60-41.9N 002-55.9E Safe Scandinavia ACP Oseberg Oil Field
60-44.3N 002-29.4W Floatel Victory ACP under construction Clair Ridge Oil Field
60-46.2N 003-36.1E COSL Promoter
60-49.8N 003-34.2E Songa Equinox
60-50.7N 003-37.6E Stena Don
60-51.2N 002-38.5E West Epsilon ACP Huldra Gas Field
61-02.3N 002-20.3E West Elara ACP Kvitebjorn Gas Field
61-13.0N 000-42.3E Ocean Guardian
61-13.3N 003-26.4E Borgland Dolphin
61-25.0N 004-04.0E Transocean Arctic
61-29.2N 002-13.3E Scarabeo 5
61-35.2N 001-18.6E Paul B Loyd Jr
64-19.0N 007-09.4E Songa Delta

South and West Coasts of the British Isles.
53-37.8N 003-10.6W Irish Sea Pioneer ACP Lennox Oil & Gas Field

NOTES:
A. Rigs are protected by a 500 metre safety zone.
B. ACP - Adjacent to Charted Platform.
C. For Rigs located North of 65N, East of 5W, refer to Navarea XIX Warnings or visit www.navarea-xix.no

2. Cancel 181/16.
Cancel 115/16 BA Chart 1503 (INT 1509) refers.
Cancel 142/16 ANM 4749/16 refers.
4.1

UPDATES TO ADMIRALTY SAILING DIRECTIONS

NP1 Africa Pilot Volume 1 (2014 Edition)

Isla de Gran Canaria – Puerto de Salinetas —

Arrival information; anchorages; lights

87

Paragraph 3.61 1 lines 1-6 Replace by:

1 Outer anchorages. Anchorage exists, in depths of about 32 m, at the intersection of two sets of lights in line as follows:

Front light (grey column with red top and white stripe) (27°58′21″N 15°22′96″W).

Rear light (red cylinder with white stripe) (25 m from front light on the alignment of 267°).

Front light (red rectangle with white stripe, on post) (27°58′52″N 15°22′61″W) close NE of Dique La Salineta Light (3.63) located on the SW corner of the harbour mole.

Rear light (red rectangle with white stripe on metal lattice tower) (1 cable from front light on the alignment of 354°5′).

Anchorage may also be obtained about 1 cable SW of the head of the mole, remaining clear of three pipelines which extend SSE from the shore, leading to three mooring buoys.

Paragraph 3.63 1 lines 3-12 Replace by:

The anchorage, port and CBM terminal can be approached using Dique La Salineta Light (27°58′52″N 15°22′61″E), located on the SW corner of the harbour mole.

2 Entry leading lights:

Front light (red rectangle with white stripe on post) (27°58′52″N 15°22′61″W), close NE of Dique La Salineta Light.

Rear light (red rectangle with white stripe on metal lattice tower) (1 cable from front light).

The alignment (354°5′) of these lights leads to the quay.

Spanish SD No 4 Amend 36/16
(SDD 2016000 216406) [40/16]


Venezuela – Puerto La Cruz —

Arrival information; pilotage

166

Paragraph 5.132 1 lines 1-5 Replace by:

1 Pilotage is compulsory and available 24 hours a day. The pilot boats in Bahía de Pozuelos. For further information see Admiralty List of Radio Signals Volume 6(7).

UKHO
(SDD 2016000 216422) [40/16]


Sweden – Drogden and Flintrännan —

General information; controlling depths

223

Paragraph 6.212 1 lines 3-8 Replace by:

Flintrännan: dredged to 8·0 m.

Swedish Notice 616/11479/16
(SDD 2016000.221533) [40/16]

NP27 Channel Pilot (2014 Edition)

England – Isles of Scilly – Crow Bar — Directions

73

Paragraph 3.36 1 lines 5-6 Replace by:

Controlling depth. There is a drying height of 0·7 m in the passage S of Crow Bar.

Local knowledge is essential.

Paragraph 3.37 2 lines 6-11 Replace by:

The alignment (254°) of Crow Rock Light Beacon (isolated danger) (49°56′26″N 6°18′49″W) with South Hill (49°55′79″N 6°21′05″W) then leads over Crow Bar towards Crow Rock, passing between the S end of the long narrow shoal that dries 0·7 m and an isolated shoal (49°56′35″N 6°17′94″W) that also dries 0·7 m.

BA883 [40/16]

England – Isles of Scilly – St Mary’s Road and approach channels — Side channels

77

Paragraph 3.55 1 Replace by:

1 Local knowledge is required.

Caution. The track of the alignment described below passes over an isolated shoal (49°56′32″N 6°21′52″W) that dries 0·9 m.

Directions. The alignment (058°), astern, of Yellow Rock (49°56′47″N 6°21′16″W) with Abbey Hill monument, 8 cables NE, leads about 2 miles SW, passing between Samson and Mincarlo (49°56′01″N 6°23′19″W) to join North West Passage SE of Steeple Rock.

BA34 [40/16]
NP28 Dover Strait Pilot (2015 Edition)

France – Dunkerque – Port Ouest — Leading lights; turning basin; depths

148

Paragraph 6.92 1 lines 1-5 Replace by:

1 Bassin de l’Atlantique Leading Lights:
  Front light (50°59’-80N 2°11’-10E).
  Rear light (2½ cables from front light).
  The alignment (164-7°) of these lights leads through a fairway marked by light buoys (lateral) from Avant-port Ouest to Bassin de l’Atlantique, passing:

149

Paragraph 6.96 1 line 1 For 16-5 m Read 18-0 m.

French Chart 7057
(SDD 2016000 218292) [40/16]


China – Hainan Dao – Yinggehai — Anchorage

242

Paragraph 7.129 1 lines 8-9 Replace by:

1 Anchorage, radius 500 m, for the power plant is centred on position 16°32’-40N 108°38’-40E; depth 15-5 to 23-5 m, mud and sand.
2 Pilotage. The pilot boards in the anchorage.
3 Quarantine. The above anchorage is also a designated quarantine area.

Chinese Notice 35/1852 and marine information/2016
(SDD 2016000 210394) [40/16]


Routes – Singapore to Hong Kong — Directions; platforms; lights

71

Paragraph 2.15 6 lines 1-4 Replace by:

6 NW of ERB West Oilfield (W platform KINDP-A) (6°21’-50N 115°18’-40E), thence:
  Clear of platforms Kebabangan (6°26’-66N 115°23’-63E) and KBB (6°36’-87N 115°21’-57E), thence:

73

Paragraph 2.49 2 lines 6-8 Replace by:

6 Fiery Cross Reef Light (white eight-sided concrete tower, 32 m in height) (9°33’-30N 112°54’-15E).
  Fiery Cross Reef SW Light (9°32’-50N 112°53’-10E).

76

Paragraph 2.80 1 lines 1-2 Replace by:

1 Fiery Cross Reef Light (9°33’-30N 112°54’-15E) (2.49).
  Fiery Cross Reef SW Light (9°32’-50N 112°53’-10E).

78

Paragraph 2.101 1 line 4 Replace by:

...40 m between them. Lights (2.49) are exhibited from...

Paragraph 2.101 2 line 2 For light Read lights

Chart 1338, Chinese Notice 27/1235/16
(SDD 2016000 170144) [40/16]

79

Paragraph 2.102 3 lines 1-2 Replace by:

3 Itu Aba Island (10°22’-50N 114°21’-83E), which is covered with scrub and trees. A light (10°22’-50N 114°21’-80E) is exhibited from the island. There are...

Chinese Notice 17/780/16
(SDD 2016000 109581) [40/16]

After Paragraph 2.108 1 line 7 Insert:

Major light:
  Subi Reef Light (lighthouse, 50 m in height) (10°56’-00N 114°06’-10E).

Chinese Notice 19/882/16
(SDD 2016000 118786) [40/16]
Sabah Oil and Gas Terminal

1. General Information. The Sabah Oil and Gas Terminal is located in Teluk Kimanis (5°39′00″N 115°46′00″E) and consists of two SPMs. 

Pilotage is compulsory. The Pilot boarding ground is at 5°44′85″N 115°48′58″E.

Anchorage for vessels waiting to access a berth can be found 7 miles E of Pulau Tiga (5°43′55″N 115°39′38″E), in depths of about 35 m.

2. SPMs are moored in the bay:

   SPM 1 (5°40′70″N 115°48′60″E); vessels with maximum length 335 m and draught 20.9 m.

   SPM 2 (5°42′60″N 115°49′30″E); vessels with maximum length 265 m and draught 14.7 m.

MT Celtic Sea
(SDD 2016000 133416) [40/16]

NP57A Norway Pilot Volume 2A
(2013 Edition)

Channels in the north east part of Austevoll —
Side channels; main route

269

Paragraph 8.51 2 lines 5–7 Replace by:

Hufthammarsundet Light (floodlit) (60°07′-65N 5°12′-46E).

Norwegian Notice 17/55952/16
(SDD 2016000 221797) [40/16]

Botnfjorden and Norddalsfjorden — Directions

471

Paragraph 11.380 1 lines 6–8 Replace by:

NE of the E point of Massøya (61°37′-43N 5°11′-98E), thence:

Paragraph 11.380 2 lines 1–3 Replace by:

SW of the W end of the islet of Haukåholmen (61°37′-53N 5°12′-88E).

Norwegian Notice 17/56009/16
(SDD 2016000 221797) [40/16]

Vågsfjorden — Directions; anchorages and harbours

504

Paragraph 12.170 1 lines 5–6 Replace by:

...Light (floodlit) (61°55′-59N 5°01′-41E) is exhibited, thence:

Paragraph 12.170 3 lines 1–2 Replace by:

SSW of Halneset (61°55′-35N 5°05′-46E), fringed by a dangerous below-water rock, thence:

NNE of Gåsholmen (61°54′-58N 5°06′-35E) is exhibited close N of the islet.

Norwegian Notice 17/55954/16
(SDD 2016000 221797) [40/16]

Paragraph 12.171 2 line 8 Replace by:

...Chart 28), from which Gjermundsfluda Light (floodlit) (61°54′-85N 5°07′-37E) is exhibited, thence:

Norwegian Notice 17/55955/16
(SDD 2016000 221797) [40/16]

Nordfjord – Gangsøya to Åsneset — Directions

505

Paragraph 12.179 1 lines 7–8 Replace by:

SE of Biskjelneset (61°53′-73N 5°10′-71E), the N entrance point of Nordfjord, which is marked by Biskjelneset Light (floodlit) (61°53′-72N 5°10′-79E), thence:

Norwegian Notice 17/55960/16
(SDD 2016000 221797) [40/16]
## UPDATES TO ADMIRALTY LIST OF LIGHTS AND FOG SIGNALS

### NP74, Vol A Edition 2016/17

**Weekly Edition No. 40, Dated 06 October 2016.**


**Wk40/16 5.1**

### A0006-5
- **Saint Mary's Sound.**
  - Woolpack Beacon (GB:TH)
  - **Position:**
    - **Latitude:** 54° 40' N
    - **Longitude:** 19° 37' W
  - **Character:** Fl G 5s

### A0080
- **Charlestown Harbour. N Breakwater**
  - **Position:**
    - **Latitude:** 51° 48' N
    - **Longitude:** 19° 37' W
  - **Character:** 2 F G(vert)

### A0080-2
- **Charlestown Harbour. S Breakwater**
  - **Position:**
    - **Latitude:** 51° 48' N
    - **Longitude:** 19° 37' W
  - **Character:** 2 F R(vert)

### A4185-5
- **Kerrera. Ferry slipway. Breakwater**
  - **Position:**
    - **Latitude:** 56° 24' N
    - **Longitude:** 31° 03' W
  - **Character:** 2 F R(vert)

### A5060
- **Liverpool Landing Stage. S end (GB:MD)**
  - **Position:**
    - **Latitude:** 53° 24' N
    - **Longitude:** 59° 92' W
  - **Character:** 3 F R

### A7871-9
- **STELLA GASFIELD**
  - **New light**
    - **Coal Pit. Northward. FPSO FPF-1 (GB)**
    - **Position:**
      - **Latitude:** 56° 46' N
      - **Longitude:** 06° 54' E
    - **Character:** Mo(U)W 15s
    - **Light:** 15 Storage tanker
    - This Storage tanker is marked by red obstruction lights

### A8167-7
- **MARINER OILFIELD**
  - **Fladen Ground. Northward. Mariner B FSU (GB)**
  - **Position:**
    - **Latitude:** 59° 36' N
    - **Longitude:** 04° 58' E
  - **Character:** Mo(U)W 15s

### TVEDESTRAND
- **B2766-6**
  - Remove from list; deleted

- **B2768**
  - Remove from list; deleted

---

**NP75, Vol B Edition 2016/17**

**Weekly Edition No. 40, Dated 06 October 2016.**


**Wk40/16**

- **TVEDESTRAND**
  - **B2766-6**
    - Remove from list; deleted

- **B2768**
  - Remove from list; deleted
| B3049-4 | Njervefjorden. Bály. E Breakwater | 58 02·27 N 7 08·86 E | Iso G 2s | 6 | 1·9 Post Floodlit |
| B3049-5 | Njervefjorden. Bály. W Breakwater | 58 02·25 N 7 08·84 E | Iso R 2s | 6 | 2 Post Floodlit |
| B3049-6 | Njervefjorden. Lamholmen W | 58 02·20 N 7 09·02 E | Iso G 4s | 11 | 2 Post Floodlit |
| B3049-8 | Njervefjorden. Nyresnes. Slettebergan | 58 01·80 N 7 08·86 E | Iso R 4s | 6 | 2·2 Post Floodlit |
| B3116 | Rasvág. Lille Hummerøy | 58 12·32 N 6 34·74 E | Oc WRG 6s | 13 | W6·1 Post R4·3 G 4 |

| C3100-161 | - S Side. Baltiyskaya Kosa. Ldg Lts 262·6°. Rear. 982m from front | 54 37·79 N 19 53·13 E | Iso W 4s | 40 | 6 Red tower, white bands 61 Vis on leading line only. Sync with front |
| C3100-175 | - Ldg Lts 136·2°. Front | 54 37·71 N 19 53·95 E | Iso G 4s | 18 | 6 Black round tower with white stripes on base 12 Vis on leading line only. Rear C 3100-176 |
| C3213 | - Frombork. Front | 54 21·54 N 19 40·68 E | F R | 12 | 4 White △ on white beacon, red bands In line with church tower |

| C3213-1 | GULF OF GDAŃSK. ZALEW WÍSLANY Remove from list; deleted |
| C3642-2 | - Triigi. Ldg Lts 228·6°. Front | 58 35·52 N 22 43·17 E | Q WG | 9 | W 6 Orange ○, black stripe, on white metal post 7 W128·6°-218·6°(90°), G218·6°-238·6°(20°). TE 2016 |
| C3720-1 | - Emmaste. Ldg Lts 089·4°. Rear. 0·58M from front | 58 41·45 N 22 34·33 E | Iso W 4s | 19 | 9 Red □ on square metal framework tower 19 Vis 2° each side of leading line. TE 2016 |
### OSMUSSAAR
- **OSMUSSAAR**
  - **C3760**
    - **EE, 425**
    - **Fl(2)W 18s**
    - **39**
    - **White round concrete tower, black bands, gallery and lantern**
    - **F W**
    - **35**

### MOHNI SAAR
- **MOHNI SAAR**
  - **C3868**
    - **EE, 100**
    - **LFI W 20s**
    - **33**
    - **Red round stone tower, balcony and lantern**
    - **F W**
    - **27**

### OSTROV MALYY
- **OSTROV MALYY**
  - **C3964**
    - **RU, 2201, 1545**
    - **LFI W 6s**
    - **37**
    - **White Tower on □, red stripe, on red 4-sided framework tower**
    - **F W**
    - **27**

### NORTH COAST. ENSENADA DE SANTA MARTA
- **D1686-1**
  - **ES, 1, 03130**
  - **Fl R 5s**
  - **11**
  - **Red round tower**
  - **F R 5s**
  - **TE 2016**

- **D1686-2**
  - **ES, 1, 3135**
  - **Fl G 5s**
  - **6**
  - **Green tower**
  - **F R 5s**
  - **TE 2016**

- **D1823**
  - **ES, 1, 04229**
  - **Q G**
  - **5**
  - **Green column on round stone base**
  - **TE 2016**

- **D1830**
  - **ES, 1, 04290**
  - **Fl(2+1)R 15s**
  - **3**
  - **Red and green post**
  - **Fl(2+1)R 15s**
  - **TE 2016**

<table>
<thead>
<tr>
<th>Light Number</th>
<th>Description</th>
<th>Coordinates</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>D2540</strong></td>
<td>Entrance Ldg Lts 102°-5°. Front</td>
<td>34°15'63&quot;N 6°40'14&quot;W</td>
<td>Dir FG 14, Green white stripes on black and white pylon 10, Intens 2°5° each side of leading line. TE 2016</td>
</tr>
<tr>
<td><strong>D2542</strong></td>
<td>N Breakwater. Head</td>
<td>34°16'03&quot;N 6°41'03&quot;W</td>
<td>Oc(2)R 9s 17, Red and white tower 9</td>
</tr>
<tr>
<td><strong>D2543</strong></td>
<td>S Breakwater. Head</td>
<td>34°15'76&quot;N 6°41'15&quot;W</td>
<td>Iso G 4s 16, White tower 10</td>
</tr>
<tr>
<td><strong>D2566</strong></td>
<td>Oukacha</td>
<td>33°36'94&quot;N 7°33'77&quot;W</td>
<td>Fl(2)W 2s 29, White square tower, red lantern 20, W110°-255°(145°)</td>
</tr>
<tr>
<td><strong>D2574</strong></td>
<td>Pointe d’el Hank</td>
<td>33°36'60&quot;N 7°39'28&quot;W</td>
<td>Fl(3)W 15s 65, White round tower (fl 0-1, ec 2-9) x 2, fl 0-1, ec 8-9</td>
</tr>
<tr>
<td><strong>D2808-5</strong></td>
<td>Bahia de Melenara. Punta de la Salinetas. LdgLt 354°-5°. Rear, 185m from front</td>
<td>27°58'61&quot;N 15°22'62&quot;W</td>
<td>Oc W 4s 15, Red and white square panel on metal lattice 12</td>
</tr>
<tr>
<td><strong>D2809</strong></td>
<td>Bahia de Melenara. Puerto de Salinetas. LdgLt 267°. Front</td>
<td>27°58'22&quot;N 15°22'96&quot;W</td>
<td>Q R 3s 14, Grey cylindrical column, red and white top 13, fl 0-3, ec 2-7. Together with leading lights on bearing 354°-5° marks anchorage</td>
</tr>
<tr>
<td><strong>D7036</strong></td>
<td>Pointe Anorombato</td>
<td>15°42'95&quot;S 46°18'01&quot;E</td>
<td>Oc(3)WRG 12s 42, White metal tower, black band and glass lantern 11, (ec 1-5, lt 1-5) x 2, ec 1-5, lt 4-5, G303°-116°(173°), W116°-122°(6°), R122°-145°(23°), W145°-167°(22°), G167°-186°(19°), W186°-213°(27°). Obscured 213°-303°(90°) by trees</td>
</tr>
<tr>
<td><strong>D7364</strong></td>
<td>Khawr al Butin. W Breakwater. Head</td>
<td>24°28'63&quot;N 54°18'00&quot;E</td>
<td>Fl W 4s . ., Beacon</td>
</tr>
<tr>
<td><strong>D7575-47</strong></td>
<td>Ra’s az Zawr</td>
<td>28°45'22&quot;N 48°25'81&quot;E</td>
<td>Fl R 2s</td>
</tr>
<tr>
<td><strong>D7575-48</strong></td>
<td>Ra’s az Zawr</td>
<td>28°45'21&quot;N 48°25'80&quot;E</td>
<td>Fl R 2s</td>
</tr>
</tbody>
</table>
E3499-2
NERETVANSKI KANAL
Remove from list; deleted

E3499-25
NERETVANSKI KANAL
- Vlaška Kanal. Oil Terminal
43 01-76 N 17 25.23 E
Fl Y 2s 5 2 Yellow Post fl 0·5

E3499-4
- Vlaška Kanal. Oil
Terminal. Breakwater. Head
43 01-78 N 17 25.29 E
Fl R 3s 9 3 Red tower fl 0·5
R235°-063°(188°)

E3499-5
- Vlaška Kanal. Oil
Terminal. N Side
43 02-02 N 17 25·87 E
Fl R 3s 6 3 Red tower on pedestal
4
R238°-055°(177°)

E3632-7
- Fishing Harbour. Outer
Breakwater. NE End
34 42·81 N 10 46·31 E
Iso R 6s 4 10 Red tower TE 2016

E3685-5
- Sousse. Épi Sud. Head
35 49·49 N 10 38·87 E
Fl R 5s 10 8 Red truncated conical tower

E6624-7
Port de Sidi Fredj. N Port
36 45·79 N 2 51·00 E
Fl G 5s 4 6 White round column
10 TE 2016

E6628-5
Port de Bouharoun (Bou
36 37·60 N 2 39·28 E
Fl G 2s . . . . . . fl 0·5
Aroun). Cale de Halge
TE 2016

E6656
Nadji
36 26·57 N 0 56·35 E
Fl(3)W 15s 60 30 Yellow square tower
29
In operation (T) 2016

E6664-95
- E Detached Breakwater. W
35 49·08 N 0 13·97 W
Fl(3)R 12s 10 6 Mast
3
Head
TE 2016

E6695-2
- Môle Ibn Tofail
35 42·58 N 0 39·19 W
Oc R 4s 9 7 Red round column
7
ec 1

E6720
Port de Ghazaouet. Main
35 05·87 N 1 52·39 W
Fl(3)W 15s 93 26 Brown round tower
15
(0·5, ec 2·5) x 2, fl 0·5, ec 8·5.
Obscured by Plateau de Touent when
bearing more than 237° .
TE 2016
GULF OF KHAMBHĀT

**F0491 Remove from list; deleted**

**F0668-5 Kāsaragod**

12 30-30 N 74 58-50 E  Fl(3)W 20s 38  **20** White 8-sided concrete tower, black bands 30

* * * * * AIS * * * * MMSI No 004192240

**F0692 Ponnānī**

10 46-50 N 75 55-30 E  Fl W 15s 34  **20** White round concrete tower, black bands 30

* * * * * AIS * * * * MMSI No 004192243

**F0694-5 Azhikod**

10 12-19 N 76 09-46 E  Fl(3)W 20s 34  **19** White square concrete tower, black bands 34

* * * * * Racon * * * * ALRS Vol 2 Station 79075

**F0724 Muttam Point**

8 07-45 N 77 19-00 E  Fl W 5s 43  **23** White 6-sided masonry tower, black bands 20

* * * * * Racon * * * * ALRS Vol 2 Station 79095, TD 2016

**F0914-53 Karaikal Port. S Breakwater**

10 50-22 N 79 51-62 E  Fl R 5s 9  **5** Concrete structure

* * * * *

**F0914-531 Karaikal Port. N Breakwater**

10 50-49 N 79 51-62 E  Fl G 5s 9  **5** Concrete structure

* * * * *

**F0914-55 Remove from list; deleted**

**F1205 - Port Blair. North Point**

11 42-28 N 92 45-29 E  Fl(2)W 12s 72  **20** White round metal tower, red diagonal stripes 35

* * * * * Racon * * * * ALRS Vol 2 Station 79570

---

**J0356 - Hull Gut Channel, Windmill Point. WP**

42 18-18 N 70 55-32 W  Q W 6  **6** Red and white chequered on grey framework tower

* * * * * Horn(1) 10s

**J2093-8 - No 12**

38 21-24 N 76 29-23 W  Fl R 4s 5  **4** Red △ on pile

* * * * * * * * * *

<table>
<thead>
<tr>
<th>J2403-53</th>
<th>- No 34</th>
<th>35 14-65 N 75 42-74 W</th>
<th>Fl R 4s</th>
<th>5 3 Red △ on pile</th>
</tr>
</thead>
<tbody>
<tr>
<td>US, II, 28830</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>US, IV, 22535</td>
<td></td>
<td></td>
<td></td>
<td>Intens on range line only</td>
</tr>
</tbody>
</table>

** BAHÍA DE POZUELOS. BAHÍA BERGANTÍN
Remove from list; deleted

** BAHÍA DE POZUELOS. BAHÍA BERGANTÍN
Remove from list; deleted

** BAHÍA DE POZUELOS. BAHÍA BERGANTÍN
Remove from list; deleted

** BAHÍA DE POZUELOS. BAHÍA BERGANTÍN
Remove from list; deleted

** BAHÍA DE POZUELOS. BAHÍA BERGANTÍN
Remove from list; deleted


<table>
<thead>
<tr>
<th>K1692-4</th>
<th>- Double Islet. N islet</th>
<th>20 44-14 S 115 29-72 E</th>
<th>Fl W 6s</th>
<th>17 5 Metal post</th>
<th>fl 0-6</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>K1766-8</th>
<th>- Arthur Head</th>
<th>32 03-31 S 115 44-21 E</th>
<th>Fl Y 3s</th>
<th>. . . dolphin</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1766-9</td>
<td>- Arthur Head</td>
<td>32 03-31 S 115 44-24 E</td>
<td>Fl Y 3s</td>
<td>. . . dolphin</td>
</tr>
<tr>
<td>K2196-4</td>
<td>- Lonsdale Bay. Middle</td>
<td>38 16-87 S 144 37-74 E</td>
<td>Fl Y 5s</td>
<td>. . . Yellow × on yellow beacon</td>
</tr>
<tr>
<td>K2307-5</td>
<td>- PORT PHILLIP. CORIO BAY</td>
<td>38 05-76 S 144 24-77 E</td>
<td>Q R</td>
<td>. . . Red □ on red pile</td>
</tr>
<tr>
<td>K2357-2</td>
<td>- Swinging Basin. No 81</td>
<td>37 51-06 S 144 54-75 E</td>
<td>Fl G 5s</td>
<td>. . . Green △ on green beacon</td>
</tr>
<tr>
<td>K2540</td>
<td>Shoal Inlet. Entrance. E Side</td>
<td>38 40-48 S 146 50-12 E</td>
<td>Fl W 2s</td>
<td>9 6 Metal tower</td>
</tr>
</tbody>
</table>

5.7 Wk40/16

K2631-5 - Dolls Point, N Side
34 00·21 S
151 08·52 E

---

K3328-401 - Fishermans Wharf
12 27·56 S
130 51·06 E

---

K3424 - DYKE ACKLAND BAY
- Oro Bay, Ldg Lts 240°
8 54·19 S
148 26·38 E

---

K3426 - DYKE ACKLAND BAY
- Spear Island
8 59·51 S
149 08·28 E

---

K3451-1 - Milne Bay, Nuakata Passage
- Hibwa S
10 14·82 S
150 59·75 E

---

K3498 - Bismarck Archipelago, New Britain, Gazelle Peninsula
- Simpson Harbour, Rabaul.
4 11·94 S
152 10·12 E

---

K4066-3 - Porirua Harbour, Goat Point, Mana
41 05·33 S
174 52·00 E

---

K4075 - Cook Strait, Western Approaches
Remove from list; deleted

---

K4883-5 - Buka Passage
5 24·39 S
154 42·69 E

---


L0005 - Utvær
61 02·24 N
4 30·59 E

---

Wk40/16

5.8
<table>
<thead>
<tr>
<th>NO.</th>
<th>SW Side.</th>
<th>Ysteviknes</th>
<th>Lat</th>
<th>Long</th>
<th>Fl WRG</th>
<th>W7-7</th>
<th>Framework tower fl 0-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>261500</td>
<td>61 38-40 N</td>
<td>4 46-71 E</td>
<td>18</td>
<td>R5-7</td>
<td>G5-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>266000</td>
<td>61 41-83 N</td>
<td>4 49-88 E</td>
<td>39</td>
<td>W15</td>
<td>R12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>309200</td>
<td>62 16-00 N</td>
<td>5 28-41 E</td>
<td>9</td>
<td>W5-3</td>
<td>R3-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>312500</td>
<td>62 18-94 N</td>
<td>5 34-94 E</td>
<td>16</td>
<td>W15</td>
<td>R12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>338700</td>
<td>62 29-40 N</td>
<td>5 58-04 E</td>
<td>35</td>
<td>W15</td>
<td>R12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>401604</td>
<td>63 12-00 N</td>
<td>7 57-12 E</td>
<td>6</td>
<td>2-9</td>
<td>Post</td>
<td></td>
<td></td>
</tr>
<tr>
<td>405701</td>
<td>63 24-99 N</td>
<td>8 43-03 E</td>
<td>5</td>
<td>1-2</td>
<td>Post</td>
<td></td>
<td></td>
</tr>
<tr>
<td>474510</td>
<td>63 47-37 N</td>
<td>9 26-19 E</td>
<td>6</td>
<td>3</td>
<td>Post</td>
<td></td>
<td></td>
</tr>
<tr>
<td>506405</td>
<td>64 29-14 N</td>
<td>10 43-89 E</td>
<td>4</td>
<td>1</td>
<td>Metal post</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Continued. **
### FOLLA (FOLDA). FLATANGERLEIA

**L1740-1**
Remove from list; deleted

| NO., 561211 | 64 56-56 N | 4 | 1-5 Post | Floodlit |
| | | | | * |

VISTENFIORD

| NO., 609500 | 65 42-04 N | 9 | W 8 | . . |
| **L2145** | - Aunholmen. S Point | 12 37-43 E | Iso WRG 6s | R 6 |
| | | | | G 5 |

VISTENFJORD

| NO., 752500 | 68 09-47 N | 22 | W14 | White metal tower |
| **L2896** | Vestfjorden. Moholmen | 14 24-37 E | Oc(2)WRG 8s | R11 |
| | | | | G11 |

**L3211**
-Nordvoren. Prestfjorden

| NO., 814002 | 68 58-84 N | 11 | 3-2 Metal post |
| | 14 56-74 E | | |

**L3233-8**
-Indre Skavdalsbien

| NO., 814205 | 69 08-75 N | 7 | 3 Post |
| | 15 38-78 E | | |

**L7186**
-Ostrov Timanets. South-eastward. No 2 Ldg Lts 088-6°. Front

| RU, 2103, 1336 | 67 41-90 N | 11 | 5 White ċ, black stripe, on 4-sided truncated pyramid |
| | 48 44-80 E | | 9 |

**L7186-1**
-Ostrov Timanets. South-eastward. No 2 Ldg Lts 088-6°. Rear. 90m from front

| RU, 2103, 1337 | 67 41-90 N | 13 | 5 White ċ, black stripe on 4-sided truncated pyramid |
| | 48 44-93 E | | 12 |

**L7250**
-Shvedskiy. Ldg Lts 183-1°. Front

| RU, 2103, 1540 | 68 35-37 N | 11 | 13 White Ĉ, black stripe on 4-sided truncated pyramid |
| | 55 48-84 E | | 10 |

---

* TE 2016
* Wk40/16
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>M4225-3</strong>&lt;br&gt; KR, 410, 3011-1&lt;br&gt; - Seungseo&lt;br&gt; 34 43-79 N 125 26-64 E&lt;br&gt; Fl(2)W 5s 17 8 Black ( \frac{3}{4} ) on black 4-sided beacon, red band 21*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>N5425-6</strong>&lt;br&gt; RU, 2217, 3800&lt;br&gt; - Port Kavkaz, W Mole. Head (RU)&lt;br&gt; 45 20-49 N 36 39-95 E&lt;br&gt; Fl G 3s 10 2 Green metal column, white band, on concrete base 5&lt;br&gt; TE 2016</td>
</tr>
<tr>
<td><strong>N5654</strong>&lt;br&gt; RU, 2217, 2075&lt;br&gt; - Nefryanaya&lt;br&gt; Gavan''sheshkaris. Pier. Head&lt;br&gt; 44 42-57 N 37 50-24 E&lt;br&gt; Iso G 4s 10 2 White round metal column 5&lt;br&gt; * * * * *</td>
</tr>
<tr>
<td><strong>N5669</strong>&lt;br&gt; RU, 2217, 2265&lt;br&gt; - Kovsha&lt;br&gt; 44 05-56 N 39 04-49 E&lt;br&gt; Fl Y 5s 5 1 Red 4-sided truncated metal framework tower on grey concrete block 3&lt;br&gt; TE 2016</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P3327-3</strong>&lt;br&gt; CN, G103, 4836&lt;br&gt; - Jialing, Shuiwei Jiao&lt;br&gt; 20 24-02 N 109 50-82 E&lt;br&gt; Fl W 4s 18 8 White round stone masonry pile 18&lt;br&gt; FL 0-3&lt;br&gt; * * * * *</td>
</tr>
<tr>
<td><strong>P3327-4</strong>&lt;br&gt; CN, G103, 4835-5&lt;br&gt; - Jialing, Shuiwei Cun. N Breakwater. Head&lt;br&gt; 20 23-66 N 109 51-98 E&lt;br&gt; Q R 7 4 Red metal post 8&lt;br&gt; FL 0-3&lt;br&gt; * * * * *</td>
</tr>
<tr>
<td><strong>P3327-41</strong>&lt;br&gt; CN, G103, 4835-51&lt;br&gt; - Jialing, Shuiwei Cun. S Breakwater. Head&lt;br&gt; 20 23-63 N 109 52-00 E&lt;br&gt; Q G 7 4 Green metal post 7&lt;br&gt; FL 0-3&lt;br&gt; * * * * *</td>
</tr>
<tr>
<td><strong>P3357-75</strong>&lt;br&gt; CN, G103, 4881&lt;br&gt; - Xindiao Dao. Houhai&lt;br&gt; 20 38-52 N 110 27-95 E&lt;br&gt; Q W 30 8 White metal post 16&lt;br&gt; FL 0-3&lt;br&gt; * * * * *</td>
</tr>
<tr>
<td><strong>P3357-78</strong>&lt;br&gt; CN, G103, 4802&lt;br&gt; - Xindiao Dao. Xiaoliaozi&lt;br&gt; 20 37-17 N 110 29-07 E&lt;br&gt; Q W 11 4 Red post 8&lt;br&gt; FL 0-3&lt;br&gt; * * * * *</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Lat</th>
<th>Lng</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3357-82</td>
<td>Baimao Tang</td>
<td>20 33-70 N</td>
<td>110 29-24 E</td>
<td>White metal post</td>
<td>12</td>
</tr>
<tr>
<td>P3357-85</td>
<td>Xiagang</td>
<td>20 30-38 N</td>
<td>110 31-04 E</td>
<td>Red post</td>
<td>11</td>
</tr>
<tr>
<td>P3357-88</td>
<td>Chelu Men</td>
<td>20 29-10 N</td>
<td>110 31-68 E</td>
<td>White metal post</td>
<td>11</td>
</tr>
<tr>
<td>P3357-9</td>
<td>Da Pai</td>
<td>20 29-55 N</td>
<td>110 32-55 E</td>
<td>White brick tower</td>
<td>16</td>
</tr>
</tbody>
</table>

WEITOU WAN AND APPROACHES

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Lat</th>
<th>Lng</th>
<th>Type and Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3620-18</td>
<td>Weitou No 2</td>
<td>24 30-91 N</td>
<td>118 33-34 E</td>
<td>White concrete tower, red bands</td>
</tr>
</tbody>
</table>
The **Admiralty List of Radio Signals diagrams** included in the paper version of the weekly Notice to Mariners (Section VI) are printed in black and white. If required, a colour version of these diagrams can be downloaded from www.ukho.gov.uk/msi.

To obtain the colour versions select **View and download NMs** – select **Weekly** – select **Year** – select **Week** – go to **Selected Week Content** – select **File** (for example: NP286(3)–WK01–14–PAGE149_Week01_2016.pdf)

**VOLUME 2, NP282, 2016/17**

(Last Updates: Weekly Edition No. 39 dated 29 September 2016)

**RADAR BEACONS**

**PAGE 120, ARGENTINA.**
93190 Rio Parana Lt Bn.
Delete entry

*Argentine Notice 9/122/16 (RSDRA2016000210880) 40/16*

**AUTOMATIC IDENTIFICATION SYSTEM (AIS)**

**PAGE 170, CHINA, above Luyu Jiao Lt Bn.**
Insert:

<table>
<thead>
<tr>
<th>Lúsi Lt Buoy No 28</th>
<th>32°10′02″N 121°31′74″E</th>
<th>999412173</th>
<th>Broadcasts every 3 minutes</th>
<th>Real</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lúsi Lt Buoy No 31</td>
<td>32°08′55″N 121°30′48″E</td>
<td>999412174</td>
<td>Broadcasts every 3 minutes</td>
<td>Real</td>
</tr>
</tbody>
</table>

*Chinese Notice 36/1627/16 (RSDRA2016000216424) 40/16*

**PAGE 176, CHINA.**
Sheyang Nanqu Lt Buoy No H4.
Delete entry

*Chinese Notice 36/1626/16 (RSDRA2016000216424) 40/16*

**PAGE 302, VIETNAM, below Vung Tau Buoy KA4.**
Insert:

<table>
<thead>
<tr>
<th>Vung Tau Lt Buoy No 0</th>
<th>10°16′34″N 107°05′04″E</th>
<th>995741002</th>
<th>Real</th>
</tr>
</thead>
</table>

*Vietnamese Notice 118/16 (RSDRA2015000144048) 40/16*
VOLUME 6, PART 1, NP 286(1), 2016/17
Published Wk 16/16

(Volume 6, Part 3, NP 286(3), 2016/17
Published Wk 26/16

(Last Updates: Weekly Edition No. 38 dated 22 September 2016)

PAGE 297, UNITED KINGDOM, GREAT YARMOUTH, Pilots, AREA, section (1).
Delete and replace by:

(1) The Port of Great Yarmouth Compulsory Pilotage Area covers the waters within the whole area of the port limits.

Peel Ports Ltd, (RSDRA2016000202589), 40/16

PAGE 297, UNITED KINGDOM, GREAT YARMOUTH, Pilots, PROCEDURE, section (7) (c).
Delete and replace by:

(c) Great Yarmouth River Port: 52°34'30"N 1°45'07"E

Peel Ports Ltd, (RSDRA2016000202589), 40/16

PAGE 298, UNITED KINGDOM, GREAT YARMOUTH, diagram GREAT YARMOUTH LOCAL PORT SERVICE.
Delete and replace by diagram on page 6.5

Peel Ports Ltd, (RSDRA2016000202589), 40/16

DESCRIPTION:
The Savona VTS provides the following services:

(1) Information Service
(2) Traﬃc Organisation Service
(3) Navigational Assistance Service (on request)

CONTACT DETAILS:
Call: VTS Savona
VHF Channel: Ch 16; 71
Telephone: +39 019 856666
Fax: +39 019 856498
E-mail: so.cpsavona@mit.gov.it

cpsavona@mit.gov.it

Control Centre
Telephone: +39 019 806476

HOURS: H24

PROCEDURE:
(1) Participation in the VTS is mandatory for all vessels of 300 gt and over.
(2) Participation in the VTS is optional for the following:
(a) Warships
(b) Naval auxiliary vessels and other vessels owned or operated by the state and used for non-commercial public service
(c) Fishing vessels less than 45m LOA
(d) Traditional vessels and recreational craft less than 45m LOA
(3) Reporting: Vessels should report to Savona Traffic on VHF Ch 71 as follows:
(a) Entering the VTS area, stating:

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Vessel’s name, flag, call sign and IMO No</td>
</tr>
<tr>
<td>B</td>
<td>Time of expected entry into the VTS area</td>
</tr>
<tr>
<td>C</td>
<td>Position</td>
</tr>
<tr>
<td>E</td>
<td>True course</td>
</tr>
<tr>
<td>F</td>
<td>Speed</td>
</tr>
<tr>
<td>G</td>
<td>Port of origin and time of departure</td>
</tr>
<tr>
<td>I</td>
<td>Port of destination and ETA</td>
</tr>
</tbody>
</table>

VI

PAGE 211, 213, 214 and 215, ITALY, SAVONA, including Vado Ligure, Pilots and Vessel Traffic Service.
Delete and replace by:

Pilots

AREA:
The compulsory pilotage area comprises the water area between the coast and the following points:
(1) Capo di Vado Lt (44°15'49"N 8°27'00"E)
(2) 1 n mile ESE from the Savona Breakwater Lt (44°18'28"N 8°30'24"E)
(3) Capo d’Albisola (44°19'42"N 8°31'56"E)

CONTACT DETAILS:
Call: Piloti Savona
VHF Channel: Ch 13
Telephone: +39 019 821025
Fax: +39 019 821128
E-mail: piloti@portosavona.it

HOURS: H24

PROCEDURE:
(1) Pilotage is compulsory for all vessels entering, exiting and manoeuvring within the port except for the following:
(a) Warships
(b) Fishing vessels
(c) Tugs
(d) Vessels engaged in local traffic and working within the port
(e) Vessels less than 500 gt
(2) Pilotage by VHF is available for vessels of less than 2000 gt provided the on-board command possesses sufficient knowledge of Italian.
(3) Pilotage by VHF is also available for the following vessels only at the time of departure and not using tugs, if the Master possesses sufficient knowledge of Italian:
(a) Ferries under 30 000 gt and less than 180m LOA carrying out regular services
(b) Vessels under 15 000 gt carrying out regular services
(c) High speed vessels less than 5000 gt carrying out daily services
(4) Vessels are required to contact the pilots 60 mins prior to arrival to conﬁrm ETA at the pilot boarding position.
(5) Pilot boards 1 n mile off the compulsory pilotage area.

Vessel Traffic Service

AREA:
(1) The Savona VTS area is bounded by lines joining the following positions:
   (a) 44°21'70"N 8°36'00"E
   (b) 44°04'80"N 8°50'50"E
   (c) 43°55'50"N 8°37'50"E
   (d) 43°39'50"N 8°24'00"E
   (e) 43°38'00"N 8°07'00"E
   (f) 43°43'00"N 7°50'50"E
   (g) 43°57'00"N 8°10'70"E
   (h) Capo di Santa Croce
      (i) 44°07'00"N 8°18'30"E
      (j) 44°10'70"N 8°25'00"E
      (k) Capo di Vado
      (l) 44°16'50"N 8°26'40"E
(2) A precautionary area of radius 5 n miles centred on the Nuovo Molo Frangiflutti Lt (44°18'89"N 8°30'29"E) has been established, within which all vessels must navigate with caution.

DESCRIPTION:
The Savona VTS provides the following services:

(1) Information Service
(2) Traffic Organisation Service
(3) Navigational Assistance Service (on request)

PAGE 6.2

VI
(b) Entering the precautionary area, stating:

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Quality and quantity of cargo, stating IMDG Code/UN No if dangerous cargo, bunkers on board</td>
</tr>
<tr>
<td>Q</td>
<td>Any deficiencies or limitations</td>
</tr>
<tr>
<td>U</td>
<td>Type and size of vessel (in gt)</td>
</tr>
<tr>
<td>X</td>
<td>Possible sighting of cetaceans</td>
</tr>
</tbody>
</table>

(c) When anchoring or weighing anchor:

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Vessel’s name, flag, call sign and IMO No</td>
</tr>
<tr>
<td>B</td>
<td>Time of anchoring/weighing anchor</td>
</tr>
<tr>
<td>C</td>
<td>Anchor position</td>
</tr>
<tr>
<td>P</td>
<td>Quality and quantity of cargo, stating IMDG Code/UN No if dangerous cargo, bunkers on board</td>
</tr>
</tbody>
</table>

(d) On arrival in port:

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Vessel’s name, flag, call sign and IMO No</td>
</tr>
<tr>
<td>B</td>
<td>Time of arrival</td>
</tr>
</tbody>
</table>

(e) 1h prior to departure:

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>ETD and port of destination</td>
</tr>
</tbody>
</table>

(f) On departure from port:

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Vessel’s name, flag, call sign and IMO No</td>
</tr>
<tr>
<td>I</td>
<td>Port of destination</td>
</tr>
<tr>
<td>K</td>
<td>Time of weighing anchor</td>
</tr>
<tr>
<td>P</td>
<td>Quality and quantity of cargo, stating IMDG Code/UN No if dangerous cargo, bunkers on board</td>
</tr>
<tr>
<td>U</td>
<td>Type and size of vessel (in gt)</td>
</tr>
<tr>
<td>X</td>
<td>Possible sighting of cetaceans</td>
</tr>
</tbody>
</table>

(g) When embarking/disembarking Pilot (by the Duty Pilot):

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Vessel’s name, flag, call sign and IMO No</td>
</tr>
<tr>
<td>B</td>
<td>Time of embarking or disembarking Pilot</td>
</tr>
</tbody>
</table>

(h) On exiting the VTS area:

<table>
<thead>
<tr>
<th>ID</th>
<th>Information required</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>Time of exiting the VTS area</td>
</tr>
<tr>
<td>I</td>
<td>Port of destination</td>
</tr>
<tr>
<td>X</td>
<td>Any other information</td>
</tr>
</tbody>
</table>

(4) Vessels should maintain a continuous listening watch on VHF Chs 13, 16 and 71 whilst in the roads.

**HIGH SPEED VESSELS:**

(1) High speed ferries and all vessels operating at a speed over 28 knots bound for the Port of Vado Ligure on a true bearing of between 300° and 340° must proceed to the ‘Golf’ point (44°12’50N 8°28’70E).

(2) Such vessels must contact Savona VTS stating the following information:

- (a) Time of the ‘Golf’ point
- (b) ETD and port of destination
- (c) Time of crossing the ‘Golf’ point
- (d) ETD at the ‘Alfa’ point (44°16’50N 8°28’70E)

**Italian Notice 15/16, (RSDRA2016000186013), 40/16**

**PAGE 212, ITALY, SAVONA, including Vado Ligure, diagram SAVONA VESSEL TRAFFIC SERVICE.**

Delete diagram SAVONA VESSEL TRAFFIC SERVICE and replace by diagram on page 6.6

**Italian Notice 15/16, (RSDRA2016000186013), 40/16**

**VOLUME 6, PART 4, NP 286(4), 2016/17**

Published Wk 40/16

(First Updates to publication Wk 40/16)

The 2015/16 edition is cancelled

**PAGE ii, RECORD OF UPDATES, NEW EDITION, First Updates box.**

Insert:

This edition was published in week 40/16. The first Weekly Notice to Mariners was issued in week 40/16.

**UKHO 40/16**

**PAGE 8, AUSTRALIA, ASHBURTON, Pilots, PROCEDURE, section (5).**

Delete and replace by:

(5) **Pilot boards** in the following positions:

- (a) 21°35’84S 115°00’50E (B)
- (b) 21°28’50S 115°05’00E (Onslow Salt Maritime Export Facility)
- (c) 21°26’20S 115°07’00E (A)

**Australian Notice 18/959/16, (RSDRA2016000216284), 40/16**

**PAGE 114, COOK ISLANDS (New Zealand), AVARUA and AVATIU HARBOURS, RAROTONGA, Pilots, PROCEDURE, section (2).**

Delete and replace by:

(2) **Pilot boards** in the following positions:

- (a) 21°11’12S 159°47’01W (Alpha)
- (b) 21°11’12S 159°46’14W (Bravo)

**New Zealand Notice 16/174/16, (RSDRA2016000191139), 40/16**

**PAGE 150, INDIA, KAMARAJAR (ENNORE), Pilots, PROCEDURE, section (2) (a).**

Delete and replace by:

(a) 13°12’20N 80°23’10E

**Indian Notice 14/138/16, (RSDRA2016000176288), 40/16**
VI

PAGE 171, INDONESIA, ANOA NATUNA MARINE TERMINAL, Natuna Sea, South China Sea, Pilots, PROCEDURE, section (2).
Delete and replace by:

(2) **Mooring Master boards** within the anchorage area, radius 0.75 n miles centred on position 5°09'91N 105°36'58E (to the S of the Restricted Area).

Malaysian ENC MY3C0555 40/16

PAGE 277, PAPUA NEW GUINEA, LAE, Pilots, PROCEDURE, section (2).
Delete and replace by:

(2) **Pilot boards** in position 6°44'85S 147°00'10E.

PNG Ports Corporation, (RSDRA2016000182205), 40/16

VOLUME 6, PART 7, NP 286(7), 2015/16
Published Wk 04/16

(Last Updates: Weekly Edition No. 36 dated 08 September 2016)

PAGE 261, VENEZUELA, PUERTO JOSÉ TERMINAL COMPLEX, Pilots, PROCEDURE, below section (2) (b).
Insert:

(c) 10°08'80N 64°51'48W

ENC VE400408, (RSDRA2016000216422), 40/16

PAGE 262, VENEZUELA, PUERTO LA CRUZ, Pilots, PROCEDURE.
Delete and replace by:

PROCEDURE:
(1) Pilotage is compulsory.
(2) **Pilot boards** in position as agreed with the Port Captain.

ENC VE400408, (RSDRA2016000216422), 40/16
SAVONA
VESSEL TRAFFIC SERVICE

VTS area limits
Precautionary Area
(5 n mile radius)
VII

UPDATES TO MISCELLANEOUS ADMIRALTY NAUTICAL PUBLICATIONS

There are no updates to miscellaneous Nautical Publications this week.
ADMIRALTY DIGITAL PRODUCTS AND SERVICES

1. ENC / ECDIS and AVCS

a) Safety Notice

DISPLAY ANOMALIES IN SOME ECDIS

A number of ECDIS operating anomalies have been identified, including the discovery that some models of some ECDIS equipment might not, under certain circumstances, display all navigationally significant features or activate appropriate alarms. Due to the complex nature of ECDIS, and in particular because it involves a mix of hardware, software and data, it is possible that further anomalies may exist.

The document identified below contains comprehensive explanations of the types of anomalies which might be encountered, along with advice and guidance on remedial action.

All mariners are advised to obtain the following document direct from the IMO web site:


All mariners are also strongly encouraged to use the IHO check dataset which is designed to highlight those ECDIS that are unable to display the IMO approved chart features and those that may show the anomalous display and alarm behaviour. A copy of the IHO check dataset is included as part of the Admiralty Vector Chart Service product to help the mariner.

b) ENCs temporarily withdrawn from AVCS

To review a cumulative list of ENCs temporarily withdrawn from AVCS, please visit the ‘Updates tab at:

https://www.admiralty.co.uk/digital-services/digital-charts/admiralty-vector-chart-service

C1515379 Waglan Island to Xiaoputai Dao withdrawn in week 51/15 due to navigationally significant differences in the depiction of the Dongan Channel and Lantau Channel traffic separation scheme (TSS) and that published in Hong Kong Department Notice 97/2015, Hong Kong NM 33/2015 and Chinese NM Week 32/2015. Full chart coverage of the area is available from other ENCs in AVCS and ADMIRALTY paper charts.

c) ENC Readme.txt file

The README.TXT file located within the ENC_ROOT folder on the latest ENC Base and Update discs contains important safety related information relating to the use of ENCENCs in ECDIS.

This file is updated on a regular basis and should be consulted to ensure that all related issues are taken into consideration.

The latest updates to the README file are:

Week 37/16.

15/09/16 RECOMMENDED TRACK IN CONGO RIVER AFFECTING GB400657.001

The full text of the latest README.TXT file is available at:

https://www.admiralty.co.uk/AdmiraltyDownloadMedia/AVCS/README.txt

d) T&P Notices to Mariners in ENCENCs

The use of temporary & preliminary Notices to Mariners (T&P NM) information is considered an essential part of keeping navigational charts up to date.

The latest confirmed status of T&P NM information in the ENCENCs that are available in Admiralty services is shown in the ENC-T&P-NM-Status.pdf file in the INFO folder on the service media and at: www.admiralty.co.uk/ENC-TP-NMs
ADMIRALTY Products Supporting Digital Navigation

i. ADMIRALTY ENC Maintenance Record, NP133C (V1.1). This publication is designed to hold paper records on ENC and ECDIS maintenance to assist information management and support inspections. Completed example templates are now available in V1.1. If you already own a copy of this publication please contact your ADMIRALTY Chart Agent for a copy of the templates. Please note that both V1.0 and V1.1 are current editions.


iii. ADMIRALTY Guide to the Practical Use of ENCs, NP231. (2nd Edition) Supports ECDIS training on the interpretation and use of ENC data.


v. ADMIRALTY Port Approach Guides. Information from a range of official ADMIRALTY charts and publications on one chart, helping bridge crews to plan for particular approaches and to support Master Pilot Exchange. Expanding coverage of some of the world’s most complex approaches, including Antwerp, Rotterdam and the Panama Canal. More information is available at http://www.admiralty.co.uk/port-approach-guides

2. ADMIRALTY Digital Publications

ADMIRALTY Digital Publications (ADP) are computer-based versions of the UKHO’s market-leading paper-based nautical reference guides – ADMIRALTY Nautical Publications. They contain the same information as their paper equivalents, and are widely accepted as meeting SOLAS carriage requirements. Information on which flag States have accepted ADP as meeting SOLAS carriage requirements is available at: https://www.admiralty.co.uk/flag-state-approval

Availability of ADP V16

ADP V16 is available on the standalone software disk and on the ADP Weekly Update DVD.

The ADP V16 DVD should automatically uninstall the previous edition, auto install the new edition and work with existing licence keys. After installing the new version, the first update should be applied using the latest ADP Update DVD to minimise the update download size. This should be supplied by your ADMIRALTY Chart Agent.

UKHO only supports ADP V15.0 onwards. Users of older versions of the software must upgrade as soon as possible.

If you experience any problems receiving or installing the software upgrade, please contact your ADMIRALTY Chart Agent in the first instance.

For information:
Please ensure that Activation Key Requests for ADP are sent to ADPMailGateway@ukho.gov.uk and any Update Data Requests are sent to ADPMailGateway@ukho.gov.uk

ADMIRALTY TotalTide

German Tidal Stations predicted on LAT

The TotalTide application in ADMIRALTY Digital Publications (ADP) computes predictions for all German tidal stations based on Lowest Astronomical Tide (LAT).

Mariners using charts which refer to Mean Low Water Springs (MLWS) in German waters must deduct 0.5m from all predicted tidal heights for these ports before applying them to the depths on those charts in order to determine the correct predicted depth of water. This advice will also be contained in the Notes Tab on the Prediction Windows in TotalTide for each of the above German tidal stations.
3. **ADIMIRALTY e-Nautical Publications (e-NPs)**

ADIMIRALTY e-NPs are digital versions of ADIMIRALTY Nautical Publications. They allow users to apply NM updates faster and with greater accuracy. The following e-NPs are currently available:

- All 75 Sailing Directions
- The Mariners Handbook
- The Nautical Almanac
- Ocean Passages for the World
- Annual Summary of Notices to Mariners Part 1
- Annual Summary of Notices to Mariners Part 2
- ADIMIRALTY Guide to the Practical Use of ENCs
- Cumulative list of ADIMIRALTY Notice to Mariners January
- Cumulative list of ADIMIRALTY Notice to Mariners June
- How to Keep Your ADIMIRALTY Products Up-to-Date
- IALA Maritime Buoyage System
- ADIMIRALTY Guide to ECDIS implementation, Policy and Procedures.
- Symbols and Abbreviations Used on Admiralty Paper Charts
- ADMIRALTY Guide to ENC Symbols used in ECDIS

**Availability of e-NP v4.1**

e-NP v4.1 is available on the quarterly ADIMIRALTY gateway DVD from week 27/16.

A new version of the ADIMIRALTY e-NP Reader (v4.1) has been released. Benefits for vessels upgrading to v4.1 include:

- Improved registration process
- Ability to purchase and renew e-NPs from within the application
- Geographic bookshelf and catalogue screens
- Improved reader view
- Data downloads resume after loss of connection, reducing transmission sizes
- Integration with other ADIMIRALTY digital products

The UKHO only supports e-NP v1.2 onwards. Users of older versions of the software must upgrade as soon as possible.

4. **ADIMIRALTY e-Navigator Planning Station**

**Availability of e-Navigator Planning Station v4.1**

e-Navigator Planning Station v4.1 is available on the quarterly ADIMIRALTY gateway DVD from week 27/16.

A new version of ADIMIRALTY e-Navigator Planning Station (v4.1) has been released. Benefits for vessels upgrading to v4.1 include:

- Improved registration process
- Makes it easier to stay compliant
- Reduces errors
- Makes everyday tasks more efficient, such as updating your ECDIS
- View your digital products all on one geographic display

ADIMIRALTY e-Navigator Planning Station provides vessels with the ability to plan voyages, order products, download chart data and view digital charts and publications from their back of bridge computer. e-Navigator Planning Station is available free of charge from your ADIMIRALTY Chart Agent.

The UKHO only supports e-Navigator Planning Station v3.3 onwards. Users of older versions of the software must upgrade as soon as possible.

5. **ADIMIRALTY Passage Planner**

**Availability of Passage Planner v4.1**

ADIMIRALTY Passage Planner v4.1 is available on the quarterly ADIMIRALTY gateway DVD from week 27/16.

- Time saving over manual alternatives
- Minimises data-entry errors and re-work
- Squat calculations approved by industry authority, Dr C B Barrass
- Promotes consistency across fleet vessels

<table>
<thead>
<tr>
<th>Product</th>
<th>Last issue date/Week</th>
<th>Reissue Date/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>i. Admiralty Vector Chart Service (AVCS) and ECDIS Base CD</td>
<td>18 August 2016 - 33</td>
<td>13 October 2016 - 41</td>
</tr>
<tr>
<td>ii. Admiralty Information Overlay (AIO) CD which contains both the base data and the latest updates</td>
<td>22 September 2016 - 38</td>
<td></td>
</tr>
<tr>
<td>iii. Admiralty Raster Chart Service (ARCS) Regional disc 1</td>
<td>4 August 2016 - 31</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 2</td>
<td>29 September 2016 – 39</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 3</td>
<td>15 September 2016 - 37</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 4</td>
<td>21 July 2016 - 29</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 5</td>
<td>16 June 2016 - 24</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 6</td>
<td>2 June 2016 - 22</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 7</td>
<td>15 September 2016 - 37</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 8</td>
<td>15 September 2016 - 37</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 9</td>
<td>25 August 2016 - 34</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 10</td>
<td>15 September 2016 - 37</td>
<td></td>
</tr>
<tr>
<td>Admiralty Raster Chart Service (ARCS) Regional disc 11</td>
<td>14 May 2015 – 20 includes Routeing Charts</td>
<td>20 October 2016 - 42</td>
</tr>
</tbody>
</table>

7. Supported ADMIRALTY Software Versions

<table>
<thead>
<tr>
<th>Product</th>
<th>Supported Versions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADP</td>
<td>15, 15.1, 16.0</td>
</tr>
<tr>
<td>eNP Reader</td>
<td>1.2, 1.3, 4.1</td>
</tr>
<tr>
<td>e-Navigator Planning Station</td>
<td>3.3, 3.4, 4.1</td>
</tr>
<tr>
<td>Passage Planner</td>
<td>4.1</td>
</tr>
</tbody>
</table>

If you are using an older version which is not supported, you should contact your Chart Agent to upgrade to the latest version as soon as possible.
<table>
<thead>
<tr>
<th>NAME OF PORT</th>
<th>APPROXIMATE POSITION</th>
<th>GENERAL REMARKS</th>
</tr>
</thead>
</table>
|              | Latitude | Longitude | Principal activities and trade.  
|              |          |            | Latest population figures and date.  
|              |          |            | Number of ships or tonnage handled per year.  
|              |          |            | Maximum size of vessel handled.  
|              |          |            | Copy of Port Handbook *(if available)*.  
|              |          |            | ANCHORAGES  
|              |          |            | Designation, depths, holding ground, shelter afforded.  
|              |          |            | PILOTAGE  
|              |          |            | Authority for requests.  
|              |          |            | Embark position.  
|              |          |            | Regulations.  
|              |          |            | DIRECTIONS  
|              |          |            | Entry and berthing information.  
|              |          |            | Tidal streams.  
|              |          |            | Navigational aids.  
|              |          |            | TUGS  
|              |          |            | Number available.  
|              |          |            | WHARVES  
|              |          |            | Names, numbers or positions & lengths.  
|              |          |            | Depths alongside.  
|              |          |            | CARGO HANDLING  
|              |          |            | Containers, lighters, Ro-Ro etc.  
|              |          |            | REPAIRS  
|              |          |            | Hull, machinery and underwater.  
|              |          |            | Shipyards.  
|              |          |            | Docking or slipping facilities.  
|              |          |            | *(Give size of vessels handled or dimensions)*  
|              |          |            | Divers.  
<p>| | | |
|              |          |            |</p>
<table>
<thead>
<tr>
<th>RESCUE AND DISTRESS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Salvage, Lifeboat, Coastguard, etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SUPPLIES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel. (with type, quantities and methods of delivery)</td>
<td></td>
</tr>
<tr>
<td>Fresh water. (with method of delivery and rate of supply)</td>
<td></td>
</tr>
<tr>
<td>Provisions</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SERVICES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical</td>
<td></td>
</tr>
<tr>
<td>Ship Sanitation</td>
<td></td>
</tr>
<tr>
<td>Garbage and slops</td>
<td></td>
</tr>
<tr>
<td>Ship chandlery, tank cleaning, compass adjustment, hull painting</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMMUNICATIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Nearest airport or airfield</td>
<td></td>
</tr>
<tr>
<td>Port radio and information service. (with frequencies and hours of operating)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PORT AUTHORITY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation, address, telephone, e-mail address and website</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VIEWS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADDITIONAL DETAILS</th>
<th></th>
</tr>
</thead>
</table>

**NOTES:**

1. Form H.102A lists the information required for ADMIRALTY Sailing Directions and has been designed to help the sender and the recipient. The sections should be used as an aide-memoir, being used or followed closely, whenever appropriate. Where there is insufficient space on the form an additional sheet should be used.

2. **Reports which cannot be confirmed or are lacking in certain details should not be withheld.** Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.
<table>
<thead>
<tr>
<th>Time/Date of Observation</th>
<th>Chart/ENC in use (SEE NOTE 3a)</th>
<th>Latitude/Longitude of position read from Chart/ECDIS (SEE NOTE 3b)</th>
<th>Latitude/Longitude of position read from GNSS Receiver (on WGS84) (SEE NOTE 3c)</th>
<th>Additional Information/Remarks (SEE NOTE 3d)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NOTES:

1. This form is designed to assist in the reporting of observed differences between WGS84 datum and the geodetic datum of British ADMIRALTY Charts by mariners, including yachtsmen and should be submitted as an accompaniment to Form H.102 (full instructions for the rendering of data are on Form H.102). Where there is insufficient space on the form an additional sheet should be used.

2. **Objective of GNSS Data Collection**

   The UK Hydrographic Office would appreciate the reporting of Global Navigation Satellite Systems (GNSS) positions, referenced to WGS84 datum, at identifiable locations or features on British ADMIRALTY Charts. Such observations could be used to calculate positional shifts between WGS84 datum and the geodetic datum for those British ADMIRALTY Charts which it has not yet been possible to compute the appropriate shifts. These would be incorporated in future new editions or new charts and promulgated by Preliminary Notices to Mariners in the interim.

   It is unrealistic to expect that a series of reported WGS84 positions relating to a given chart will enable it to be referenced to that datum with the accuracy required for geodetic purposes. Nevertheless, this provides adequate accuracy for general navigation, considering the practical limits to the precision of 0.2mm (probably the best possible under ideal conditions – vessel alongside, good light, sharp dividers etc), this represents 10 metres on the ground at a chart scale of 1:50,000.

   It is clear that users prefer to have some indication of the magnitude and direction of the positional shift, together with an assessment of its likely accuracy, rather than be informed that a definitive answer cannot be formulated. Consequently, where a WGS84 version has not yet been produced, many charts now carry approximate shifts relating WGS84 datum to the geodetic datum of the chart. Further observations may enable these values to be refined with greater confidence.

3. **Details required**

   a. It is essential that the chart number, edition date and its correctional state (latest NM) are stated. For ENCs, please state the ENC name and latest update applied.

   b. Position (to 2 decimal places of a minute) of observation point, using chart graticule or, if ungraduated, relative position by bearing/distance from prominent charted features (navigation lights, trig. points, church spires etc.).

   c. Position (to 2 decimal places of a minute) of observation point, using GNSS Receiver. Confirm that GNSS positions are referenced to WGS84 datum.

   d. Include GNSS receiver model and aerial type (if known). Also of interest: values of PDOP, HDOP or GDOP displayed (indications of theoretical quality of position fixing depending upon the distribution of satellites overhead) and any other comments.
INSTRUCTIONS

1. Mariners are requested to notify the United Kingdom Hydrographic Office (UKHO) when new or suspected dangers to navigation are discovered, changes observed in aids to navigation, or corrections to publications are seen to be necessary. Mariners can also report any ENC display issues experienced. The Mariner's Handbook (NP100) Chapter 4 gives general instructions. The provisions of international and national laws should be complied with when forwarding such reports.

2. **Accurate position or knowledge of positional error is of great importance.** Where latitude and longitude have been used to specifically position the details of a report, a full description of the method used to obtain the position should be given. Where possible the position should be fixed by GPS or Astronomical Observations. A full description of the method, equipment, time, estimated error and datum (where applicable) used should be given. Where the position has been recorded from a Smart Phone or Tablet, this is to be specifically mentioned. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two should be used in order to provide a redundancy check. Where position is derived from Electronic Position Fixing (e.g. LORAN C) or distances observed by radar, the raw readings of the system in use should be quoted wherever possible. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

3. **Paper Charts:** A cutting from the largest scale chart is often the best medium for forwarding details, the alterations and additions being shown thereon in red. When requested, a new copy will be sent in replacement of a chart that has been used to forward information, or when extensive observations have involved defacement of the observer's chart. If it is preferred to show the amendments on a tracing of the largest scale chart (rather than on the chart itself) these should be in red as above, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

4. **ENCs:** A screen shot of the largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected ENC should be sent along with details of the ECDIS make, model and age and version in use at the time.

5. When **soundings** are obtained, The Mariner's Handbook (NP100) should where possible be consulted. It is important to ensure that full details of the method of collection are included with the report. This should include but not limited to:
   1. Make, model and type of echo sounder used.
   2. Whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given.
   3. Time, date and time zone should be given in order that corrections for the height of the tide may be made where necessary, or a statement made as to what corrections for tide have already been made.
   4. Where larger amounts of bathymetric data have been gathered, only those areas where a significant difference to the current Chart or ENC should be specifically mentioned on the H102. The full data set may also be sent in, with an additional note added to this effect. If no significant differences are noted, the bathymetric data may still be of use, and sent in accordingly. Where full data sets are included, a note as to the data owner and their willingness for the data to be incorporated into Charts and ENCs included.

6. **For Echo Sounders that use electronic ‘range gating’**, care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set’s nominal range can usually be recognised by the following:
   (a) the trace being weaker than normal for the depth recorded;
   (b) the trace passing through the transmission line;
   (c) the feathery nature of the trace.

   As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from charted depths.

7. **Reports which cannot be confirmed or are lacking in certain details should not be withheld.** Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be mentioned.

8. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner’s discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 30 metres or 15 fathoms may be of sufficient importance to justify a radio message.

9. Changes to Port Information should be forwarded on Form H.102A and any GPS/Chart Datum observations should be forwarded on Form H.102B together with Form H.102. Where there is insufficient space on the forms additional sheets should be used.

10. Reports on ocean currents, magnetic variations and other marine observations should be made in accordance with The Mariner's Handbook (NP100) Chapter 4 with forms also available at www.ukho.gov.uk/msi.

**Note.** An acknowledgement or receipt will be sent and the information then used to the best advantage which may mean immediate action or inclusion in a revision in due course; for these purposes, the UKHO may make reproductions of any material supplied. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless (as sometimes happens) the information is also received from other authorities or the sender states that they do not want to be named by using the appropriate tick box on the form. An explanation of the use made of contributions from all parts of the world would be too great a task and a further communication should only be expected when the information is of outstanding value or has unusual features.
Reporting information affecting Admiralty Products

For new information affecting Admiralty Charts and Publications forward to sdr@ukho.gov.uk
To report issues related to ENCs or their display forward to customerservices@ukho.gov.uk
This form H.102 and instructions are available online at www.ukho.gov.uk/msi

<table>
<thead>
<tr>
<th>Date</th>
<th>Ref. Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of ship or sender</td>
<td></td>
</tr>
<tr>
<td>IMO number if applicable</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>E-mail/Tel/Fax of sender</td>
<td></td>
</tr>
<tr>
<td>General Locality</td>
<td></td>
</tr>
<tr>
<td>Subject</td>
<td></td>
</tr>
<tr>
<td>Position <em>(see Instruction 2)</em></td>
<td>Latitude</td>
</tr>
<tr>
<td></td>
<td>GPS</td>
</tr>
<tr>
<td>Admiralty Charts affected</td>
<td>Edition</td>
</tr>
<tr>
<td>Latest Weekly Edition of Notice to Mariners held</td>
<td></td>
</tr>
<tr>
<td>Replacement copy of Chart No <em>(see Instruction 3)</em></td>
<td>IS / IS NOT required</td>
</tr>
<tr>
<td>ENCs affected</td>
<td></td>
</tr>
<tr>
<td>Latest update disk applied</td>
<td>Week:</td>
</tr>
<tr>
<td>Make, model and or age of ECDIS if applicable</td>
<td></td>
</tr>
<tr>
<td>Publications affected <em>(NP/DP number, Edition No.)</em></td>
<td></td>
</tr>
<tr>
<td>Date of latest supplement/update, page &amp; Light List No. etc</td>
<td></td>
</tr>
<tr>
<td>Details of anomaly / observation:</td>
<td></td>
</tr>
<tr>
<td>Name of observer/reporter</td>
<td></td>
</tr>
<tr>
<td>H.102A Submitted Yes/No</td>
<td></td>
</tr>
<tr>
<td>H.102B Submitted Yes/No</td>
<td></td>
</tr>
</tbody>
</table>

Tick box if not willing to be named as source of this information

Alternatively use our new H Note App located here: www.admiralty.co.uk/apps/h-note